PROJECT	PROJECT	PROJECT TITLE	KEYWORDS	ABSTRACT	PI SURNAME	PI NAME	PI 2 NAME &	RESEARCH	DEPARTMENT	CENTRE	START DATE	END DATE	FUNDING	COUNTRY
211055		SUSTAINABLE TREATMENT OF WASTEWATER BY SALSHES FILTER FINE MESH SIEVES AND BIOLOGICAL PROCESSES		TREATMENT OF MUNICIPAL WASTEWATER. HOWEVER, THE MARKET FOR PRIMARY TREATMENT IS VERY SMALL AND DECREASING. TO OPEN UP A SIGNIFICANTLY LARGER MARKET IT IS NECESSARY TO QUALIPY THE SALSHES FILTER FINE MESH SIEVES FOR USE IN COMBINATION WITH BIOLOGICAL PROCESSES. EITHE PRIMARY OBJECTIVE IS TO DEVELOP FINE MESH SIEVE SYSTEMS FOR PRIMARY AND SECONDARY SOLIDS SEPARATION AT WASTEWATER TREATMENT PLANTS, WITH THE INTENT TO SAVE RESOURCES BY REDUCING THE COST AND ENERGY CONSUMPTION FOR BIOLOGICAL WASTEWATER TREATMENT PLANTS, WITH THE INTENT TO SAVE RESOURCES BY REDUCING THE COST AND ENERGY CONSUMPTION FOR BIOLOGICAL WASTEWATER REATMENT AND MAXIMIZING THE ENERGY RECOVERY FROM THE ORGANIC MATTER IN THE REMOVED SOLIDS. SECONDARY OBEICIVES:A) DOCUMENT THE OPTIMUM PARTICLE REMOVAL IN FRONT OF BIOLOGICAL WARDCESSES, FOR OPTIMUM PARTICLES IN THE WASTEWATER. B) DEVELOP A FINE MESH SIEVE SYSTEM FOR ACHIEVING THE OPTIMUM PARTICLE REMOVAL UNDER SIECONDARY OBECTIVE A) A THELOWEST POSIBLE USE OF RESOURCES. BYSTEM FOR SOLIDS SEPARATION DOWNSTREMA OF BIOFILM PROCESSES, PROVIDING GOOD, ECONOMIC AND ENERGY EFFICIENT SOLIDS REMOVAL IN A	RUSTEN	BJØRN SENIORFORSKE R		SALSNES FILTER AS			30-09-11	30-09-15	RCN	NORWAY
219272		ON-LINE NEAR REAL TIME TOOLS FOR MONITORING WATER QUALITY		THE OBJECTIVE OF THIS PROJECT IS TO IMPROVE WATER QUALITY MONITORING TOOLS IN ORDER TO PROTECT PUBLIC HEALTH AND THE ENVIRONMENT. COLLFAST AS IS A WORLD-LEADER IN DEVELOPMENT AND DELIVERY OF RAPID, AUTOMATED INSTRUMENTS FOR DETECTION OF FAECAL CONTAMINATION IN WATER AND HAS BEEN IN THE MARKET FOR MORE THAN 20 YEARS. THE RAPID METHODS COMBINED WITH EARLY WARNING OPTIONS PROVIDE INFORMATION LONG BEFORE THE TRADITIONAL LABORATORY RESPLITS ARE AVAILABLE. IN ADDITION, THE AUTOMATED ANALYSIS AT SITE WILL REDUCE TIME AND RISK OF ERRORS DURING SAMFLING, TRANSPORTATION AND SAMPLE PREPARATION. THE TWO MARKET ARES THAT WILL BE TARGETED IN THE PROJECT ARE DRINKING WATER AND BALLAST WATER. FOR THE BALLAST WATER MARKET, FORTHCOMING REGULATIONS WILL REQUIRE SHIPPOARD RAPID METHODS TO DETERMINE THE SAFETY OF WATER TO BE RELEASED. BOTH MARKET SARE DRIVEN BY REGULATIONS DEMANDING MORE RAPID, AND IDEALLY REAL TIME ON-LINE TEST CAPABILITIES FOR MICROGRAINSS. THE PARTICIPANTS IN THE PROJECT ARE WELL KNOWN AND RECOGNIZED PARTICIPANTI IN THE DRINKING WATER MARKET. IN ADDITION TO COLFAST, THE RESEARCH INSTITUTION INVA AND THE MORWEGIAN SME VENDOR, PEMAC AS, ARE CONTRIBUTING. THE PROJECT IS ALSO	TRYLAND	INGUN		COLIFAST AS			01-07-12	30-06-15	RCN	NORWAY
208056		SUSTAINABLE SALMON ANGLING TOURISM IN A CHANGING WORLD		THIS PROPOSAL AIMS AT PROVIDING IMPORTANT, NEW KNOWLEDGE ABOUT HOW MARKET SEGMENTS AND ANGLING PRODUCTS ARE AFFECTED AND RESPOND TO RECENT CHANGES IN NORWEGIAN SALMON ANGLING TOURISM. MORE SPECIFICALLY WE WILL ESPECIALLY LOOK INTO HOW CHANGES AFFECT LOCAL ECONOMIES, TYPE AND MAGNITUDE OF SUBSTITUTION PROCESSES AMONG ANGLERS DUE TO RESOURCE AND REGULATORY CHANGES AND THEIR EFFECTS ON RECREATION VALUES, AND ON HOW THE MANY, HIGHLY CONTRASTING DISCOURSES ON NORWEGIAN SALMON AFFECTS BRANDING, IMAGE AND IDENTITY OF NORWEGIAN SALMON ANGLING IN DIFFERENT MARKETS, ICELAND IS A HIGHLY INTERESTING CONTRAST TO NORWAY, WITH RECENTLY VERY GOOD SALMON RETURNS, YET SALMON FISHING TOURISM HAS BEEN STRONGLY AFFECTED BY THE FINANCIAL CRISIS. A MULTIDISCIPLINARY FRAMEWORK FOR ASSESSIG AND ANALYZING THE FINDINGS IS RESILIENCE THEORY, WE AIM AT PROVIDING IMPORTANT CONTRIBUTION TO MARKET COMMUNICATION, INNOVATION AND PRODUCT DE VELOPMENT IN THE COMING YEARS WITH THE GOALO F BUILING A MORE SUSTAINABLE SALMON TOURISM INN NORWAY, THE PROJECT PROPOSAL IS DEVELOPED IN CLOSE COOPRAATION WITH KEY BUSINESS ORGANIZATIONS AND MAAALZING THE FINDINGS.	STENSLAND	STIAN STIPENDIAT			INSTITUTT FOR NATURFORVALT NING		01-10-11	31-12-15	RCN	NORWAY
216416		SURVIVAL, BEHAVIOUR AND WELFARE OF ATLANTIC SALMON AFTER CATCH AND RELEASE		MANY POPULATIONS OF WILD SALMONIDS HAVE DECREASED SIGNIFICANTLY DURING THE LAST DECADES DUE TO ANTHROPOGENIC IMPACTS ACTING BOTH IN RESHWATER AND IN THE SEA. ST THE MENACES THESE FISH SPECIES EXPERIENCE WILL LIKELY CONTINUE TO INCREASE, SALMONID POPULATIONS ARE EXPECTED TO FURTHER DECLINE IN THE FUTURE, UNLESS EFFECTIVE MITIGATIVE ACTIONS ARE IMPOSED. CATCH AND RELEASE (C&R) OF ADULT FISH IS A REQUENTLY USED, BUT ALSO CONTROVERSIAL, MANAGEMENT TOOL AIMED AT MAINTAINING SUSTAINABLE SPAWNING STOCKS. C&R IS FRANCTICED WORLDWIDE AND IT IS IN MOST COUNTRIES REGARDED AS AN ADEQUATE MANAGEMENT TOOL. IN NORWAY, C&R HAS SO FAR NOT BEEN WIDELY USED OR ACCEPTED, MAINLY DUE TO ETHICAL AND WELFARE CONCERNS. ALTHOUGH SOME STUDIES HAVE BEN PERFORMED ON EFFECTS OF C&R IN FARLOCET AIMS TO OBTAIN NEW KNOWLEDGE REGARDING THE EFFECTS OF CATCH AND RELEASE OF SALMON IN RECREATIONAL FISHERES THAT J) WILL IMPROVE THE WAY THIS MANAGEMENT TOOL IS USD, AND 2) IMPLICITY WILL CONTRIBUTE TO MAINTENANCE OF SUSTAINABLE SPAWING STOCKS. CRAR IS FRANCE THE ONTRENANCE OF SUSTAINABLE SPAWINGS TOCKS. MORE SPECIFICALLY THE PROPOSED STUDY WILL INVESTIGATE FFFECTS OF CAR AT HIGH WAY THIS MANAGEMENT TOOL IS USD, AND 2) IMPLICITY WILL CONTRIBUTE TO MAINTENANCE OF SUSTAINABLE SPAWING STOCKS. MORE SPECIFICALLY THE PROPOSED STUDY WILL INVESTATE FFFECTS OF CAR AT HIGH WATER TEMPERATURES AND PERFORMANCE AFTER CRAIL RELAY OF AN ADVERT TO MAINTENANCE OF	THORSTAD	EVA FORSKNINGSDI REKTØR		STIFTELSEN NORSK IINSTITUTT FOR NATURFORSKNI NG NINA			01-01-12	31-12-14	RCN	NORWAY

206084	THE ROLE OF WATER IN HISTORY AND DEVELOPMENT	THE CONFERENCE 'THE AGE OF UNCERTAINTY'. CLIMATE CHANGE, WATER SYSTEMS AND SOCIAL DEVELOPMENT, FEBRUARY 16-18, 2011, BERGEN, WILL BRING TOGETHER LEADING RESEARCHERS FROM DIFFERENT DISCIPLINES AND COUNTRIES TO SJUMMARISE WHAT WE KNOW AND WHAT WE DO NOT KNOW REGARDING 'THE RELATIONSHIP BETWEEN CLIMATE, SOCIAL DEVELOPMENT, AND ENVIRONMENT, WITH A SPECIAL FOCUS ON THE MODERN AGE. THE CONFERENCE WILL ALSO PRESENT RESEARCH INDINGS, ANALYTICAL APPROACHES AND CONCEPTUAL TOOLS THAT ARE OF GENERAL INTEREST AND THAT HAVE BEEN DEVELOPED BY A RESEARCH INDINGS, ANALYTICAL APPROACHES AND CONCEPTUAL TOOLS THAT ARE OF GENERAL INTEREST AND THAT HAVE BEEN DEVELOPED BY A RESEARCH OROUP AT CENTRE FOR ADVANCED STUDY DEALING WITH 'UNDERSTANDING THE ROLE OF WATER IN HISTORY AND DEVELOPMENT. - DAY I: CLIMATE, DEVELOPMENT AND GOPOLITICS. - DAY II: CLIMATE, DEVLOPMENT AND THEORED AND METHODIOLOGICAL ISSUES: A PHD SEMINAR. THE SIX VOLUME BOOK SERIES A HISTORY OF WATER WILL BE LAUNCHED AT THE CONFERENCE. THREE NEW VOLUMES IN THE SERIES WILL BE BASED ON THIS CONFERENCE. - A HISTORY OF WATER, SERIES 3, VOL 1: CLIMATE CHANGE AND WATER SYSTEMS. - A HISTORY OF WATER, SERIES 3, VOL 2: WATER, HEALTH AND SOCIAL DEVELOPMENT. - A HISTORY OF WATER, SERIES 3, VOL 2: WATER, HEALTH AND SOCIAL DEVELOPMENT. - A HISTORY OF WATER, SERIES 3, VOL 2: WATER, HEALTH AND SOCIAL DEVELOPMENT. - A HISTORY OF WATER, SERIES 3, VOL 2: WATER, HEALTH AND SOCIAL DEVELOPMENT.	ØSTIGÅRD	TERJE FORSKER	UNIVERSITETET I BERGEN	DET SAMFUNNSVITE NSKAPELIGE FAKULTET	01-01-11	31-12-13	RCN	NORWAY
		AS PART OF THE CONFERENCE, TEN PHD STUDENTS FROM THE NORDIC COUNTRIES WILL BE INVITED TO PRESENT AND DISCUSS THEIR PROJECTS								
191035	NUMERICAL MODELING OF SEDIMENT TRANSPORT IN WATER RESERVOIRS	THE PROJECT WILL DEVELOP A THREE-DIMENSIONAL COMPUTER MODEL THAT CAN SIMULATE THE FLUSHING OF SAND AND SILT FROM WATER RESERVOIRS. THE ACCUMULATION OF SEDIMENTS IN RESERVOIRS IS LARGE PROBLEM WORLDWIDE, REDUCING AGRICULTURAL PRODUCTION IN DEVELOPING COUNTRIES AND HYDRO POWER AS A CLEAR NEEWWABLE EMISSION-REEE ENERGY SOURCE. THE PROJECT WILL COLLECT FIELD DATA FROM EXISTING RESERVOIR TO FIND SHORTCOMINGS OF OUR CURRENT NUMERICAL MODEL. WE WILL COOPERATE WITH THE TECHNICAL UNIVERSITY OF GRAZ, WHERE THEY HAVE CONSIDERABLE DATA AND ON-GOING PROJECTS ON FIELD AND LABORATORY DATA COLLECTION. GIVEN THE CHALLENGES OF THE COMPLEX RESERVOIR FLUSHING PROCESSES, IT WILL BE NECESSARY TO DEVELOP NEW PARTS FOR THE MODEL, INCLUDING IMPROVED FREE SURFACE ALGORITHMS. THE RESULTS WILL BE PUBLISHED ON INTERNATIONAL CONFERENCES AND IN INTERNATIONAL JOURNALS WITH PEER- REVIEW. ALSO, WEB PAGES WITH RESULTS FROM THE PROJECT WILL BE MADE.	OLSEN	NILS REIDAR BØE PROFESSOR	NTNU FAK FOR INGENIØRVITE NSKAP OG TEKN		01-07-09	01-01-13	RCN	NORWAY
200632	NOVEL ELECTRIC GENERATORS AND GRID COUPLING SOLUTIONS FOR HYDRO POWER STATIONS	SUCCESSFUL ACHIEVEMENT OF THE GOALS IMPLIES MEETING THE FOLLOWING CHALLENGES MECHANICAL INTEGRATION OF THE MACHINE AND, POSSIBLY, CONVERTER INTO THE TURBINE - DIRECT AND MIXED COUPLING OF PM MACHINES TO THE GRID OINAMIC OPERATION DUE TO PRESSURE INSTABILITY (PULSATIONS) MECHANICAL FIELD CONTROL MEDIUM VOLTAGE (MV) STATOR WORKING DIRECTLY IN WATER SEGMENTATION OF STATOR INTERDISCIPLINARY COMPETENCE REQUIRED FROM THE DESIGNERS CREATION OF VARIABLE SPEED TURBINE PROVIDING HIGHER SYSTEM EFFICIENCY. MANY OF THE USTED CHALLENGES CORRESPOND TO NEW ACADEMIC TOPICS, FIRST OF ALL MIXED COUPLING TO THE GRID, MECHANICAL FIELD CONTROL, SEGMENTATION OF THE STATOR. MOREOVER, APPLYING THE NOVELTIES TOGETHER LEADS TO SYNERGY EFFECT AND MAKES THE PROJECT ADVANCED COMPARED TO STATE OF THE ART SOLUTIONS. THE PROJECT RESULTS WILL FORM THE NEW KNOWLEDGE WITHIN THE FIELD OF SPECIAL PM MACHINES IN GENERATION MODE, THEIR TOPOLOGIES, DESIGN, CTC. TO BUILD A THEORETICAL BASIS SAND PRACTICAL DESIGN COMPETENCE FOR THE APPLICATION AREA IT IS PLANNED TO STABLISH T PHO DIV AT NTHU ON LE-MAG SYSTEM MODELING IG SPEAD NUTFER. COMPUTERS). THE MAIN WAYS TO MEET THE R&D CHALLENGES ARE: - WORKING COMPUTERS). THE MAIN WAYS TO MEET THE R&D CHALLENGES ARE: - WORKING	NODDELAND	BØRGE PROSJEKTLEDER	SMARTMOTOR AS		01-01-10	30-06-15	RCN	NORWAY
215934	IMPROVED DEVELOPMENT AND MANAGEMENT OF ENERGY AND WATER RESOURCES	CLIMATE CHANGE AND THE NEEDED REDUCTIONS IN THE USE OF FOSSIL FUELS CALL FOR THE DEVELOPMENT OF RENEWABLE ENERGY SOURCES. TO ENSURE THE OPTIMUM USE OF NATURAL RESOURCES AND MININISE THE ENVIRONMENTAL FOOTPRINT, ENVIRONMENTAL INDICATORS CAN BE APPLIED TO ALLOW COMPARISON ACROSS ENERGY FROUDCTION CATEGORIES. ECOMANAGE'S MAIN OBJECTIVE IS TO TEST, EVALUATE AND ADAPT NEW CONCEPTS AND INDICATORS FOR THE IMPROVED DEVELOPMENT AND MANAGEMENT OF ENERGY AND WATER RESOURCES. SECONDARY OBJECTIVES ARE TO: 1. DEVELOPA CONSISTENT FRAMEWORK FOR THE CALCULATION OF ENERGY PAYBACK RAND VALUES (EPR) FOR DTHERMENT ELECTICITY GENERATION TECHNOLOGIES WHICH ALLOWS FOR RELIABLE COMPARISONS AND BENCHMARKING BETWEEN TECHNOLOGIES. FURTHERMORE, TO APPLY THE DEVELOPED METHODOLOGY TO A NUMBER OF NORWEGIAN HYDROPOWER PLANTS AND BENCHMARK WITH INTERNATIONAL STUDIES. 2. DEVELOP ANT SAND BENCHMARK WITH INTERNATIONAL STUDIES. 2. DEVELOP ANT SAND CARRY OUTPLICT STUDIES. 3. DEMONSTRATE THE APPLICABILITY OF THE RESSESSMENT OF WATER CONSUMPTION IN HYDROPOWER PLANTS, ALLOWING COMPARISON WITH OTHER ELECTRICITY PRODUCTION TECHNOLOGIES, MUTH OTHER ELECTRICITY RODUCTION TECHNOLOGIES, MUTH OTHER ELECTRICITY RODUCTION TO THE ECONSTRME SERVICES IN IDENTIFYING THE FULL SOCIAL COSTS OF HYDROPOWER DEVELOPMENT AND CARRY OUTPLICT STUDIES.	SUNDT	HĂKON	SINTEF ENERGI AS		01-01-12	03-12-16	RCN	NORWAY

221674		SUSTAINABLE HYDROPOWER DEVELOPMENT IN CHINA AND NORWAY TO MEET FUTURE DEMANDS	FUTUREHYDRO WILL FOCUS ON HYDROPOWER AND PUMPED HYDROSTORAGE DEVELOPMENT AND THEIR ENVIRONMENTAL IMPACTS IN THE CONTEXT OF RENEWABLE ENREGY EXPANSION. IN ORDER TO MEET THE GROWING DEMAND OF REINEWABLE ELECTRICITY IN CHINA AND EUROPE, EXTENSIVE PROJECTS FOR DEVELOPING HYDROPOWER AND PUMPED HYDRO-STORAGE TO BALANCE INTERMITTENT ENERGY SOURCES HAVE BEEN PLANNED. IN NORWAY, THE USE OF EXISTING RESERVOIRS TO BALANCE THE EUROPEAN INTERMITTENT ENERGY SOURCES IS MOTIVATED BY THE STONGO DEVELOPMENT OF INTERMITTENT RENEWABLE ENERGY TO MEET THE EU TARGETS. HOWEVER, HYDROPOWER AND PUMPED HYDROSTORAGE MAY HAVE NEGATIVE IMPACTS ON THE ENVIRONMENT, SUCH AS MODIFICATION OF PHYSICAL CONDITIONS AND DETENIGNATION OF EXISTING ECC) SYSTEMS IN STORAGE RESERVOIRS AND DOWNSTREAM MIVERS. THE PROJECT'S OBJECTIVE IS TO EVELOP AND EXCHANGE SCIENTIFIC KNOWLEDGE BETWEEN NORWAY AND CHINA REGARDING THE IMPLEMENTATION OF HYDROYORER AND UMPASS. HERGARDING THE IMPLEMENTATION OF HYDROYORER AND UMPASS.	HARBY	ATLE RESEARCHER	SINTEF ENERGI AS	03-09-12	03-05-15	RCN	NORWAY
225873		STOCHASTIC OPTIMISATION MODEL FOR SCANDINAVIA WITH INDIVIDUAL WATER VALUES AND GRID RESTRICTIONS	ABOUT HOW HYDROPOWER CAN CONTRIBUTE TO THE OPTIMAL MIX OF IN FUTURE, THE SCANDINAVIAN POWER SUPPLY SYSTEM WILL HAVE CLOSER CONNECTIONS WITH EUROPE AND AN INCREASING PROPORTION OF UNCONTROLLABLE RENEWABLE GENERATION FROM, FOR EXAMPLE, WIND AND UNREGULATED HYDROELECTREL SYSTEMS. THERE IS THEREFORE A NEED TO DEVELOP A NEW MODEL WHICH TAKES INTO ACCOUNT UNPREDICTABLE FLUCTUATIONS IN UNREGULATED GENERATION. POWER SUPPLY SYSTEMS AND ENERGY MARKET 50N THE CONTINENT ARE EVOLVING RAPIDLY. SCANDINAVIAN MARKET PLAYERS AND SYSTEM OPERATORS ARE FACED WITH MAJOR INVESTMENT DECISIONS CONNECTED WITH POSSIBUITES FOR IMPROVED FLXIBILITY OF THE GENERATION SYSTEM (POWER OUTPUT EXPANSIONS AND PUMPING SCHEMES) AND AN INCREASE IN THE NUMBER OF CABLE CONNECTIONS TO EUROPE. FROM A NORWEGIAN PERSPECTIVE, IT SI IMPORTANT TO MAKE SUSTAINABLE DECISIONS AS TO WHETHRE TO INVEST IN ADDITIONAL CABLES TO THE CONTINENT AND IMPROVEMENTS IN THE FLEXIBILITY OF THE HYDROELECTRIC GENERATING SYSTEM. AND CABLES TO OTHER COUNTRIES WILL CALL FOR ACCURATE AND VERIFABLE MODELLING WHICH DOCUMENTS THE PROFITABILITY AND CONSEQUENCES OF INVESTIVENTS. THE EMENT OF FLEXIBILITY WILL INCREASE AND CORRECT ASSESSMENT OF ITS VALUE WILL BECOME INCREASINGLY INPORTANT. THE AIM OF THE PROJECT IS TO DEVELOP A COMPUTER PROGRAM TO SIMULATE	MO	BIRGER SENIOR FORSKER	STATNETT SF	01-01-13	31-12-16	RCN	NORWAY
225897		NEW WEATHER RADAR BASED PRECIPITATION PRODUCTS ADAPTED TO INFLOW FORECASTING AND HYDROPOWER SCHEDULING	THE AIM IS TO DEVELOP NEW WEATHER RADAR BASED PRECIPITATION PRODUCTS ADAPTED TO THE NEEDS OF THE HYDROPOWER COMPANIES. THE NEW PRODUCTS WILL USE RADAR DATA BOTH FOR ASSIMILATION INTO A NUMERICAL WEATHER PREDICTION MODEL AND FOR ESTIMATING GROUND PRECIPITATION. AN IMPROVEMENT IN THE QUALITY OF THE PRECIPITATION INPUT CAN DIRECTLY TRANSLATE INTO BETTER INFLOW FORECASTS AND LEAD TO AN INCREASED BENEFIT AND A MORE EFFICIENT USE OF WATER FOR HYDROPOWER PRODUCTION. THIS ISI ALSO A BENEFIT FOR THE NATION AS A WHOLE. THE NEED FOR BETTER PRECIPITATION PRODUCTS MAY BE EVEN MORE IMPORTANT IN A FUTURE ENRERGY MARKET WHERE NON-REGULATED RENEWABLE ENRERGY RESOURCES, INCLUDING SMALL SCALE HYDROPOWER, MID POWER, AND SOLAR POWER WILL BE USED TO A LARGER EXTENT. THEN HYDROPOWER WILL BE ESSENTIAL FOR BALANCING PURPOSES AND TO STRENGTHEN THE FLEXIBILITY AND ROBLYTNESS OF THE ENRERGY SYSTEMS. THE NEED FOR BALANCING WILL BE ON BOTH NATIONAL AND EUROPEAN SCALE AND TUSI INCREASE THEIR POSSIBILITIES FOR NORWEGIAN HYDROPOWER FOODLERS TO MAXIMIZE THEIR POSSIBILITIES FOR NORWEGIAN HYDROPOWER PRODUCERS TO MAXIMIZE THEIR PRODUCTS IN AN EUROPEAN LECLETICTI'N MARKET. THE MAIN RAD CHALLENGES PROFITS IN AN EUROPEAN ELECTICTI'N MARKET. THE MAIN RAD CHALLENGES PROFITS IN AN EUROPEAN ELECTICTI'N MARKET. THE MAIN RAD CHALLENGES PROFITS IN AN EUROPEAN ELECTICTI'N MARKET. THE MAIN RAD CHALLENGES		KOLBJØRN	ENERGI NORGE AS	01-02-13	31-12-15	RCN	NORWAY
208188	CEDREN	CEDREN - CENTRE FOR ENVIRONMENTAL DESIGN OF RENEWABLE ENERGY – INFRASTRUCTURE	BIRDS BEING ELECTROCUTED MAY E.G. RESULT IN POWER DUTAGES AND THUS HAVE AN ECONOMIC IMPACT, AND BIRDS COLLIDING WITH WIND TURBINES OR POWER UIRES MAY NEGATIVELY AFFECT THE SOCIETAL PERCEPTION OF AND ACCEPTANCE FOR RENEWABLE ENERGY. THE DEVELOPMENT OF ON- AND OFFSHORE WIND ENERGY AND ASSOCIATED POWER LINES GUEY ET ANOTHER PERSPECTIVE FOR KNOWLEDGE NEEDS, PARTICULARLY IN NORWAY, AS THE DIVERSE AND FAR REACHING COASTLINE, INCLUMING THE OFFSHORE ARCHIPELAGO AND SHALLOW WATERS, CREATES THE MOST IMPORTANT EUROPEAN HABITAT FOR MIGRATING AND RESIDENT SEA AND COASTAL BIRDS. THE INTERACTION DETWEEN RENEWABLE ENERGY SYSTEMS AND ECONSTEMS RAISES MAJOR CHALLENGES FOR INDUSTRY AND SOCIETY. AVIAN RADAR TECHNOLOGY GREATLY EXTENDED THE OBSERVATION- AND DATA COLLECTION CAPABILITIES FOR MONITORING BIRD MOVEMENTS IN ADVERSE ENVIRONMENTAL SETTINGS, AND EXPERIMENTALLY INVESTIGATING THE EFFECTIVENESS OF MITIGATION MEASURES. THE INFRASTRUCTURE IS ENVISIONED TO BE DIRECTLY ENDEDUGE WITHIN RESEARCH ACTIVITES DIRECTLY THE DTO THE CEFFECTIVENESS OF MITIGATION MEASURES. THE INFRASTRUCTURE IS ENVISIONED TO BE DIRECTLY ENDEDUGE WITHIN RESEARCH ACTIVITES DIRECTLY THE DTO THE CEREN PROJECTS BIRDWINDA AND OFTIPOL. IT WILL THUS FACILITATE HIGH- PRIORITY RESEARCH THAT IS OF WIDESPREAD NATIONAL AND INTERNATIONAL	BEVANGER	KJETIL FORSKER	SINTEF ENERGI AS	01-07-10	31-12-12	RCN	NORWAY

212706	CEDREN	CEDREN - CENTRE FOR ENVIRONMENTAL DESIGN OF RENEWABLE ENERGY - INFRASTRUCTURE 2011	OF HYDROPOWER8DEVELOPMI EQUIPMENT/INFRASTRUCTURE SITU/CHANGING/POST-CHANG THERE IS ARENEED FOR ACQUIRI TO POTENTIAL WATER TEMPER CONDITIONS, HYDROMORPHOL DEPENDENTERIVER SYSTEM PA WATER LEVEL AND PARTICLE M NEEDS IN RELATION TO ECOLO OTTER AND BIRDS. IN ADDITIOI MEASUREMETTSAND ANALYS CURRENT AND FUTURE HYDRO RELATED TO HYDROPOWER RE: INZUNDERSTANDING THE SCOF	E TO INVESTIGATE AND ASSESS THE IMPLICATIONS ENT IN AN ENVIRONMENTAL CONTEXT, FOR MEASURING ANDBANALYSING IN E SITUATIONS IS OF VITAL IMPORTANCE. IN DETAIL, ING AND UPDATING INFRASTRUCTURE IN RELATION NATURE, WATERBZUALITY, METEOROLOGICAL LOGICAL RIVER OVNAMIC CHANGE AND RAMETERS LIKE DISCHARGE, WATER VELOCITIES, IOUSEMENT INETHREE DIMENSIONS. OTHER VITAL GICAL INDICATORS OF CHANGE INCLUEBEBBEAVE, N, CEDREN ARE WORKING ON GREENHOUSE GAS IS, A RAPIDLY EXPANDING TOPIC IN RELATION TO POWERBÜCYELOPMENT IN GENERAL, SPECIFICALLY SERVOIRS ON A GLOBAL SCALE. E AND RANGE OF THIS TOPIC IT IS NECESSARY TO EMENT CAMPAIGNS, USING UPDATED	SUNDT	HĂKON	SINTEF ENERGI AS			01-09-11	31-12-13	RCN	NORWAY
217424		VERIFICATION OF NEW WATER TRACERS FOR RESERVOIR CHARACTERIZATION	WATER OR GAS IN OIL RESERV OPTIMISE OIL PRODUCTION. A ALONG WITH THE INJECTION W SWEEP VOLUMES AND ALLOCA SAMPLES TRACER COLLECTED TO FLOW MEASUREMENT AND INCREASINGLY IMPORTANT AS PRODUCTION METHODS ARE IN CONTRIBUTION FROM INCREAS CONTRIBUTES TO A GROWING TECHNIQUES. TRACER TECHNO SUCH AS LOGGING TOOLS, WEL INFLUENCE ON NORMAL PROD DEMANDS FOR TRACER SELECT THEREFORE THE NUMBER OF T RESERVOIRS IS LIMITED. IFE TO	BEEN USED TO ANALYSE TRANSPORT OF INJECTED DIRS, AS PART OF OIL COMPANIES EFFORTS TO CONCENTRATED PULSE OF TRACER IS INJECTED WATER. THE COMMUNICATION, TRANSPORT TIME, TION FACTORS CAN BE CALCULATED BY ANALYSING ROM PRODUCTION WELL TECHNOLOGY RELATED RESERVOIR MONITORING IS BECOMING OIL FIELDS MATURE AND MORE COST INTENSIVE WTRODUCED. WITH HIGH OIL PRICE, THE VALUE SED OIL RECOVERY (IOR) IS SIGNIFICANT, AND THIS MARKET FOR ACCURATE MONITORING LOGY DIFFERS FROM ALTERNATIVE METHODS, L TESTING PROCEDURES AND ADJINTRUSVE (NO UCTION PROCEDURES ADDIFFERENT WATER AC OF THESE TRACERS ARE NOTS UITABLE FOR ALL	LANDSGÅRD	TERJE DIREKTØR PORTEFØLJEUT VIKLING	KJELLER INNOVASJON AS			01-01-12	01-07-14	RCN	NORWAY
204066		INTEGRATED HEALTH RISK MANAGEMENT FOR URBAN AND PERI-URBAN WASTEWATER IRRIGATION	AND PERI-UBBAN REEAS ARE IF UNTREATED WASTEWATER (FU PRACTICE ARE ENORMOUS. IT ? FARMERS, ENHANCES UBBAN F WATER SUPPLY SYSTEMS, PRO- MANAGEMENT AND IMPROVES WASTEWATER TO AGRICULTUR COUNTRE-RPODUCTIVE ON PUI IT HE AFOREMENTIONED BENEF IS THE CASE IN MOST URBAN A COUNTRIES WHERE WASTEWA WASTEWATER TREATMENT FAI INADEQUATE OR NON-EXISTEN IRRIGATION HAS BEEN IDENTIF DIARRHOEAL AND HELMINTH C ASSOCIATED WITH MOSQUITO	MILLION HA OF AGRICULTURAL FIELDS IN URBAN RRIGATED WITH DILUTED, PARTLY DILUTED AND TURE HARVEST, 2001. THE BENERTS OF THE SUSTAINS THE LIVELIHOOD OF POOR URBAN '000 SECURTY, REDUCES PRESSURE ON POTABLE //DES AN OPTION FOR WASTEWATER SENVIRONMENTAL QUALITY BY DIVERTING BLIC HEALTH AND LEAD TO THE EROSION OF ALL THE INS. MOVEVER, THE PRACTICE CAN ALSO BE BLIC HEALTH AND LEAD TO THE EROSION OF ALL TE IR ROT UNDERTAKEN IN A SAFE MANNER. THIS ND PERI-URBAN AREAS IN DEVELOPING TER IRRIGATION IS LARGELY INFORMAL AND CUITIES FOR SHE RIRIGATION ARE EITHER IT. IN THESE COUNTRIES, WASTEWATER IED AS A SIGNIFICANT RISK FACTOR FOR NISEASE TRANSMISSION. IT IS ALSO INCERESINGLY VECTOR BORNE DISEASES.THE CHALLENGE THUS IS DOT WITHOUT	SEIDU	RAZAK FORSKER	UNIVERSITETET FOR MILIØ- OG BIOVITENSKAP	MATEMATISKE		01-01-11	31-12-13	RCN	NORWAY
213624		FLOWS AND PRACTICES: THE POLITICS OF INTEGRATED WATER RESOURCES MANAGEMENT (IWRM) IN AFRICA	APPROACH IN THE WATER SEC NOT PRODUCED THE ANTICIPA ECOLOGICAL OUTCOMES DUET BASINS AND THE PLURAL, OVER INFORMAL LEGAL AND CUSTON RESEARCH SEEKS TO LINK IDEA: EUROPEAN LEVEL TO THEIR TH EASTERN AND SOUTHERN AFRI ZIMBABWE), THIS RESEARCH W AND CHALLENGES OF IWRM, HH POLICIES AND PRACTICES AND AFRICAN PERSPECTIVE, OUR RE THERE IS A HUGE POTENTIALT WATER FOR POVERTY REDUCTI INTRODUCE NEW NORMATIVE BUT ALSO CLOSES DOWN A NU	ES MANAGEMENT (IWRM) HAS EMERGED AS A KEY TOR IN THE PAST DECADE. HOWEVER, IWRM HAS TED SOCIO-ECONOMIC, POLITICAL AND TO THE UNCERTAINTY AND COMPLEXITY OF RIVER RUAPPING AND COMPETING FORMAL AND SOF IWRM AS CONSTRUCTED AT THE GLOBAL AND ANSLATION INTO ANRARATIVES AND PRACTICES IN CA (TRAXANIA, MOZAMBIQUE, SOUTH AFRICA AND ULL CRITICALLY EXAMINE THE INTERPRETATIONS OPEFULLY CONTRIBUTING TO IMPROVING WATER MAKING THEM LOCALLY APPROPRIATE. FROM AN ASLARCH IS OF FUNDAMENTAL IMPORTANCE AS O CONSIDERABLY IMPROVE THE AVAILABILITY OF ION AND INCLUSIVE GROWTH. INFRM WILL ONDERS WHICH OPENS UP SPACES FOR REFORM MAER OF ALTERNATIVE FRAMINGS AND ACTORS. THIS MAKES IT IMPORTANCT OASK WHO	МЕНТА	LYLA PROFESSOR	UNIVERSITETET	INSTITUTT FOR INTERNASJONA LE MILIØ- OG	UTVIKLINGSSTU DIER	01-04-12	31-12-14	RCN	NORWAY

222783													
		CLIMATE COSMOPOLITICS:	 THIS PROJECT EXPLORES THE INTERSECTIONS OF CLIMATE CHANGE, ECONOMY,	STENSRUD	ASTRID		UNIVERSITETET	DET		01-01-13	31-12-16	RCN	NORWAY
		WATER CONFLICTS AND	COSMOLOGIES AND CITIZENSHIP IN THE PERUVIAN ANDES. PERU'S ECONOMY IS		FORSKER		I OSLO	SAMFUNNSVITE					
		CITIZENSHIP IN THE ERA OF	ONE OF THE FASTEST GROWING IN LATIN AMERICA, IN GREAT PART DUE TO THE					NSKAPELIGE					
		CLIMATE CHANGE IN THE	MINING INDUSTRY. YET, LARGE PARTS OF THE POPULATION, ESPECIALLY					FAKULTET					
		PERUVIAN ANDES	INDIGENOUS PEOPLE IN THE ANDEAN HIGHLANDS, ARE STILL EXCLUDED FROM										
			THIS GROWTH, AND FIND THEMSELVES INCREASINGLY VULNERABLE IN TERMS OF										
			GLOBAL WARMING AND WATER SCARCITY. ALTHOUGH PERU CONTRIBUTE VERY										
			LITTLE OF THE WORLD'S CARBON DIOXIDE EMISSIONS, GLOBAL WARMING IS										
			PRODUCING OBSERVABLE EFFECTS ON TEMPERATURE, PRECIPITATION,										
			SEASONALITY, GLACIER RETREAT AND WATER SUPPLY. CONFLICTS OVER WATER										
			HAVE INTENSIFIED DURING THE LAST FEW YEARS, AND SOCIAL MOVEMENTS NOT										
			ONLY QUESTION ECONOMIC AND ENVIRONMENTAL POLICIES, BUT ALSO ISSUES										
			OF SOCIAL EXCLUSION AND INCLUSION, GENDER EQUALITY AND CITIZENSHIP. AN										
			IMPORTANT CONCERN WILL BE TO INVESTIGATE THE EFFECTS OF GLOBAL										
			CLIMATE CHANGE ON LOCAL ENVIRONMENTS, ECONOMIC LIFE, POLITICAL										
			ORGANIZATIONS, AND CULTURAL PRACTICES, AND EXPLORE HOW PEOPLE										
			CAMANÁ WATERSHED IN AREQUIPA REGION: A POOR HERDING COMMUNITY IN										
			THE HEADWATER BASIN; AND A NEW TOWN IN THE MAJES PAMPA, WHICH HAS										
			THE READWATER BASIN; AND A NEW TOWN IN THE MAJES PAMIPA, WHICH HAS										
196639		TRACKING SIGNATURES OF	WE WILL STUDY THE ADAPTIVE DIVERSIFICATION IN THE POLYMORPHIC /	VØLLESTAD	LEIF ASBJØRN		UNIVERSITETET	DET		15-04-10	31-12-14	RCN	NORWAY
		ADAPTIVE DIVERSIFICATION	EURYHALINE THREESPINE STICKLEBACK AT GENOMIC AND PHENOTYPIC SCALES	.,	PROFESSOR		I OSLO	MATEMATISK-					
					PROFESSOR								
		DURING POSTGLACIAL	DURING COLONIZATION FROM THE OCEAN TO FRESHWATER. FOUR LATERAL					NATURVITENSK					
		COLONIZATION: THE BUILD-UP	PLATE MORPHS ARE FOUND, WHERE A COMPLETELY PLATED MORPH DOMINATES					APELIGE					
		OF GENOMIC ISOLATION IN	IN THE OCEAN, A PARTIALLY PLATED MORPH IN BRACKISH WATER, AND A LOW					FAKULTET					
		THREESPINE STICKLEBACK	PLATED MORPH IN FRESHWATER. IN A FEW LAKES, A FOURTH MORPH LACKING										
	1			1	1	1	1			1	1	1	1
	1	1	LATERAL PLATES CAN BE FOUND. THIS SALINITY GRADIENT IS VIEWED AS AN	1	1	1	1			1	1	1	1
	1	1	EVOLUTIONARY TEMPORAL TRANSECT WHERE POPULATIONS ADAPT TO LOCAL	1	1	1	1			1	1	1	1
	1	1	SELECTION PRESSURES, AND WHERE HYBRIDIZATION AND ADAPTIVE	1	1	1	1			1	1	1	1
	I		INTROGRESSION OCCUR IN CONTACT ZONES. WE AIM AT DETECTING SELECTION	I	1						1	1	
			ON PHENOTYPES IN THE WILD, SEARCH FOR SIGNATURES OF SELECTION,										
			ADAPTIVE INTROGRESSION AND DRIFT ALONG THE GENOME, AND ILLUMINATE										
			HOW PHENOTYPES ARE LINKED TO GENOMIC DIVERGENCE, STUDYING										
			MECHANISMS BEHIND HETEROGENOUS GENOMIC DIVERGENCE IN A FRAMEWORK										
			OF EVOLUTIONARY PARALLELISM. WE APPLY A SNP GENOME; PLATED MORPHS,										
			ADDING 10 LAKES WITH THE NO; UP OF GENOMIC AND REPRODUCTIVE ISOLATION										
			ALONG THE COLONIZATION/ADAPTATION TRAJECTORY OF STICKLEBACKS.										
213610		THE ROLE OF PARASITES IN	FOOD WEBS CONSTITUTE AN IMPORTANT BIOLOGICAL CONCEPT, DEPICTING	AMUNDSEN	PER-ARNE		UNIVERSITETET		FISKERI OG	01-06-12	31-05-15	RCN	NORWAY
		FOOD-WEB TOPOLOGY AND	ECOLOGICAL COMMUNITIES AS DETAILED NETWORKS OF TROPHIC INTERACTIONS.		PROFESSOR		I TROMSØ	BIOVITENSKAP	ØKONOMI				
		DYNAMICS OF SUBARCTIC	PARASITES HAVE RARELY BEEN INCLUDED IN FOOD-WEB STUDIES, DESPITE THEIR										
		LAKES	OMNIPRESENCE AND THE FACT THAT PARASITISM REPRESENTS THE MOST										
		LAKES											
			COMMON CONSUMER STRATEGY AMONG ORGANISMS. WITH A GROWING										
			AWARENESS OF THE POTENTIAL IMPORTANCE OF PARASITES IN TROPHIC										
			NETWORKS, THERE HAS RECENTLY BEEN A COMPREHENSIVE CALL FOR THEIR										
			NETWORKS, THERE HAS RECENTLY BEEN A COMPREHENSIVE CALL FOR THEIR										
			INCLUSION IN FOOD-WEB ANALYSES. THE PROPOSED PROJECT ADDRESSES KEY										
			INCLUSION IN FOOD-WEB ANALYSES. THE PROPOSED PROJECT ADDRESSES KEY ISSUES RELATED TO THE TOPOLOGY AND FUNCTIONING OF FOOD WEBS WITH										
			INCLUSION IN FOOD-WEB ANALYSES. THE PROPOSED PROJECT ADDRESSES KEY										
			INCLUSION IN FOOD-WEB ANALYSES. THE PROPOSED PROJECT ADDRESSES KEY ISSUES RELATED TO THE TOPOLOGY AND FUNCTIONING OF FOOD WEBS WITH										
			INCLUSION IN FOOD-WEB ANALYSES. THE PROPOSED PROJECT ADDRESSES KEY ISSUES RELATED TO THE TOPOLOGY AND FUNCTIONING OF FOOD WEBS WITH SPECIAL EMPHASIS ON THE ROLE OF PARASITES, USING SUBARCTIC LAKES AS A MODEL SYSTEM. TWO CONTRASTING BUT COMPUMENTARY APPROACHES ARE										
			INCLUSION IN FOOD-WEB ANALYSES THE PROPOSED PROJECT ADDRESSES KEY ISSUES RELATED TO THE TOPOLOGY AND FUNCTIONING OF FOOD WEBS WITH SPECIAL EMPHASIS ON THE ROLE OF PARASITES, USING SUBARCTIC LAKES AS A MODEL SYSTEM. TWO CONTRASTING BUT COMPLIMENTARY APPROACHES ARE EMPLOYCE). THE FIRST BEING RELATED TO THE ESTABLISHMENT AND ANALYSIS OF										
			INCLUSION IN FOOD-WEB ANALYSES. THE PROPOSED PROJECT ADDRESSES KEY ISSUES RELATED TO THE TOPOLOGY AND FUNCTIONING OF FOOD WEBS WITH SPECIAL EMPHASIS ON THE TOLE OF PARASITES, USING SUBARCTIC LAKES AS A MODEL SYSTEM. TWO CONTRASTING BUT COMPLIMENTARY APPROACHES ARE EMPLOYED; THE FIRST BEING RELATED TO THE ESTABLISHMENT AND ANALYSIS OF THE DETALED STRUCTURE OF A WHOLE-LAKE FOOD WEB INCLUDING PARASITES										
			INCLUSION IN FOOD-WEB ANALYSES. THE PROPOSED PROJECT ADDRESSES KEY ISSUES RELATED TO THE TOPOLOGY AND FUNCTIONING OF FOOD WEBS WITH SPECIAL EMPHASIS ON THE ROLE OF PARASTRES. USING SUBARCTIC LAKES AS A MODEL SYSTEM. TWO CONTRASTING BUT COMPLIMENTARY APPROACHES ARE EMPLOYED; THE FIRST BEING RELATED TO THE ESTABLISHMENT AND ANALYSIS OF THE DETAILED STRUCTURE OF A WHOLE-LAKE FOOD WEB INCLUDING PARASITES IN A SUBARCTIC LAKE ECOSYSTEM, AND THE LATTER TO THE INVESTIGATIONS OF										
			INCLUSION IN FOOD-WEB ANALYSES. THE PROPOSED PROJECT ADDRESSES KEY ISSUES RELATED TO THE TOPOLOGY AND FUNCTIONING OF FOOD WEBS WITH SPECIAL EMPHASIS ON THE TOLE OF PARASITES, USING SUBARCTIC LAKES AS A MODEL SYSTEM. TWO CONTRASTING BUT COMPLIMENTARY APPROACHES ARE EMPLOYED; THE FIRST BEING RELATED TO THE ESTABLISHMENT AND ANALYSIS OF THE DETALED STRUCTURE OF A WHOLE-LAKE FOOD WEB INCLUDING PARASITES										
			INCLUSION IN FOOD-WEB ANALYSES. THE PROPOSED PROJECT ADDRESSES KEY ISSUES RELATED TO THE TOPOLOGY AND FUNCTIONING OF FOOD WEBS WITH SPECIAL EMPHASIS ON THE ROLE OF PARASITES, USING SUBARCTIC LAKES AS A MODEL SYSTEM. TWO CONTRASTING BUT COMPLIMENTARY APPROACHES ARE EMPLOYED; THE FIRST BEING RELATED TO THE ESTABLISHMENT AND ANALYSIS OF THE DETAILED STRUCTURE OF A WHOLE-LAKE FOOD WEB INCLUDING PARASITES IN A SUBARCTIC LAKE ECOSYSTEM, AND THE LATTER TO THE INVESTIGATIONS OF A KEY SUB-WEB INTERACTION MODULE (FISH PREDATORS, THEIR PREY AND THEIR A KEY SUB-WEB INTERACTION MODULE (FISH PREDATORS, THEIR PREY AND THEIR										
			INCLUSION IN FOOD-WEB ANALYSES. THE PROPOSED PROJECT ADDRESSES KEY ISSUES RELATED TO THE TOPOLOGY AND FUNCTIONING OF FOOD WEBS WITH SPECIAL EMPHASIS ON THE ROLE OF PARASTRES, USING SUBARCTIC LAKES AS A MODEL SYSTEM. TWO CONTRASTING BUT COMPLIMENTARY APPROACHES ARE EMPLOYED, THE FIRST BEING RELATED TO THE ESTABLISHMENT AND ANALYSIS OF THE DETAILED STRUCTURE OF A WHOLE-LAKE FOOD WEB INCLUDING PARASITES IN A SUBARCTIC LAKE ECOSYSTEM, AND THE LATTER TO THE INVESTIGATIONS OF A KEY SUB-WEB INTERACTION MODULE (FISH PREDATORS, THEIR PREY AND THEIR TROPHICALIY TRANSMITTED PARASITES) IN TIME (LONG-TERM WITHIN-LAKE										
			INCLUSION IN FOOD-WEB ANALYSES THE PROPOSED PROJECT ADDRESSES KEY ISSUES RELATED TO THE TOPOLOGY AND FUNCTIONING OF FOOD WEBS WITH SPECIAL EMPHASIS ON THE ROLE OF PARASITES, USING SUBARCTIC LAKES AS A MODEL SYSTEM. TWO CONTRASTING BUT COMPLIMENTARY APPROACHES ARE EMPLOYCE). THE FIRST BEING RELATED TO THE ESTABLISHMENT AND ANALYSIS OF THE DETAILED STRUCTURE OF A WHOLE-LAKE FOOD WEB INCLUDING PARASITES IN A SUBARCTIC LAKE ECOSYSTEM, AND THE LATTER TO THE INVESTIGATIONS OF A KEY SUB-WEB INTERACTION MODULE (FISH PREDATORS, THEIR PREY AND THEIR TROPHICALLY TRANSMITTED PARASITES) IN TIME (LONG-TERM WITHIN-LAKE VARIATIONS) AND SPACE (IED TWENE-LAKE VARIATIONS). THE ADDRESS AND SPACE (IED TWENEN-LAKE VARIATIONS). THE ADOPTED										
			INCLUSION IN FOOD-WEB ANALYSES. THE PROPOSED PROJECT ADDRESSES KEY ISSUES RELATED TO THE TOPOLOGY AND FUNCTIONING OF FOOD WEBS WITH SPECIAL EMPHASIS ON THE ROLE OF PARASTRES, USING SUBARCTIC LAKES AS A MODEL SYSTEM. TWO CONTRASTING BUT COMPLIMENTARY APPROACHES ARE EMPLOYED, THE FIRST BEING RELATED TO THE ESTABLISHMENT AND ANALYSIS OF THE DETAILED STRUCTURE OF A WHOLE-LAKE FOOD WEB INCLUDING PARASITES IN A SUBARCTIC LAKE ECOSYSTEM, AND THE LATTER TO THE INVESTIGATIONS OF A KEY SUB-WEB INTERACTION MODULE (FISH PREDATORS, THEIR PREY AND THEIR TROPHICALIY TRANSMITTED PARASITES) IN TIME (LONG-TERM WITHIN-LAKE										
102259	SectoMONT	TIMESCALES OF SEDUMENT	INCLUSION IN FOOD-WEB ANALYSES. THE PROPOSED PROJECT ADDRESSES KEY ISSUES RELATED TO THE TOPOLOGY AND FUNCTIONING OF FOOD WEBS WITH SPECIAL EMPHASIS ON THE ROLE OF PARASITES, USING SUBARCTIC LAKES AS A MODEL SYSTEM. TWO CONTRASTING BUT COMPLIMENTARY APPROACHES ARE EMPLOYED; THE FIRST BEING RELATED TO THE ESTABLISHMENT AND ANALYSIS OF THE DETAILED STRUCTURE OF A WHOLE-LAKE FOOD WEB INCLUDING PARASITES IN A SUBARCTIC LAKE ECOSYSTEM, AND THE LATTER TO THE INVESTIGATIONS OF A KEY SUB-WEB INTERACTION MODULE (FISH PREDATORS, THEIR PREY AND THEIR TROPHICALLY TRANSMITTED PARASITES) IN TIME (LIONG-TERM WITHIN-LAKE VARIATIONS) AND SPACE (IERVEN-LAKE VARIATIONS). THE ADOPTED FRAMEWORK FACILITATES IN-DEPTH EXPLORATION OF THE IMPORTANCE OF	BEVIICH	Асніма		NTNU			01_01_09	01-01-12	PCN	NOPWAY
193358	SedyMONT	TIMESCALES OF SEDIMENT	INCLUSION IN FOOD-WEB ANALYSES. THE PROPOSED PROJECT ADDRESSES KEY ISSUES RELATED TO THE TOPOLOGY AND FUNCTIONING OF FOOD WEBS WITH SPECIAL EMPHASIS ON THE ROLE OF PARASITES, USING SUBARCTIC LAKES AS A MODEL SYSTEM. TWO CONTRASTING BUT COMPLIMENTARY APPROACHES ARE EMPLOYED; THE FIRST BEING RELATED TO THE ESTABLISHMENT AND ANALYSIS OF THE DETALED STRUCTURE OF A WHOLE-LAKE FOOD WEB INCLUDING PARASITES IN A SUBARCTIC LAKE ECOSYSTEM, AND THE LATTER TO THE INVESTIGATIONS OF A KEY SUB-WEB INTERACTION MODULE (FISH PREDATORS, THEIR PREY AND THEIR TROPHICALLY TRANSMITTED PARASITES) IN TIME (LONG-TERM WITHIN-LAKE VARIATIONS) AND SPACE (BETWEEN-LAKE VARIATIONS). THE ADOPTED FRAMEWORK FACILITATES IN-DEPTH EXPLORATION OF THE IMPORTANCE OF THE POCUS OF THIS NORWEGIAN INDIVIDUAL PROJECT (IP 5) WITHIN SEDYMONT	BEYLICH	ACHIM A		NTNU			01-01-09	01-01-13	RCN	NORWAY
193358	SedyMONT	DYNAMICS, CLIMATE AND	 INCLUSION IN FOOD-WEB ANALYSES THE PROPOSED PROJECT ADDRESSES KEY ISSUES RELATED TO THE TOPOLOGY AND FUNCTIONING OF FOOD WEBS WITH SPECIAL EMPHASIS ON THE ROLE OF PARASITES, USING SUBARCTIC LAKES AS A MODEL SYSTEM. TWO CONTRASTING BUT COMPLIMENTARY APPROACHES ARE EMPLOYCE). THE FIRST BEING RELATED TO THE ESTABLISHMENT AND ANALYSIS OF THE DETAILED STRUCTURE OF A WHOLE-LAKE FOOD WEB INCLUDING PARASITES IN A SUBARCTIC LAKE ECOSYSTEM, AND THE LATTER TO THE INVESTIGATIONS OF A KEY SUB-WEB INTERACTION MODULE (FISH PREDATORS, THEIR PREY AND THEIR TROPHICALLY TRANSMITTED PARASITES) IN TIME (LONG-TERM WITHIN-LAKE VARIATIONS) AND SPACE (IERTWEEN-LAKE VARIATIONS). THE ADOPTED FRAMEWORK FACILITATES IN-DEPTH EXPLORATION OF THE IMPORTANCE OF THE FOCUS OF THIS NORWEGIAN INDIVIDUAL PROJECT (IP 5) WITHIN SEDYMONT IS ON THE ERDALEN AND BØOLEN CATCHMENTS (TRIBUTARY STREAMS) IN	BEYLICH	ACHIM A FORSKER		SAMFUNNSFOR			01-01-09	01-01-13	RCN	NORWAY
193358	SedyMONT		INCLUSION IN FOOD-WEB ANALYSES. THE PROPOSED PROJECT ADDRESSES KEY ISSUES RELATED TO THE TOPOLOGY AND FUNCTIONING OF FOOD WEBS WITH SPECIAL EMPHASIS ON THE ROLE OF PARASITES, USING SUBARCTIC LAKES AS A MODEL SYSTEM. TWO CONTRASTING BUT COMPLIMENTARY APPROACHES ARE EMPLOYED; THE FIRST BEING RELATED TO THE ESTABLISHMENT AND ANALYSIS OF THE DETALED STRUCTURE OF A WHOLE-LAKE FOOD WEB INCLUDING PARASITES IN A SUBARCTIC LAKE ECOSYSTEM, AND THE LATTER TO THE INVESTIGATIONS OF A KEY SUB-WEB INTERACTION MODULE (FISH PREDATORS, THEIR PREY AND THEIR TROPHICALLY TRANSMITTED PARASITES) IN TIME (LONG-TERM WITHIN-LAKE VARIATIONS) AND SPACE (BETWEEN-LAKE VARIATIONS). THE ADOPTED FRAMEWORK FACILITATES IN-DEPTH EXPLORATION OF THE IMPORTANCE OF THE POCUS OF THIS NORWEGIAN INDIVIDUAL PROJECT (IP 5) WITHIN SEDYMONT	BEYLICH						01-01-09	01-01-13	RCN	NORWAY
193358	SedyMONT	DYNAMICS, CLIMATE AND	INCLUSION IN FOOD-WEB ANALYSES THE PROPOSED PROJECT ADDRESSES KEY ISSUES RELATED TO THE TOPOLOGY AND FUNCTIONING OF FOOD WEBS WITH SPECIAL EMPHASIS ON THE ROLE OF PARASITES, USING SUBARCTIC LAKES AS A MODEL SYSTEM. TWO CONTRASTING BUT COMPLIMENTARY APPROACHES ARE EMPLOYCE). THE FIRST BEING RELATED TO THE ESTABLISHMENT AND ANALYSIS OF THE DETAILED STRUCTURE OF A WHOLE-LAKE FOOD WEB INCLUDING PARASITES IN A SUBARCTIC LAKE ECOSYSTEM, AND THE LATTER TO THE INVESTIGATIONS OF A KEY SUB-WEB INTERACTION MODULE (FISH PREDATORS, THEIR PREY AND THEIR TROPHICALLY TRANSMITTED PARASITES) IN TIME (LONG-TERM WITHIN-LAKE VARIATIONS) AND SPACE (IERTWEEN-LAKE VARIATIONS). THE ADOPTED FRAMEWORK FACILITATES IN-DEPTH EXPLORATION OF THE IMPORTANCE OF THE FOCUS OF THIS NORWEGIAN INDIVIDUAL PROJECT (IP 5) WITHIN SEDYMONT IS ON THE ERDALEN AND BØOLEN CATCHMENTS (TRIBUTARY STREAMS) IN	BEYLICH			SAMFUNNSFOR			01-01-09	01-01-13	RCN	NORWAY
193358	SedyMONT	DYNAMICS, CLIMATE AND TOPOGRAPHIC CHANGE IN MOUNTAIN LANDSCAPES	 INCLUSION IN FOOD-WEB ANALYSES THE PROPOSED PROJECT ADDRESSES KEY ISSUES RELATED TO THE TOPOLOGY AND FUNCTIONING OF FOOD WEBS WITH SPECIAL EMPHASIS ON THE ROLE OF PARASITES, USING SUBARCTIC LAKES AS A MODEL SYSTEM. TWO CONTRASTING BUT COMPLIMENTARY APPROACHES ARE EMPLOYCE). THE FIRST BEING RELATED TO THE ESTABLISHMENT AND ANALYSIS OF THE DETAILED STRUCTURE OF A WHOLE-LAKE FOOD WEB INCLUDING PARASITES IN A SUBARCTIC LAKE ECOSYSTEM, AND THE LATTER TO THE INVESTIGATIONS OF A KEY SUB-WEB INTERACTION MODULE (FISH PREDATORS, THEIR PREY AND THEIR TROPHICALLY TRANSMITTED PARASITES) IN TIME (LONG-TERM WITHIN-LAKE VARIATIONS) AND SPACE (DETWEEN-LAKE VARIATIONS). THE ADOPTED FRAMEWORK FACILITATES IN-DEPTH EXPLORATION OF THE IMPORTANCE OF THE FOCUS OF THIS NORWEGIAN INDIVIDUAL PROJECT (IP 5) WITHIN SED/MONT IS ON THE ERDALEN AND BØDALEN GATCHMENTS (TIRBUTARY STREAMS) IN NORDFORD, WESTERAN NORWAY. BOTH VALLEYS PROVIDE, BASED ON THE ONGOING RESEARCH IN BOTH VACHMENTS CACLEULED TOPORTUNITIES TO	ветісн			SAMFUNNSFOR			01-01-09	01-01-13	RCN	NORWAY
193358	SedyMONT	DYNAMICS, CLIMATE AND TOPOGRAPHIC CHANGE IN MOUNTAIN LANDSCAPES (SEDYMONT) - ERDALEN AND	 INCLUSION IN FOOD-WEB ANALYSES. THE PROPOSED PROJECT ADDRESSES KEY ISSUES RELATED TO THE TOPOLOGY AND FUNCTIONING OF FOOD WEBS WITH SPECIAL EMPHASIS ON THE ROLE OF PARASITES, USING SUBARCTIC LAKES AS A MODEL SYSTEM. TWO CONTRASTING BUT COMPLIMENTARY APPROACHES ARE EMPLOYED; THE FIRST BEING RELATED TO THE ESTABLISHMENT AND ANALYSIS OF THE DETAILED STRUCTURE OF A WHOLE-LAKE FOOD WEB INCLUDING PARASITES IN A SUBARCTIC LAKE ECOSYSTEM, AND THE LATTER TO THE INVESTIGATIONS OF A KEY SUB-WEB INTERACTION MODULE (FISH PREDATORS, THEIR PREY AND THEIR TROPHICALLY TRANSMITTED PARASITES) IN TIME (LIONG-TERM WITHIN-LAKE VARIATIONS) AND SPACE (BETWEEN-LAKE VARIATIONS). THE ADOPTED FRAMEWORK FACILITATES IN-DEPTH EXPLORATION OF THE IMPORTANCE OF THE FOCUS OF THIS NORWEGIAN INDIVIDUAL PROJECT (IP 5) WITHIN SED/MONT IS ON THE ROALEN AND BROALEN CATCHMENTS (TRIBUTARY STREAMS) IN NORDFJORD, WESTERN NORWAY. BOTH VALLEYS PROVIDE, BASED ON THE ONGOING RESEARCH IN BOTH CATCHMENTS, EXCELLENT OPPORTUNITIES TO INTEGRATE EXISTING AND DATALE (DAVINTATIVE KNOWLDEG ON HOLOCEME	BEYLICH			SAMFUNNSFOR			01-01-09	01-01-13	RCN	NORWAY
193358	SedyMONT	DYNAMICS, CLIMATE AND TOPOGRAPHIC CHANGE IN MOUNTAIN LANDSCAPES	 INCLUSION IN FOOD-WEB ANALYSES. THE PROPOSED PROJECT ADDRESSES KY ISSUES RELATED TO THE TOPOLOGY AND FUNCTIONING OF FOOD WEBS WITH SPECIAL EMPHASIS ON THE ROLE OF PARASITES, USING SUBARCTIC LAKES AS A MODEL SYSTEM. TWO CONTRASTING BUT COMPLIMENTARY APPROACHES ARE EMPLOYED; THE FIRST BEING RELATED TO THE ESTABLISHMENT AND ANALYSIS OF THE DETAILED STRUCTURE OF A WHOLE-LAKE FOOD WEB INCLUDING PARASITES IN A SUBARCTIC LAKE ECOSYSTEM, AND THE LATTER TO THE INVESTIGATIONS OF A KEY SUB-WEB INTERACTION MODULE (FISH PREDATORS, THEIR REY AND THEIR TROPHICALLY TRANSMITTED PARASITES) IN TIME (LONG-TERM WITHIN-LAKE VARIATIONS) AND SPACE (BETWEEN-LAKE VARIATIONS). THE ADOPTED FRAMEWORK FACILITATES IN-DEPTH EXPLORATION OF THE IMPORTANCE OF THE FOCUS OF THIS NORWEGIAN INDIVIDUAL PROJECT (IP 5) WITHIN SEDYMONT IS ON THE ERDALEN AND BØDALEN CATCHMENTS (TRIBUTARY STREAMS) IN NORDFIORD, WESTERN NORWAY, BOTH VALLEYS PROVIDE, BAGED ON THE ONGORING RESEARCH IN BOTH CATCHMENTS, EXCELLENT OPPORTUNITIES TO INTEGRATE EXISTING AND DETAILED QUANTITATIVE KNOWLEDGE ON HOLOCENE PROCESS ARTS WITH NEW DATA ON SUBJAY SEDIMENT AND SOLUTE FLUXES AS	BEYLICH			SAMFUNNSFOR			01-01-09	01-01-13	RCN	NORWAY
193358	SedyMONT	DYNAMICS, CLIMATE AND TOPOGRAPHIC CHANGE IN MOUNTAIN LANDSCAPES (SEDYMONT) - ERDALEN AND	 INCLUSION IN FOOD-WEB ANALYSES. THE PROPOSED PROJECT ADDRESSES KEY ISSUES RELATED TO THE TOPOLOGY AND FUNCTIONING OF FOOD WEBS WITH SPECIAL EMPHASIS ON THE ROLE OF PARASITES, USING SUBARCTIC LAKES AS A MODEL SYSTEM. TWO CONTRASTING BUT COMPLIMENTARY APPROACHES ARE EMPLOYED; THE FIRST BEING RELATED TO THE ESTABLISHMENT AND ANALYSIS OF THE DETAILED STRUCTURE OF A WHOLE-LAKE FOOD WEB INCLUDING PARASITES IN A SUBARCTIC LAKE ECOSYSTEM, AND THE LATTER TO THE INVESTIGATIONS OF A KEY SUB-WEB INTERACTION MODULE (FISH PREDATORS, THEIR PREY AND THEIR TROPHICALLY TRANSMITTED PARASITES) IN TIME (LIONG-TERM WITHIN-LAKE VARIATIONS) AND SPACE (BETWEEN-LAKE VARIATIONS). THE ADOPTED FRAMEWORK FACILITATES IN-DEPTH EXPLORATION OF THE IMPORTANCE OF THE FOCUS OF THIS NORWEGIAN INDIVIDUAL PROJECT (IP 5) WITHIN SED/MONT IS ON THE ROALEN AND BROALEN CATCHMENTS (TRIBUTARY STREAMS) IN NORDFJORD, WESTERN NORWAY. BOTH VALLEYS PROVIDE, BASED ON THE ONGOING RESEARCH IN BOTH CATCHMENTS, EXCELLENT OPPORTUNITIES TO INTEGRATE EXISTING AND DATALE (DAVINTATIVE KNOWLDEG ON HOLOCEME	BEYLICH			SAMFUNNSFOR			01-01-09	01-01-13	RCN	NORWAY
193358	SedyMONT	DYNAMICS, CLIMATE AND TOPOGRAPHIC CHANGE IN MOUNTAIN LANDSCAPES (SEDYMONT) - ERDALEN AND	INCLUSION IN FOOD-WEB ANALYSES. THE PROPOSED PROJECT ADDRESSES KY ISSUES RELATED TO THE TOPOLOGY AND FUNCTIONING OF FOOD WEBS WITH SPECIAL EMPHASIS ON THE ROLE OF PARASITES, USING SUBARCTIC LAKES AS A MODEL SYSTEM. TWO CONTRASTING BUT COMPLIMENTARY APPROACHES ARE EMPLOYED; THE FIRST BEING RELATED TO THE ESTABLISHMENT AND ANALYSIS OF THE DETAILED STRUCTURE OF A WHOLE-LAKE FOOD WEB INCLUDING PARASITES IN A SUBARCTIC LAKE ECOSYSTEM, AND THE LATTER TO THE INVESTIGATIONS OF A KEY SUB-WEB INTERACTION MODULE (FISH PREDATORS, THEIR REY AND THEIR TROPHICALLY TRANSMITTED PARASITES) IN TIME (LONG-TERM WITHIN-LAKE VARIATIONS) AND SPACE (BETWEEN-LAKE VARIATIONS). THE ADOPTED FRAMEWORK FACILITATES IN-DEPTH EXPLORATION OF THE IMPORTANCE OF THE FOCUS OF THIS NORWEGIAN INDIVIDUAL PROJECT (IP 5) WITHIN SEDYMONT IS ON THE ERDALEN AND BØDALEN CATCHMENTS (TRIBUTARY STREAMS) IN NORDFIORD, WESTERN NORWAY, BOTH VALLEYS PROVIDE, BAGED ON THE ONGORING RESEARCH IN BOTH CATCHMENTS, EXCELLENT OPPORTUNITIES TO INTEGRATE EXISTING AND DETAILED QUANTITATIVE KNOWLEDGE ON HOLOCENE PROCESS ARTS WITH NEW DATA ON SUBJAY SEDIMENT AND SOLUTE FLUXES AS	BEYLICH			SAMFUNNSFOR			01-01-09	01-01-13	RCN	NORWAY
193358	SedyMONT	DYNAMICS, CLIMATE AND TOPOGRAPHIC CHANGE IN MOUNTAIN LANDSCAPES (SEDYMONT) - ERDALEN AND	 INCLUSION IN FOOD-WEB ANALYSES. THE PROPOSED PROJECT ADDRESSES KEY ISSUES RELATED TO THE TOPOLOGY AND FUNCTIONING OF FOOD WEBS WITH SPECIAL EMPHASIS ON THE ROLE OF PARASITES, USING SUBARCTIC LAKES AS A MODEL SYSTEM. TWO CONTRASTING BUT COMPLIMENTARY APPROACHES ARE EMPLOYED; THE FIRST BEING RELATED TO THE INVESTIGATIONS OF THE DETAILED STRUCTURE OF A WHOLE-LAKE FOOD WEB INCLUDING PARASITES IN A SUBARCTIC LAKE ECOSYSTEM, AND THE LATTER TO THE INVESTIGATIONS OF A KEY SUB-WEB INTERACTION MODULE (FISH PREDATORS, THEIR PREY AND THEIR TROPHICALLY TRANSMITTED PARASITES) IN TIME (LONG-TERM WITHIN-LAKE VARIATIONS) AND SPACE (IED TWEEN-LAKE VARIATIONS). THE ADOPTED FRAMEWORK FACILITATES IN-DEPTH EXPLORATION OF THE IMPORTANCE OF THE FOCUS OF THIS NORWEGIAN INDIVIDUAL PROJECT (IP 5) WITHIN SEDYMONT IS ON THE ERDALEN AND BØDALEN CATCHMENTS (TRIBUTARY STREAMS) IN NORDFJORD, WESTERN NORWAY. BOTH VALLEYS PROVIDE, BASED ON THE ONGORING RESEARCH IN BOTH CATCHMENTS, EXCELLENT OPPORTUNITIES TO INTEGRATE EXISTING AND DATALED YALLEYS PROVIDE, BASED ON THE ONGORING RESEARCH IN BOTH CATCHMENTS, EXCELLENT OPPORTUNITIES TO INTEGRATE RESTING AND DATA ON SUB;DAY SEDIMENT AND SOLUTE FLUXES AS WELL AS SEDIMENT SOURCES, DENUDATION RATES AND METEOROLOGICAL AND TOPOGRAPHY (ZANDSCAEW GORFHOMETIC CONTROLS OF DENUDATIVE	BEYLICH			SAMFUNNSFOR			01-01-09	01-01-13	RCN	NORWAY
193358	SedyMONT	DYNAMICS, CLIMATE AND TOPOGRAPHIC CHANGE IN MOUNTAIN LANDSCAPES (SEDYMONT) - ERDALEN AND	 INCLUSION IN FOOD-WEB ANALYSES THE PROPOSED PROJECT ADDRESSES KEY ISSUES RELATED TO THE TOPOLOGY AND FUNCTIONING OF FOOD WEBS WITH SPECIAL EMPHASIS ON THE ROLE OF PARASITES, USING SUBARCTIC LAKES AS A MODEL SYSTEM. TWO CONTRASTING BUT COMPLIMENTARY APPROACHES ARE EMPLOYCE). THE FIRST BEING RELATED TO THE ESTABLISHMENT AND ANALYSIS OF THE DETAILED STRUCTURE OF A WHOLE-LAKE FOOD WEB INCLUDING PARASITES IN A SUBARCTIC LAKE ECOSYSTEM, AND THE ESTABLISHMENT AND ANALYSIS OF A KEY SUB-WEB INTERACTION MODULE (FISH PREDATORS, THEIR PREY AND THEIR TROPHICALLY TRANSMITTED PARASITES) IN TIME (LONG-TERM WITHIN-LAKE VARIATIONS) AND SPACE (IEETWEEN-LAKE VARIATIONS). THE ROPOTED FRAMEWORK FACILITATES IN-DEPTH EXPLORATION OF THE IMPORTANCE OF THE FOCUS OF THIS NORWEGIAN INDIVIDUAL PROJECT (IP 5) WITHIN SED/MONT IS ON THE ERDALEN AND BØDALEN CATCHMENTS (TRIBUTARY STREAMS) IN NORDFORD, WESTERN NORWAY. BOTH VALLEYS PROVIDE, BASED ON THE ONGOING RESEARCH IN BOTAL OU QUANTITATIVE KNOWLEDGE ON HOLOCENE PROCESS AFTS WITH NEW DATA ON SUBJAY SEDIMENT AND SOLUTF FLUXES AS WELL AS SEDIMENT SOURCES, DENUDATION RATES AND METEOROLOGICAL AND TOPOGORAPHIC /LANDSCAPE MORPHOMETRIC CONDUCING OF DENUDATIVE	BEYLICH			SAMFUNNSFOR			01-01-09	01-01-13	RCN	NORWAY
193358	SedyMONT	DYNAMICS, CLIMATE AND TOPOGRAPHIC CHANGE IN MOUNTAIN LANDSCAPES (SEDYMONT) - ERDALEN AND	 INCLUSION IN FOOD-WEB ANALYSES. THE PROPOSED PROJECT ADDRESSES KEY ISSUES RELATED TO THE TOPOLOGY AND FUNCTIONING OF FOOD WEBS WITH SPECIAL EMPHASIS ON THE ROLE OF PARASITES, USING SUBARCTIC LAKES AS A MODEL SYSTEM. TWO CONTRASTING BUT COMPLIMENTARY APPROACHES ARE EMPLOYED; THE FIRST BEING RELATED TO THE INVESTIGATIONS OF THE DETAILED STRUCTURE OF A WHOLE-LAKE FOOD WEB INCLUDING PARASITES IN A SUBARCTIC LAKE ECOSYSTEM, AND THE LATTER TO THE INVESTIGATIONS OF A KEY SUB-WEB INTERACTION MODULE (FISH PREDATORS, THEIR PREY AND THEIR TROPHICALLY TRANSMITTED PARASITES) IN TIME (LIONG-TERM WITHIN-LAKE VARIATIONS) AND SPACE (IERVEN-LAKE VARIATIONS). THE ROOPTED FRAMEWORK FACILITATES IN-DEPTH EXPLORATION OF THE IMPORTANCE OF THE FOCUS OF THIS NORWEGIAN INDIVIDUAL PROJECT (IP 5) WITHIN SED/MONT IS ON THE ROALEN AND BØALEN CATCHMENTS (TRIBUTARY STREAMS) IN NORDFJORD, WESTERN NORWAY. BOTH VALLEYS PROVIDE, BASED ON THE ONGOING RESEARCH IN BOTH CATCHMENTS, EXCELLENT OPPORTUNITIES TO INTEGRATE EXISTING AND DATA ON SUB;DAY SEDIMENT AND SOLUTE FLUXES AS WILL AS SEDIMENT SOURCES, DENUDATION RATES AND BMENT FOROLOGICAL AND TOPOGRAPHIC /LANDSCAPE MORPHOMETRIC CONTROLS OF DENUDATION TO STANDER BRINNET SOURCES, DENUDATION RATES AND DETEROROLOGICAL AND TOPOGRAPHIC /LANDSCAPE MORPHOMETRIC CONTROLS OF DENUDATIVE PROCESSES. IN ADDITION TO STANDARD METHODS FOR MONTORING BEDLOAD	BEYLICH			SAMFUNNSFOR			01-01-09	01-01-13	RCN	NORWAY
193358	SedyMONT	DYNAMICS, CLIMATE AND TOPOGRAPHIC CHANGE IN MOUNTAIN LANDSCAPES (SEDYMONT) - ERDALEN AND	 INCLUSION IN FOOD-WEB ANALYSES THE PROPOSED PROJECT ADDRESSES KEY ISSUES RELATED TO THE TOPOLOGY AND FUNCTIONING OF FOOD WEBS WITH SPECIAL EMPHASIS ON THE ROLE OF PARASITES, USING SUBARCTIC LAKES AS A MODEL SYSTEM. TWO CONTRASTING BUT COMPLIMENTARY APPROACHES ARE EMPLOYCE). THE FIRST BEING RELATED TO THE ESTABLISHMENT AND ANALYSIS OF THE DETAILED STRUCTURE OF A WHOLE-LAKE FOOD WEB INCLUDING PARASITES IN A SUBARCTIC LAKE ECOSYSTEM, AND THE LATTER TO THE INVESTIGATIONS OF A KEY SUB-WEB INTERACTION MODULE (FISH PREDATORS, THEIR PREY AND THEIR TROPHICALLY TRANSMITTED PARASITES) IN TIME (LONG-TERM WITHIN-LAKE VARIATIONS) AND SPACE (IEEW TWEN-LAKE VARIATIONS). THE ROOPTED FRAMEWORK FACILITATES IN-DEPTH EXPLORATION OF THE IMPORTANCE OF THE FOCUS OF THIS NORWEGIAN INDIVIDUAL PROJECT (IP 5) WITHIN SED/MONT IS ON THE ERDALEN AND BØOALEN CATCHMENTS (TRIBUTARY STREAMS) IN NORDFORD, WESTERN NORWAY. BOTH VALLEYS PROVIDE, BASED ON THE ONGOING RESEARCH IN BOTAL OU QUANTITATIVE KNOWLEDGE ON HOLOCENE PROCESS AFTS WITH NEW DATA ON SUBJAS SEDIMENTS TO INTEGRATE EXISTING AND ATA ON SUBJAS SEDIMENT AND SOLUTF FLUXES AS WELL AS SEDIMENT SOURCES, DENUDATION RATES AND METEOROLOGICAL AND TOPOGORAPHIC /LANDSCAPE MORPHOMETRIC CONDITIONIS OF DENUDATIVE PROCESS AFTIN SOURCES, DENUDATION RATES AND METEOROLOGICAL AND TOPOGORAPHIC /LANDSCAPE MORPHOMETRIC CONDICING OF DENUDATIVE	BEYLICH			SAMFUNNSFOR			01-01-09	01-01-13	RCN	NORWAY
193358	SedyMONT	DYNAMICS, CLIMATE AND TOPOGRAPHIC CHANGE IN MOUNTAIN LANDSCAPES (SEDYMONT) - ERDALEN AND	 INCLUSION IN FOOD-WEB ANALYSES. THE PROPOSED PROJECT ADDRESSES KEY ISSUES RELATED TO THE TOPOLOGY AND FUNCTIONING OF FOOD WEBS WITH SPECIAL EMPHASIS ON THE ROLE OF PARASITES, USING SUBARCTIC LAKES AS A MODEL SYSTEM. TWO CONTRASTING BUT COMPLIMENTARY APPROACHES ARE EMPLOYED; THE FIRST BEING RELATED TO THE INVESTIGATIONS OF THE DETAILED STRUCTURE OF A WHOLE-LAKE FOOD WEB INCLUDING PARASITES IN A SUBARCTIC LAKE ECOSYSTEM, AND THE LATTER TO THE INVESTIGATIONS OF A KEY SUB-WEB INTERACTION MODULE (FISH PREDATORS, THEIR PREY AND THEIR TROPHICALLY TRANSMITTED PARASITES) IN TIME (LIONG-TERM WITHIN-LAKE VARIATIONS) AND SPACE (IERVEN-LAKE VARIATIONS). THE ROOPTED FRAMEWORK FACILITATES IN-DEPTH EXPLORATION OF THE IMPORTANCE OF THE FOCUS OF THIS NORWEGIAN INDIVIDUAL PROJECT (IP 5) WITHIN SED/MONT IS ON THE ROALEN AND BØALEN CATCHMENTS (TRIBUTARY STREAMS) IN NORDFJORD, WESTERN NORWAY. BOTH VALLEYS PROVIDE, BASED ON THE ONGOING RESEARCH IN BOTH CATCHMENTS, EXCELLENT OPPORTUNITIES TO INTEGRATE EXISTING AND DATA ON SUB;DAY SEDIMENT AND SOLUTE FLUXES AS WILL AS SEDIMENT SOURCES, DENUDATION RATES AND BMENT FOROLOGICAL AND TOPOGRAPHIC /LANDSCAPE MORPHOMETRIC CONTROLS OF DENUDATION TO STANDER BRINNET SOURCES, DENUDATION RATES AND DETEROROLOGICAL AND TOPOGRAPHIC /LANDSCAPE MORPHOMETRIC CONTROLS OF DENUDATIVE PROCESSES. IN ADDITION TO STANDARD METHODS FOR MONTORING BEDLOAD	BEYLICH			SAMFUNNSFOR			01-01-09	01-01-13	RCN	NORWAY
193358	SedyMONT	DYNAMICS, CLIMATE AND TOPOGRAPHIC CHANGE IN MOUNTAIN LANDSCAPES (SEDYMONT) - ERDALEN AND	 INCLUSION IN FOOD-WEB ANALYSES. THE PROPOSED PROJECT ADDRESSES KEY ISSUES RELATED TO THE TOPOLOGY AND FUNCTIONING OF FOOD WEBS WITH SPECIAL EMPHASIS ON THE ROLE OF PARASITES, USING SUBARCTIC LAKES AS A MODEL SYSTEM. TWO CONTRASTING BUT COMPUMENTARY APPROACHES ARE EMPLOYCE). THE FIRST BEING RELATED TO THE ESTABLISHMENT AND ANALYSIS OF THE DETAILED STRUCTURE OF A WHOLE-LAKE FOOD WEB INCLUDING PARASITES IN A SUBARCTIC LAKE ECOSYSTEM, AND THE LATTER TO THE INVESTIGATIONS OF A KEY SUB-WEB INTERACTION MODULE (FISH PREDATORS, THEIR PREY AND THEIR TROPHICALLY TRANSMITTED PARASITES) IN TIME (LONG-TERM WITHIN-LAKE VARIATIONS) AND SPACE (IEBVENEN-LAKE VARIATIONS). THE ROPTED FRAMEWORK FACILITATES IN-DEPTH EXPLORATION OF THE IMPORTANCE OF THE FOCUS OF THIS NORWEGIAN INDIVIDUAL PROJECT (IP 5) WITHS SUFWONT IS ON THE ERDALEN AND BØDALEN CATCHMENTS (TRIBUTARY STIREAMS) IN NOROFIORD, WESTERN NORWAY, BOTH VALLEYS PROVIDE, BASED ON THE ONGOING RESEARCH IN BOTH CATCHMENTS, TRIELTARY STREAMS) IN NOROFIORD, WESTERN NORWAY, BOTH VALLEYS PROVIDE, BASED ON THE ONGOING RESEARCH IN BOTO STANDARD MENT AND SOLUTE FUXES AS WILL AS SEDIMENT SOURCES, DENUDATION RATES AND METEOROLOGICAL AND TOPOGRAPHIC /LANDSCAPE MORPHOMETRIC CONTROLS OF DENUDATIVE PROCESSES, IN ADDITION TO STANDARD MEATES AND METOROLOGICAL AND TOPOGRAPHIC /LANDSCAPE MORPHOMETRIC CONTROLS OF DENUDATIVE PROCESSES IN ADDITION TO STANDARD MEATES AND BEIDORD THRE BOLOAD TRANSPORT, INNOVATIVE TECHNIQUES LIKE SHOCK SENSORS AND BIOFILM ANALYSIS WILL BE APPLIED TO ANALYSE CHANNEL STABILITY / MOBILITY AND BEDUDAD TRANSPORT HATES IN BOTH VALLEYS. SAMPLES OF INTERNED	веүцсн			SAMFUNNSFOR			01-01-09	01-01-13	RCN	NORWAY
193358	SedyMONT	DYNAMICS, CLIMATE AND TOPOGRAPHIC CHANGE IN MOUNTAIN LANDSCAPES (SEDYMONT) - ERDALEN AND	 INCLUSION IN FOOD-WEB ANALYSES. THE PROPOSED PROJECT ADDRESSES KY ISSUES RELATED TO THE TOPOLOGY AND FUNCTIONING OF FOOD WEBS WITH SPECIAL EMPHASIS ON THE ROLE OF PARASITES, USING SUBARCTIC LAKES AS A MODEL SYSTEM. TWO CONTRASTING BUT COMPLIMENTARY APPROACHES ARE EMPLOYED; THE FIRST BEING RELATED TO THE INVESTIGATIONS OF THE DETAILED STRUCTURE OF A WHOLE-LAKE FOOD WEB INCLUDING PARASITES IN A SUBARCTIC LAKE ECOSYSTEM, AND THE LATTER TO THE INVESTIGATIONS OF A KEY SUB-WEB INTERACTION MODULE (FISH PREDATORS, THEIR PREY AND THEIR TROPHICALLY TRANSMITTED PARASITES) IN TIME (LONG-TERM WITHIN-LAKE VARIATIONS) AND SPACE (IED TWEEN-LAKE VARIATIONS). THE ROPOTED FRAMEWORK FACILITATES IN-DEPTH EXPLORATION OF THE IMPORTANCE OF THE FOCUS OF THIS NORWEGIAN INDIVIDUAL PROJECT (IP 5) WITHIN SEDYMONT IS ON THE ERDALEN AND BØDALEN CATCHMENTS (TRIBUTARY STREAMS) IN NORDFJORD, WESTERN NORWAY. BOTH VALLEYS PROVIDE, BASED ON THE ONGOING RESEARCH IN BOTH CATCHMENTS, EXCELLENT OPPORTUNITIES TO INTEGRATE EXISTING AND DEATA ON SUB;DAY SEDIMENT AND SOLUCERE PROCESS RATES WITH NEW DATA ON SUB;DAY SEDIMENT AND SOLUCER AND WELL AS SEDIMENT SOURCES, DENUDATION RATES AND METEOROLOGICAL AND TOPOGRAPHIC /LANDSCAFE MORPHOMETRIC CONTROLS OF DENUDATIVE PROCESSES. IN ADDITION TO STANDARD METHODS FOR MONITORING BEDLOAD TRANSPORT, INNOVATIVE ECHNIQUES THENG'S AND BIOTHM ANALYSIS WILL BE APPLIED TO ANALYSE CHANNELS STANDELS OF ILTER SUBLED SUFFLOM PROLESSES. IN ADDITION TO STANDARD METHODS FOR MONITORING BEDLOAD TRANSPORT, INNOVATIVE FECHNIQUES LIMENT SANDELS OF FILTERED SUFFLOM ANALYSIS WILL BE APPLIED TO ANALYSE CHANNEL STABILITY / MOBILITY AND BEDLOAD TRANSPORT FATES IN BOTH VALLEYS. SANDELS OF FILTERED SUFFLOE WATER AND SUSPENDED FARTICULATE MARKLEL OCUSTED ON FILTES WILL BE WATER AND SUSPENDED FARTICULATE MARKLEL OD FILTERED SUFFLOE ON SUFFLOE	BEYLICH			SAMFUNNSFOR			01-01-09	01-01-13	RCN	NORWAY
193358	SedyMONT	DYNAMICS, CLIMATE AND TOPOGRAPHIC CHANGE IN MOUNTAIN LANDSCAPES (SEDYMONT) - ERDALEN AND	INCLUSION IN FOOD-WEB ANALYSES THE PROPOSED PROJECT ADDRESSES KEY ISSUES RELATED TO THE TOPOLOGY AND FUNCTIONING OF FOOD WEBS WITH SPECIAL EMPHASIS ON THE ROLE OF PARASITES, USING SUBARCTIC LAKES AS A MODEL SYSTEM. TWO CONTRASTING BUT COMPLIMENTARY APPROACHES ARE EMPLOYCE). THE FIRST BEING RELATED TO THE ESTABLISHMENT AND ANALYSIS OF THE DETAILED STRUCTURE OF A WHOLE-LAKE FOOD WEB INCLUDING PARASITES IN A SUBARCTIC LAKE ECOSYSTEM, AND THE ESTABLISHMENT AND ANALYSIS OF A KEY SUB-WEB INTERACTION MODULE (FISH PREDATORS, THEIR PREY AND THEIR TROPHICALLY TRANSMITTED PARASITES) IN TIME (LONG-TERM WITHIN-LAKE VARIATIONS) AND SPACE (JEETWEEN-LAKE VARIATIONS). THE ADOPTED FRAMEWORK FACILITATES IN-DEPTH EXPLORATION OF THE IMPORTANCE OF THE FOCUS OF THIS NORWEGIAN INDIVIDUAL PROJECT (JP 5) WITHIN SEDYMONT IS ON THE ERDALEN AND BØDALEN CATCHMENTS (TRIBUTARY STREAMS) IN NORDFORD, WESTERN NORWEGIAN INDIVIDUAL PROJECT (JP 5) WITHIN SEDYMONT IS ON THE ERDALEN AND BØDALEN CATCHMENTS (TRIBUTARY STREAMS) IN NORDFORD, WESTERN NORWAY, BOTH VALLEYS PROVIDE, BASED ON THE ONGOING RESEARCH IN BOTH CATCHMENTS, EXCELLIEN TOPORTUNITIES TO INTEGRATE EXISTING AND DETAILED QUANTITATIVE KNOWLEDGE ON HOLOCENE A WILL AS SEDIMENT SOURCES, DENUDATION RATES AND METEOROLOGICAL AND TOPOGRAPHIC /LANDSCAPE MORPHOMETRIC CONTROLS OF DENUDATIVE PROCESS RATES WITH NEW DATA ON SUBJAY SEDIMENT AND SOLUTE FLUXES AS UNLL AS SEDIMENT SOURCES, DENUDATION RATES AND METEOROLOGICAL AND TOPOGRAPHIC /LANDSCAPE MORPHOMETRIC CONTROLS OF DENUDATIVE PROCESS RATES WITH NEW DATA ON SUBJAY SEDIMENT AND SOLUTE TO INTEGRATE CANTIVE TECHNIQUES LIKE SHOCK SANSORS AND BIOHIM ANALYSIS WILL BE APPUED TO ANALYSE CHANGEL STABLISTY / MOBILITY AND BEDLOAD TRANSPORT RATES IN BOTH VALLEYS. SAMPLES OF FILTERES UNDER WATER AND SUSPENDEP PARTICULATE MATERIAL COLLECTED ON FILTERS WILD ECOMPLED TO DESTINKTE THE PARTICULATE AND DISSOLYCE DANDOFFI	BEYLICH			SAMFUNNSFOR			01-01-09	01-01-13	RCN	NORWAY
193358	SedyMONT	DYNAMICS, CLIMATE AND TOPOGRAPHIC CHANGE IN MOUNTAIN LANDSCAPES (SEDYMONT) - ERDALEN AND	 INCLUSION IN FOOD-WEB ANALYSES. THE PROPOSED PROJECT ADDRESSES KY ISSUES RELATED TO THE TOPOLOGY AND FUNCTIONING OF FOOD WEBS WITH SPECIAL EMPHASIS ON THE ROLE OF PARASITES, USING SUBARCTIC LAKES AS A MODEL SYSTEM. TWO CONTRASTING BUT COMPLIMENTARY APPROACHES ARE EMPLOYED; THE FIRST BEING RELATED TO THE INVESTIGATIONS OF THE DETAILED STRUCTURE OF A WHOLE-LAKE FOOD WEB INCLUDING PARASITES IN A SUBARCTIC LAKE ECOSYSTEM, AND THE LATTER TO THE INVESTIGATIONS OF A KEY SUB-WEB INTERACTION MODULE (FISH PREDATORS, THEIR PREY AND THEIR TROPHICALLY TRANSMITTED PARASITES) IN TIME (LONG-TERM WITHIN-LAKE VARIATIONS) AND SPACE (IED TWEEN-LAKE VARIATIONS). THE ROPOTED FRAMEWORK FACILITATES IN-DEPTH EXPLORATION OF THE IMPORTANCE OF THE FOCUS OF THIS NORWEGIAN INDIVIDUAL PROJECT (IP 5) WITHIN SEDYMONT IS ON THE ERDALEN AND BØDALEN CATCHMENTS (TRIBUTARY STREAMS) IN NORDFJORD, WESTERN NORWAY. BOTH VALLEYS PROVIDE, BASED ON THE ONGOING RESEARCH IN BOTH CATCHMENTS, EXCELLENT OPPORTUNITIES TO INTEGRATE EXISTING AND DEATA ON SUB;DAY SEDIMENT AND SOLUCERE PROCESS RATES WITH NEW DATA ON SUB;DAY SEDIMENT AND SOLUCER AND WELL AS SEDIMENT SOURCES, DENUDATION RATES AND METEOROLOGICAL AND TOPOGRAPHIC /LANDSCAFE MORPHOMETRIC CONTROLS OF DENUDATIVE PROCESSES. IN ADDITION TO STANDARD METHODS FOR MONITORING BEDLOAD TRANSPORT, INNOVATIVE ECHNIQUES THENG'S AND BIOTHM ANALYSIS WILL BE APPLIED TO ANALYSE CHANNELS STANDELS OF ILTER SUBLED SUFFLOM PROLESSES. IN ADDITION TO STANDARD METHODS FOR MONITORING BEDLOAD TRANSPORT, INNOVATIVE FECHNIQUES LIMENT SANDELS OF FILTERED SUFFLOM ANALYSIS WILL BE APPLIED TO ANALYSE CHANNEL STABILITY / MOBILITY AND BEDLOAD TRANSPORT FATES IN BOTH VALLEYS. SANDELS OF FILTERED SUFFLOE WATER AND SUSPENDED FARTICULATE MARKLEL OCUSTED ON FILTES WILL BE WATER AND SUSPENDED FARTICULATE MARKLEL OD FILTERED SUFFLOE ON SUFFLOE	BEYLICH			SAMFUNNSFOR			01-01-09	01-01-13	RCN	NORWAY
193358	SedyMONT	DYNAMICS, CLIMATE AND TOPOGRAPHIC CHANGE IN MOUNTAIN LANDSCAPES (SEDYMONT) - ERDALEN AND	INCLUSION IN FOOD-WEB ANALYSES. THE PROPOSED PROJECT ADDRESSES KEY ISSUES RELATED TO THE TOPOLOGY AND FUNCTIONING OF FOOD WEBS WITH SPECIAL EMPHASIS ON THE ROLE OF PARASITES, USING SUBARCTIC LAKES AS A MODEL SYSTEM. TWO CONTRASTING BUT COMPLIMENTARY APPROACHES ARE EMPLOYED; THE FIRST BEING RELATED TO THE INVESTIGATIONS OF THE DETAILED STRUCTURE OF A WHOLE-LAKE FOOD WEB INCLUDING PARASITES IN A SUBARCTIC LAKE ECOSYSTEM, AND THE LATTER TO THE INVESTIGATIONS OF A KEY SUB-WEB INTERACTION MODULE (FISH PREDATORS, THEIR PREY AND THEIR TROPHICALLY TRANSMITTED PARASITES) IN TIME (LIONG-TERM WITHIN-LAKE VARIATIONS) AND SPACE (IERVEN-LAKE VARIATIONS). THE ROOPTED FRAMEWORK FACILITATES IN-DEPTH EXPLORATION OF THE IMPORTANCE OF THE FOCUS OF THIS NORWEGIAN INDIVIDUAL PROJECT (IP 5) WITHIN SED/MONT IS ON THE RDALEN AND BØAGLEN CATCHMENTS (TRIBUTARY STREAMS) IN NORDFJORD, WESTERN NORWAY. BOTH VALLEYS PROVIDE, BASED ON THE ONGOING RESEARCH IN BOTH CATCHMENTS, EXCELLENT OPPORTUNITIES TO INTEGRATE EXISTING AND DATA ON SUB;DAY SEDIMENT AND SOLUTE FLUXES AS WELL AS SEDIMENT SOURCES, DENUDATION RATES AND METEROROLOGICAL AND TOPOGRAPHIC /LANDSCAPE MORPHOMETRIC CONTROLS OF DENUDATIVE PROCESSES. IN ADDITION TO STANDARD METHODS FOR MONTORING BEDLOAD TRANSPORT, INNOVATIVE ETCHNIQUES, SAMPLES OF MONTORING BEDLOAD TRANSPORT, INNOVATIVE TECHNIQUES, CHANNEL SHOCK SENSORS AND BIOFILM ANALYSIS WILL BE APPLIED TO ANALYSE CHANNEL SAMPLES OF MONTORING BEDLOAD TRANSPORT ANSPORT BATES IND BTH VALLEYS SAMPLES OF MONTORING BEDLOAD TRANSPORT ANSPORT BATES AND METERORIC GOLOAD TRANSPORT ANSPORT BATES IND THE OR MONTORING BEDLOAD TRANSPORT ANSPORT BATES AND METERORIC DOGLOAD TRANSPORT ANSPORT BATES AND METERORIC DOGLOAD TRANSPORT ANSPORT BATES IND TH VALLEYS SAMPLES OF AND BIOFILM ANALYSIS WILL BE APPLIED TO ANALYSE CHANNEL SADRUCES OF INTERDED VARACE WATER AND SUSPENDED PARTICULATE MATERIAL COLLECTED ON FILTERS WILL BE COMPILED TO ESTIMATE THE PARTICULATE MATERIAL COLLECTED ON FILTERS WILL BE COMPILED TO ESTIMATE THE PARTICULATE MATERIAL COLLECTED ON F	веуцсн			SAMFUNNSFOR			01-01-09	01-01-13	RCN	NORWAY
193358	SedyMONT	DYNAMICS, CLIMATE AND TOPOGRAPHIC CHANGE IN MOUNTAIN LANDSCAPES (SEDYMONT) - ERDALEN AND	 INCLUSION IN FOOD-WEB ANALYSES THE PROPOSED PROJECT ADDRESSES KEY ISSUES RELATED TO THE TOPOLOGY AND FUNCTIONING OF FOOD WEBS WITH SPECIAL EMPHASIS ON THE ROLE OF PARASITES, USING SUBARCTIC LAKES AS A MODEL SYSTEM. TWO CONTRASTING BUT COMPUMENTARY APPROACHES ARE EMPLOYED; THE FIRST BEING RELATED TO THE ESTABLISHMENT AND ANALYSIS OF THE DETAILED STRUCTURE OF A WHOLE-LAKE FOOD WEB INCLUDING PARASITES IN A SUBARCTIC LAKE ECOSYSTEM, AND THE ESTABLISHMENT AND ANALYSIS OF THE DETAILED STRUCTURE OF A WHOLE-LAKE FOOD WEB INCLUDING PARASITES IN A SUBARCTIC LAKE ECOSYSTEM, AND THE LATTER TO THE INVESTIGATIONS OF A KEY SUB-WEB INTERACTION MODULE (FISH PREDATORS, THEIR PREY AND THEIR TROPHICALLY TRANSMITTED PARASITES) IN TIME (LONG-TERM WITHIN-LAKE VARIATIONS) AND SPACE (BETWEEN-LAKE VARIATIONS). THE ADOPTED FRAMEWORK FACILITATES IN-DEPTH EXPLORATION OF THE IMPORTANCE OF THE FOCUS OF THIS NORWEGIAN INDIVIDUAL PROJECT (JP 5) WITHIN SEDYMONT IS ON THE ERDALEN AND BEDALE (DUANTITATIVE KNOWLEDGE ON THE ONGOING RESEARCH IN BOTAL OS UQUANTITATIVE KNOWLEDGE ON THE ONGOING RESEARCH IN DATA ON SUBJOAY SEDIMENT AND SOLUTF FLUXES AS WELL AS SEDIMENT SOURCES, DENUDATION RATES AND METEOROLOGICAL AND TOPOGRAPHIC / LANDSCAPE MORPHOMETRIC CONTROLS OF DENUDATIVE PROCESS ARTES WITH NEW CONAL ON SUBJOARTINGLS OF DENUDATIVE TROPOSESS AND SUBCES, DENUDATION RATES AND METEOROLOGICAL AND TOPOGRAPHIC / LANDSCAPE MORPHOMETRIC CONTROLS OF DENUDATIVE TROPOSES AND SUBJENED FOR ANALYSE STANDELS TABLITY' AND BEDLOAD TRANSPORT NATES IN BOTH VALLEYS. SKNSORS AND BIOHIM ANALYSIS WIL BE APPLIED TO ANALYSE CHANGLE STABLISTY (MOBILITY AND BEDLOAD TRANSPORT RATES IN BOTH VALLEYS. SANDELS OF FILTERED SUFFACE COMPILED TO ESTIMATE THE PARTICULATE ANTANEL STABLISTY (MOBILITY AND BEDLOAD TRANSPORT RATES IN BOTH VALLEYS. SANDELS OF FILTERED SUFFACE COMPILED TO ESTIMATE THE PARTICULATE AND DISOLVED LOADS OF RUNOFF FROM THE ERDALSBEEN GLACER IN BROALEN AND THE BEDOLADD ON FILTE SUBLESSING AND COMPOSITION OF LAKE SEDIMENTS WILL BE	BEYLICH			SAMFUNNSFOR			01-01-09	01-01-13	RCN	NORWAY
193358	SedyMONT	DYNAMICS, CLIMATE AND TOPOGRAPHIC CHANGE IN MOUNTAIN LANDSCAPES (SEDYMONT) - ERDALEN AND	INCLUSION IN FOOD-WEB ANALYSES. THE PROPOSED PROJECT ADDRESSES KEY ISSUES RELATED TO THE TOPOLOGY AND FUNCTIONING OF FOOD WEBS WITH SPECIAL EMPHASIS ON THE ROLE OF PARASITES, USING SUBARCTIC LAKES AS A MODEL SYSTEM. TWO CONTRASTING BUT COMPLIMENTARY APPROACHES ARE EMPLOYED; THE FIRST BEING RELATED TO THE INVESTIGATIONS OF THE DETAILED STRUCTURE OF A WHOLE-LAKE FOOD WEB INCLUDING PARASITES IN A SUBARCTIC LAKE ECOSYSTEM, AND THE LATTER TO THE INVESTIGATIONS OF A KEY SUB-WEB INTERACTION MODULE (FISH PREDATORS, THEIR PREY AND THEIR TROPHICALLY TRANSMITTED PARASITES) IN TIME (LIONG-TERM WITHIN-LAKE VARIATIONS) AND SPACE (IERVEN-LAKE VARIATIONS). THE ROOPTED FRAMEWORK FACILITATES IN-DEPTH EXPLORATION OF THE IMPORTANCE OF THE FOCUS OF THIS NORWEGIAN INDIVIDUAL PROJECT (IP 5) WITHIN SED/MONT IS ON THE RDALEN AND BØAGLEN CATCHMENTS (TRIBUTARY STREAMS) IN NORDFJORD, WESTERN NORWAY. BOTH VALLEYS PROVIDE, BASED ON THE ONGOING RESEARCH IN BOTH CATCHMENTS, EXCELLENT OPPORTUNITIES TO INTEGRATE EXISTING AND DATA ON SUB;DAY SEDIMENT AND SOLUTE FLUXES AS WELL AS SEDIMENT SOURCES, DENUDATION RATES AND METEROROLOGICAL AND TOPOGRAPHIC /LANDSCAPE MORPHOMETRIC CONTROLS OF DENUDATIVE PROCESSES. IN ADDITION TO STANDARD METHODS FOR MONTORING BEDLOAD TRANSPORT, INNOVATIVE ETCHNIQUES, SAMPLES OF MONTORING BEDLOAD TRANSPORT, INNOVATIVE TECHNIQUES, CHANNEL SHOCK SENSORS AND BIOFILM ANALYSIS WILL BE APPLIED TO ANALYSE CHANNEL SAMPLES OF MONTORING BEDLOAD TRANSPORT ANSPORT BATES IND BTH VALLEYS SAMPLES OF MONTORING BEDLOAD TRANSPORT ANSPORT BATES AND METERORIC GOLOAD TRANSPORT ANSPORT BATES IND THE OR MONTORING BEDLOAD TRANSPORT ANSPORT BATES AND METERORIC DOGLOAD TRANSPORT ANSPORT BATES AND METERORIC DOGLOAD TRANSPORT ANSPORT BATES IND TH VALLEYS SAMPLES OF AND BIOFILM ANALYSIS WILL BE APPLIED TO ANALYSE CHANNEL SADRUCES OF INTERDED VARACE WATER AND SUSPENDED PARTICULATE MATERIAL COLLECTED ON FILTERS WILL BE COMPILED TO ESTIMATE THE PARTICULATE MATERIAL COLLECTED ON FILTERS WILL BE COMPILED TO ESTIMATE THE PARTICULATE MATERIAL COLLECTED ON F	веушсн			SAMFUNNSFOR			01-01-09	01-01-13	RCN	NORWAY

197378	COMINING MULTI- COMPARTMENT SAMPLER AND GEOPHYSICAL TECHNIQUES FOR MONITORING CONTAMINANT TRANSPORT IN SOILS	POLUTION OF SOILS A WIDESPREAD PROBLEM AND IS AN IMPORTANT PART OF THE STILL TO BE IMPIENTENTS OIL DRIECTIVE (EU). SOULT TRANSPORT IS STRONGLY AFFECTED BY HETEROGENEITY. THIS EFFECT NEEDS TO BE UNDERSTODO TO IMPROVE RISK ASSESSMENT, MONITORING, AND TREATMENT STRATEGIES FOR NATURAL ATTENUATION IN AN OPTIMAL WAY BOTH ENVIRONMENTALLY AND COST EFFECTIVE.V. THIS PROJECT AIMS AT DEVELOPMENT OF INTEGRATE DTECHNOLOGIES AND MODELLING TOOLS FOR SOIL CONTAMINATION ASSESSMENT AND SITE CHARACTERISATION AT THE SCALE OF MANAGEMENT DECISIONS (FIELD SCALE).EMULTI,TEMPORAL RESOLUTION DATAOF CONTAMINANT TRANSPORT PROVIDED BY THE MCS AT FIELD SCALE BEEN COMBINED WITH DIFERENT GEOPHYSICAL METHODS. IN THIS PROJECT THE MCS WILL BE MODIFIED ON BEET THE INEES FOR MORE FLURIE USE AND BE COMBINED WITH 2D GEOPHYSICAL TECHNIQUES. THE MCS WILL BE EQUIPPED WITH INSTRUMENTATION FOR GEOPHYSICAL MEASUREMISTS, AND MCS WATER SAMPLES WILL PROVIDE GROUND TRUTH FOR THE GEOPHYSICAL METHODS. IN THIS PROPOSAL INNOVATIVE INTEGRATION OF MCS AND GEOPHYSICAL TECHNIQUES, AND DOBLELING, VILL BE USED TO IMPORY PROVEY OUR PROCESS UNDERSTANDING OF CONTAMINANT TRANSPORT AND FOR OVER DEPHYSICAL TECHNIQUES, AND DOBLELING, WILL BE USED TO IMPORY OUR PROCESS UNDERSTANDING OF CONTAMINANT TRANSPORT AND FOR OPTIMISING		ESTHER FORSKER	BIOFORSK JORD OG MILIØ ÅS	01-01-10	31-07-14	RCN	NORWAY
207700	REFERENCE CONDITIONS FOR PHOSPHORUS RUNOFF FROM FORESTED AREAS WITH ARABLE SOIL PROPERTIES (218902)	THE MAIN OBJECTIVE OF THIS PROJECT IS TO DEVELOP A METHODOLOGY TO ASSESS THE CONTRIBUTION OF PHOSPHORUS RUNOFF FROM LAV_#JR:RHS HOLLS, SOIL, DEVELOP AN IMPROVED METHODOLOGY AND MANAGEMENT TOOL FOR ESTIMATING BACKGROUND CONTRIBUTIONS OF IN AREAS DOMINATED BY CLAY-PHOSPHORUS. WATERS IN THESE AREAS ARE EXPECTED TO HAVE HIGHER REFERENCE LEVELS OF TOTAL PHOSPHORUS (TP), SEVERAL BARTEMENT PLANS TO REDUCE TP FROM AGRICULTURAL STREAMS HAVE POINTED OUT THAT THE PRESENTLY ASSUMED REFERENCE CONDITIONS ARE BASED ON INSUFFICIENT KNOWLEDGE. THE RESULT MAY BE TOO STRICT GOALS, WITH SUBSEQUENT REQUIREMENTS FOR ABATEMENT MEASURES AND, THUS, NEGATIVE ECONOMICAL CONSEQUENCES FOR THE AGRICULTURAL SECTOR.#THE REOJECT WILL SEEK TO ASSESS REFERENCE CONDITIONS OF PHOSPHORUS THROUGH MORE THAN ONE APPROACH TO DEVELOP A ROBUST METHODOLOGY AND MANAGEMENT TOOL FOR FINDING REFERENCE CONDITIONS OF THE OF IN NORWAY, AND ALSO BE OF INTEREST IN OTHER EUROPEAN CONTRIBUT. THE PROJECT WILL REVILLATIONS FOR THE MISE MEDIATIONS OF THE WED IN NORWAY, AND ALSO BE OF INTEREST IN OTHER EUROPEAN COUNTRIES. THE PROJECT WILL REVIL THAT I HAS TLASS TOR PHOSPHEN SOLENTIFIC PAPERS, AND POPULARIZED INFORMATION WILL ALSO BE PRIORED SOLITIFICE PAPERS, AND POPULARIZED INFORMATION WILL ALSO BE PRIORTIZED SO THAT		MARIANNE FORSKER	BIOFORSK	01-01-12	31-12-16	RCN	NORWAY
183360	VANN: TOWARDS A BETTER UNDERSTANDING OF BLOOM- FORMING TOXIC CYANOBACTERIA	BLOOMS OF TOXIC CYANOBACTERIA ARE A MAIN CONSEQUENCE OF FRESHWATER EUTROPHICATION. DESPITE CONSIDERABLE RESEARCH EFFORTS, THE BLOOM FORMING CAPACITY OF CYANOBACTERIAL TOXINS IN NATURE ARE STILL WEAKIV UNDERSTOOD. THIS CAUSES DUCERTAINTES IN PLANNING LAKE RESTORATION AND PREVENTS PREDICTION OF HEALTH AND ECOLOGICAL RISKS. THE GAPS IN KNOWLEDGE ALSO PRESENT A MAJOR OBSTACLE IN MEETING THE DEMAND OF THE LU WATER FRAMEWORK DIRECTIVE TO REDUCE THE LEVEL OF EUTROPHICATION UNTL 2015, WHICH IN MANY LAKES WILL REQUIRE EFFECTIVE MANAGEMENT OF CYANOBACTERIAL TERSTER FRAMEWORK DIRECTIVE TO REDUCE THE LEVEL OF EUTROPHICATION UNTL 2015, WHICH IN MANY LAKES WILL REQUIRE EFFECTIVE MANAGEMENT OF TOXIC CYANOBACTERIAL RESEARCH BY CONSIDERING THE LATELY DISCOVERED CO-OCCURRENCE OF DISTINCT ECOTYPES WITHIN CYANOBACTERIAL POPULATIONS. NOVEL GENETIC AND BIOCHEMICAL METHODS, ALLOWING FOR THE RIRST TIME FILE JSTUDIES AT ECOTYPE LEVEL, WILL BE ESTABLISHED AND USED TO LILUMINATE THE EFFECTS DE UTROPHICATION, LAKE RESTORATION AND NATURAL ENVIRONMENTAL FLUCTUATIONS. UTILSING HISTORICAL AND NEWLY COLLECTOR SAMPLES, THE FORGICT WILL COVER A TIME PERIOD OF UP TO SOVEARDS. THE PROBABILITY OF SUCCESS IS INCREASED BY INVOLVING A NUMBER	ROHRLACK	THOMAS FORSKER	NORSK INSTITUTFOR VANNFORSKNI NG	01-01-08	01-01-13	RCN	NORWAY
183762	FORURENS: EFFECTS-DIRECTED IDENTIFICATION OF EMERGING SUBSTANCES	IDENTIFYING NEW ENVIRONMENTAL POLLUTANTS IS ONE OF THE GREATEST CHALLENGES THAT FACES ENVIRONMENTAL SCIENTISTS. THIS PROPOSAL WILL DEVELOP AND APPLY DAVANCED EFFECTS DIRECTED ANALYSIS (EDA) TECHNIQUES THAT WILL INTEGRATE MODERN QUANTITATIVE RECEPTOR BASED REPORTER ASSAYS WITH ADVANCED ANALYTICAL CHEMISTRY. TO IDENTIFY EMERING SUBSTANCES IN SAMPLES COLLECTED FROM THE NORWEGIAN ENVIRONMENT AF THROUGH THE DEVELOPMENT OF AN INTERNATIONALLY RENOWNED GROUP OF SCIENTIST AN UNIQUE LEARNING ENVIRONMENT HAS BEEN CREATED FOR A PHD CANDIDATE WHOM WILL DEVELOP AND APPLY THE TECHNIQUES. SAMPLES ROOM THE ARTIC, UPLAND RARES AND NORWAYS LAGEST LAKE WILL BE FIRST SCREENED USING RECEPTOR BASED IN VITRO ASSAYS AND EDA USED TO IDENTIFY THE COMPOLINDS RESPONSIBLE. THE OUTPUT WILL BE A LIST OF EMERGING SUBSTANCES KNOWN TO OCCUR IN THE NORWEGIAN ENVIRONMENT AND HAVE SPECIFIC ECTOXICIOJOCIL EFFECTS (ESTROGENIC, ANTI-ESTROGENIC, ANDROGENIC, ANTI-ANDROGENIC, THYROID HORMONE RECEPTOR AGONISTS AND ANTAGONISTS, ANTIBIOTCAND DIOXIN-LIKE TOXIC EFFECTS). THE OUTPUT WILL BE O OUTSTANDING VALLE TO MONITORING AUTHORITIES AND THE ENVIRONMENTAL SCIENCE COMMUNITY AT LARGE.		KEVIN V. FORSKNINGSLE DER	NORSK INSTITUTT FOR VANNFORSKNI NG	01-03-08	01-04-14	RCN	NORWAY

183986	CPmonitor	VANN: ADVANCED	APHANOM	IYCES ASTACI IS A SPECIALIZED PARASITE ON NORTH AMERICAN	VRÅLSTAD	TRUDE	VETERINÆRINS	Г	17-11-08	08-02-13	RCN	NORWAY
		MONITORING OF THE INTRODUCED CRAYFISH PLAGUE (APHANOMYCES ASTACI) FOR IMPROVED MANAGEMENT OF ENDANGERED FRESHWATER CRAYFISH	RESUITED NORTH AM AND ESTAI FRESHWAT SUFFER GR DISSAES, A OUTBREAM CRAFFER PREVIOUS DEVELOPE INVOLVES INSTITUTI	THE CRAYISH, ACCIDENTAL INTRODUCTION OF A. ASTACI TO EUROPE MERICAN CARRIER CRAYISH PLAGUE (CP). LATER INTRODUCTIONS OF MERICAN CARRIER CRAYISH PLAGUE (CP). LATER INTRODUCTIONS OF MERICAN CHARLER CRAYISH TO EUROPE HAS ACCELERATED CP SPREAD SUSHED CONSTANT INFECTION RESERVOIRS. DUE TO CP, EUROPEAN MERICANFISH ARE ENDANGERED, AND THE CRAYISH BUSINESSES LEAT ECONOMICAL LOSSES. IN NORWAY, CP IS LISTED AS A GROUP A ND INTRODUCTION OF CARRIER CRAYISH IS PROHIBITED. SEVERAL SO CP CH HAVE WIPED OLT NORWEGIAN POPULATIONS OF NOBLE AND ELIGALLY INTRODUCED CARRIER CRAYISH WAS RECENTLY CROWING EVIDENCE INIOLATE HAT CP MAY PERSIST LONGER THAN LY THOUGHT, WHICH COMPLICATES RE;GENOTYPES WILL BE D IN COLLABORATION WITH ACTIVE PROJECT PARTNERS. THE PROJECT COLLABORATION WITH REVIEW DATIONAL AND INTERNATIONAL DNS THAT WILL ENSURE NEEDED COMPETENCE, PROVIDE RELEVANT EAS, AND ENHANCE RESEARCH NETWORKING.		FORSKER	ΤΙΤΟΤΤΕΤ					
184002	BIOCLASS- FRESH	VANN: BIOLOGICAL INDICATORS FOR CLASSIFICATION OF ECOLOGICAL STATUS IN FRESHWATER	BIOLOGIC: IN RIVERS PROJECT V FURTHER I AND ACIDI BENTHIC A INCLUDE II MACROPH DATA WILL TO VALIDA DIFFERENT POTENTIAL CURVES OI RESULTS W CLASSES O ELEMENTS	OBJECTIVE OF BIOCLASS-FRESH IS TO DEVELOP AND VALIDATE AL INDICATORS SUITABLE FOR CLASSFICATION OF ECOLOGICAL STATUS AND LAKES IN LINE WITH THE EUWATER FRAMEWORK DIRECTIVE. THE WILL BUILD UPON THE RESULTS OF RECENT PROJECTS AND EXPAND 31 POCUSING ON STILL MISSING INDICATORS FOR EUTROPHICATION FICATION OF RIVERS AND LAKES, SUCH AS PHYTOPLANKTON BLOOMS, LIGAE, ITTORAL INVERTEBRATES AND FISH. THE PROJECT WILL AS IN DIACATORS FOR WHORMONE/DIACIGAL PRESSURES ON YTES, BETHIC FAUNA AND FISH. EXISTING AND NEW MONITORING BE COMPLED AND ANALYSED, INCLUDING PALEOF-COLOGICAL DATA TRE REFERENCE CONDITIONS FOR SELECTED INDICATORS. A SERIES OF 'STATISTICAL AND MODELLING TECHNIQUES WILL BE USED TO DIDENTIFI THESHOLDS AND TO QUANTIFI'T HE UNCERTAINT' IN THE RESPONSE THE INDICATORS ALONG THE DIFFERENT PRESSURE GRADIENTS. THE FEOLORIDED AND TO QUANTIFI'T HE UNCERTAINT' IN THE RESPONSE THE INDICATORS ALONG THE DIFFERENT PRESSURE GADIENTS. THE FEOLOGICAL STATUS FOR THE SELECTED BIOLOGICAL QUALIFY AND TO ESTIMATE UNCERTAINTY OF VARIOUS WAYS OF COMBINING RENT METRICS INTO A HOLISTIC CLASSIFICATION OF WATER BODIES.	SOLHEIM ,	ANNE LYCHE FORSKNINGSLE DER	NORSK INSTITUTT FOR VANNFORSKNI NG		02-01-08	31-03-13	RCN	NORWAY
190028	EUTROPIA	TVERS: WATERSHED EUTROPHICATION MANAGEMENT THROUGH SYSTEM ORIENTED PROCCSS MODELLING OF PRESSURES, IMPACTS AND ABATEMENT ACTIONS.	IMPROVUE LEVEL NEE MEETING I (WFD). BO CCATCHME LOCA. AW USING THE MONITOR KNOWLED POLICY RE TO MONT UNDERSTA LEVELS AM ACCURATE RESPONSE OF SUSTAIL UNCERTAIL	SESSMENT OF CHANCES IN ENVIRONMENTAL PRESSURES REQUIRES b) SYSTEM AND PROCESS UNDERSTANDING TO REACH THE KNOWLEDG DED FOR SUSTAINABLE WATER RESOURCE MANAGEMENT AS WELL AS UTURE DEMANDS FROM THE EU WATER FRAMEWORK DIRECTIVE TH CONVENTIONAL AND WE'D RESOURCE MANAGEMENT REQUIRE A NT,SUPPORT TOOL IN CONCLUDING, THE SOCIETAL RESPONSE TO HOW D PROVINCIAL GOVERNMENT DEAL WITH EUTROPHICATION IS STUDIED EAYES MODEL THE PROJECT THEREBY COMPILE RESEARCH AND ING PROJECTS AT MORSA, BUILD ON CONCLUSIONS AND IDENTIFIED EVAYS MODEL EITHE PROJECT HANS ARE FIRST TO INCREASE OUR ABILITY OR NUTRIENT FRACTIONS ENABLING US TO DETAIN A BETTER NUNG OF THE CATCHMENT MEANS ARE FIRST TO INCREASE OUR ABILITY OR NUTRIENT FRACTIONS ENABLING US TO DETAIN A BETTER NUNG OF THE CATCHMENT PRACTICESSES GOVERNING VARIATION IN D FLUXES OF NUTRIENT. THEREBY WE WILL ACHIEVE A MORE PARAMETERISATION OF CONCEPTUALIY BASED IMPACT OF AND PREDICTION MOLES. THE NEXT AIM IS TO FACILITATE DEVELOPMENT NABLE MANAGEMENT PRACTICES BY ESTIMATING THE INTEGRATED NITES LINKED TO HIL IMPLIED ABATEMENTAL IMPACTS AS WELL AS A RESPONSES TO THE IMPLIED ABATEMENTAL IMPACTS AS WELL AS	VOGT	ROLF DAVID PROFESSOR	KIEMISK INSTITUTT, UNIVERSITETET I OSLO		01-01-09	31-08-13	RCN	NORWAY
196270	ENPERA	FORURENS: ENGINEERED NANOPARTICLE INTERACTIONS WITH THE ENVIRONMENT TOWARDS A BETTER UNDERSTANDING OF THE RISK THEY POSE	ONE DIME INCREASIN OF ATTENT ENGINEER AVAILABLE THEIR RELL HOUSEHOU PROPOSAL EXPOSUBE THROUGH ENVIRONN EXERTE FFT WILL ENPS FATE OF S WHETHER THE TECHT	ED NANOPARTICLES (ENPS) ARE SYNTHETIC PARTICLES WITH AT LEAST NSION - 100 NM IN SIZE. THEIR USE INDESPREAD, VARIED AND IS G ALL OF THE TIME. ALTHOUGH THER IS A CONSIDERABLE AMOUNT TION CURRENTLY BEING PAID TO THE BEHAVIOUR AND EFFECTS OF ED ENPS, THERE IS STILL ONLY LIMITE SOLD INFORMATION I. TI S CLEAR THAT MAN'S USE OF NANOMATERIALS WILL RESULT IN EASE INTO THE ENVIRONMENT GIVEN THAT THEY ARE PRESENT IN DEADOUTS AND ARE INDEED ENTERING THE ENVIRONMENT. THIS WILL SEEK TO BETTER UNDERSTAND THE FATE AND SUBSCUENT OF ENPS IN TORER TO IMPROVE PHING THAT HEAT AND SUBSCUENT THE FOLLOWING OBJECTIVES. <sup>3</sup> IL WHICH FACTORS INFLUENCE THE MENTAL FATE AND BEHAVIOUR OF ENVISIONMENTAL RISK ASSESSMENTS THE FOLLOWING OBJECTIVES. <sup>3</sup> IL WHICH FATT ANTAN DE BEHAVIOUR OF ENVISION MENTAL RISK ASSESSMENTS INFLUENCE THE EFFECTS OF CONVENTIONAL CONTAMINANTSPA. THE ELECTED ENPS IN WASTEWATER TREATMENT PLANTS. <u>B</u> S. ASSESS NANO; INVESTIGATORS, OR. BENDER'S MONING FROM NIVA TO ICAL UNIVESTIGATORS, OR. BENDER'S MANG'S, MANGYNG FROM NIVA TO INCLU WINESTIGATORS, OR. BENDER'S MANG'S, AN EXPERT IN ITER TREATMENT, WILL LEAD THE WASTEWATER FATE EXPERIMENTS	THOMAS	KEVIN V. FORSKNINGSLE DER	NORSK INSTITUTT FOR VANNFORSKNI NG		01-03-10	31-12-13	RCN	NORWAY

196295	MERINO	FORUBENS: ENVIRONMENTAL MERCURY IN NORWAY: BIOGEOCHEMICAL, MICROBIOLOGICAL AND BIOACCUMULATION PROCESSES DRIVING INCREASED MERCURY IN FISH	BRAND NEW RESULTS FROM A SURVEY OF MERCURY (HG) CONCENTRATIONS IN FRESH WATER (FISH IN SOUTH-EASTERN NORWAY SHOW A HIGHLY SIGNIFICANT TREND TOWARDS INCREASING HG IN FISH, DESPITE DECREASING ATMOSPHERIC DEPOSITION. THE PROJECT WILL INVESTIGATE POSSIBLE DRIVERS FOR THIS APPARENT CONTRADICTION. DRIVENS MAY BE INCREASING CONCENTRATIONS OI DISSOLVED ORGANIC MATTER (DOM) AND INCREASED MOBILIZATION OF METHYI MERCURY (MEHG), INCREASED LENGTH OF THE SEASON WITH SUITABLE CONDITIONS FOR BACTERIA MEDIATED MERCURY METHYLATION, SHIFTS IN THE FOOD WEB STRUCTURE AND INCREASED SUPPLIE ROOL INTE SOLS AND SEDIMENTS WHERE METHYLATION OCCURS. INCREASES IN CONCENTRATIONS OF DDM AND TEMPERATURE MAY ALSO INCREASED SUEDHUR POOL INCLEASED CONCENTRATIONS OF DOM AND TEMPERATURE MAY ALSO INCREASE NET IN-LAKE METHYLATION BECAUSE OF REDUCED PHOTO-DEMETHYLATION (LESS LIGHT) AND ENHANCHED MICROBIAL METHYLATION. ADDITIONALLY, INCREASED CONCENTRATIONS OF DOM AND MEHG MAY GIVE INCREASED ACCUMULATION OF MEHG AT THE ENTR LEVEL OF THE FOOD WEB, E.G. THROUGH INCREASED USE OF DOM SCARDON SQURCE FOR AQUATIC ORGANISMS AND CHANGES IN THE STRUCTURE, HABITAT PREFERENCES AND PHYSIOLOGICAL RATES IN THE FOOD WEB. THE PROJECT IS ORGANIZED IN SIX INTELINKED ACTIVITIES: A COMPLEMENTARY SURVEY OF HG	F	THORUMAN FORSKNINGSLE DER	NORSK INSTITUTT FOR VANNFORSKNI NG		01-04-10	30-06-13	RCN	NORWAY
196318	alterREACH	FORURENS: NON-ANIMAL (ALTERNATIVE) TESTING METHODS FOR REACH	THE REGISTRATION, EVALUATION, AUTHORISATION AND RESTRICTION OF CHEMICAL SUBSTANCE (REACH) IS THE NEW EUROPEAN COMMUNITY REGULATION ON CHEMICALS AND THER SAFE USE. STIMATES INDICATE THAT A' MUCH AS 30,000 SINGLE CHEMICALS MAY BE REQUIRED TO BE REGISTERED WITH A POTENTIALLY RISK ASSESSMENT REQUIREMENT BASED ON SUBSTANCE;DISCIPLINARY AND HIGHLY INTEGRATED WITH PARTNERS FROM KEY ENVIRONMENTAL INSTITUTES IN GERMANY, UNITED KINGOOM, SWITZERLAND AND NORWAY WILL AND THE PROJECT WILL BE LEAD BY THE NORWEGIAN INSTITUTE FOR WATER RESEARCH (NIVA). THE PROPOSED PROJECT WILL SUPPOR BOTH RESEARCH BY ESTABLISHED RESEARCH GROUPS AS WELL AS EDUCATION OF ONE PHO AND 3 MS. CS. STUDENT DE BU ORKING IN THE DIFFERENT COLLABORATING LABORATORIES.	т	KNUT-ERIK FORSKER	NORSK INSTITUTT FOR VANNFORSKNI NG		01-08-10	31-12-14	RCN	NORWAY
196332		VANN: ALLEE EFFECTS IN ATLANTIC SALMON CAUSED BY PARASITE INFESTATION AND INTERSPECIFIC HYBRIDISATION WITH BROWN TROUT	WE PROPOSE TO INVESTIGATE THE POSSIBILITY THAT STRONG REDUCTION OF ATLANTIC SALMON (SALMO SALAR) POPULATION SIZES CAUSED BY INFESTATION OF THE PARASITE GYRODACTYLUS SALARIS, COUPLED WITH INCREASING RATES O INTERSPECIFIC HYBRIDISATION BETWEEN ATLANTIC SALMON AND BROWN TROU (S. TRUTTA), MIGHT LEDA SALMON POPULATIONS INTO LOCAL ENTLOTICION BY POSITIVE DENSITY; TERM AFFECTED RIVERS. THE PROJECT WILL BE CARRIED OUT BY AN INTERNATIONALLY STRONG RESERACH TEAM OF FISH POPULATIONS ECOLOGISTS AND GENETICISTS, PARASITOLOGISTS, EVOLUTIONARY BIOLOGISTS, BIOSTATISTICIANS AND MODELLERS, AND WILL RECRUIT RESEARCH PERSONNEL AT THE PHO AND POSTDOC LEVELS.		KJETIL FORSKNINGSSJE F	STIFTELSEN NORSK INSTITUTT FOR NATURFORSKNI NG NINA		01-01-10	30-06-13	RCN	NORWAY
196336	COMSAT	VANN: BIODIVERSITY, COMMUNITY SATURATION AND ECOSYSTEM FUNCTION IN LAKES	EMPIRICAL AND THEORETICAL RESULTS INDICATE THAT HIGH BIODIVERSITY INCREASES THE ADAPTABILITY TO CHANGE, THE PREDICTABILITY OF ECOSYSTEM SERVICES, AND THE RESISTANCE TO BIOLOGICAL INVASIONS. LAKES ARE IDEAL SYSTEMS FOR TESTING PREDICTIONS AND RESPONSES RELATED TO BIODIVERSITY SINCE THEY ARE UNITS WITH WELL/SCALING BY PREDICTIVE MODELING TOOLS. STATISTICAL MODELING WILL ALSO BE USED TO DISENTANGLE EFFECTS OF MULTIPLE STRESSORS LIKE EUTROPHICATION, CLIMATE CHANGE, AND INVADING SPECIES ON THE ECOSYSTEM SERVICES OF LAKES.	ANDERSEN	TOM FØRSTEAMANU ENSIS	UNIVERSITETET B I OSLO II	SIOLOGISK NSTITUTT	01-03-10	28-02-13	RCN	NORWAY
196407	WAPABAT	SAMFUNN: WATER POLLUTION ABATINENT IN A SYSTEM OF MULTH-LEVE GOVERNANCE: A STUDY OF NORWAY'S IMPELENENTATION OF EUS WATER FRAMEWORK DIRECTIVE	THERE IS NEED FOR SCIENTIFIC KNOWLEDGE AND COMPETENCE RELATED TO THE IMPLEMTATION OF THE WFD IN NORWAY. THE ECOSSYSTEM AND CROSSLEVEL SYSTEM OF GOVERNANCE, OUR STUDY WILL EXAMINE THE COMPLETE CHAIN OF IMPLEMENTATION OF THE WFD, FROM THE STARTING POINT AT THE SUPRA NATIONAL EUL LEVEL AND DOWN TO THE REGIONAL AND LOCAL LEVELS. THE STUDY ADRESSES FOUR MAIN RESEARCH QUESTIONS: 1. IN WHAT WAYS DO THE WFD DIRECTIVE AND EU EXECUTIVE BODIES (I.E. CIS) STRUCTURE AND CONTRIBUTE TO THE PRACTIAL DOMESTIC IMPLEMENTATION PROCESS? HOW DOES THE RELATIONSHIP BETWEEN THE PRINCIPLE OF HOMOGENOUS IMPLEMENTATION AND THE NEED FOR LOCAL AND EORCAILVENT OTHERENTATION NAD THE NEED FOR LOCAL AND EORCAILVENT IMPLEMENTATION PACOSSES FACULTATE BY THE ORGANIZATIONAL MODELS USED BY THE SUB DISTRICTS AND RBD? 3. WHAT CHARACTERISES THE SPECIFIC PROBLEM CONSTELLATIONS OF THE SUB DISTRICTS IN STUDY, AND HOW DOES THIS AFFECT THE ORGANISATION, ACTIVE INVOLVENTO OF INTERES THE SPECIFIC PROBLEM CONSTELLATIONS OF THE SUB DISTRICTS IN STUDY, AND HOW DOES THIS AFFECT THE ORGANISATION, ACTIVE INVOLVENTO OF INTERES THE SPECIFIC PROBLEM CONSTELLATIONS OF THE SUB DISTRICTS IN STUDY, AND HOW DOES OD THE SUB DISTRICTS AND RBD? 3. WHAT CHARACTERISES THE SPECIFIC PROBLEM CONSTELLATIONS OF THE SUB DISTRICTS IN STUDY, AND HOW DOES OTH IS AFFECT THE ORGANISATION, ACTIVE INVOLVEMENT OF INTERES GROUPS, IMEASURES AND GOAL ATTAINMENT OF THE WFD? A WHAT ACTUAL MEASURES DO THE SUB DISTRICTS TAKE TO DETAIN THE AMSO OF THE WFD? OF THE WFD? HOW APPROPRIATE AND ADEQUATE ARE THESE MEASURES FOR IMPROVED WATER APROPRIATE AND ADEQUATE ARE THESE MEASURES FOR IMPROVED WATER	KLAUSEN	JAN ERLING FORSKER	NORSK INSTITUTT FOR BV- OG REGIONFORSKN ING		01-07-10	30-06-13	RCN	NORWAY

196420		VANN: GENETIC AND ENVIRONMENTAL FACTORS INFLUENCING PATHOGENICITY IN THE INTERACTION BETWEEN GYRODACTULUS SALARIS AND ITS SALMONID HOSTS	THIS PROJECT SEEKS TO EVALUATE THE FACTORS CONTRIBUTING TO PATHOGENICITY OF GYRODACTULUS SLARISI IN INFECTIONS OF NORWEGIAN SALMON. PATHOGENICITY IS A RESULT OF HOST AND PARASITE GENOTYPES, AN OF THE INTERACTION OF EACH OF THESE FACTORS WITH ENVIRONMENTAL FACTORS. PREVIOUS WORK ON G. SLARIS PATHOGENICITY HAS FOCUSSED ON THE IMPORTANCE OF HOST GENOTYPE, IN PARTICULAR RESEARCHING THE DIFFERENT OUTCOMES OF INFECTIONS WITH THE SUDTHERN NORWEGIAN LER STRAIN OF G. SALARIS WITH A RANGE OF DIFFERENT SALMON STOCKS. IN THIS PROJECT WE WILL UTILISE A WIDER RANGE OF OGENETICALLY CHARACTERISED G. SALARIS STRAINS, INCLUDING A NORTH NORWEGIAN SALMON PATHOGENIC STRAIN, THE PALSBUFIORDEN CHARR INFECTING STRAIN AND A RAINBOW TROU INFECTING STRAIN. LIFETIME ERFORDUCTIVE OUTPOT OF WORMS ON A RANGE OF SALMONID STOCKS WILL BE CALCULATED UNDER COMMON GARDEN LABORATORY CONDITIONS. THE ENVIRONMENT IN WHICH PARASITES ARE MAINTAINED WILL BE MODIFIED TO EXAMINE THE EFFECT OF ENVIRONMENT AL PARASITE POPULATION GROWTH AND SEXUALITY. THE ENVIRONMENTAL FACTORS WHICH WILL BE MODIFIED TO EXAMINE THE EFFECT OF ENVIRONMENTAL PARASITE POPULATION GROWTH AND SEXUALITY. THE ENVIRONMENTAL FACTORS WHICH WILL BE MODIFIED TO EXAMINE THE EFFECT OF ENVIRONMENTAL	r	PHILIP PROFESSOR	NATURHISTORI SK MUSEUM, UNIVERSITETET I OSLO		01-10-10	30-09-14	RCN	NORWAY
209666	PFC-ChiNo	POLYFUUGRINATED COMPOUNDS: ARE POINT SOURCES CONTAMINATING THE ENVIRONMENT, CHINO)	THE PROPOSED PROJECT IS ANMING TO INVESTIGATE THE IMPACT OF PPC EMISSIONS FROM INDUSTRIAL POINT SOURCES ON THE SURROUNDING ENVIRONMENT. BOTH IN COASTAL AND TERRESTINAL INDUSTRIAL AREAS HUMAI POOD ITEMS ARE HARVESTED CLOSE BY. PPCS ARE KNOWN TO BE TAKEN UP BY ANIMALS AND PLANTS AND CAN ALREADY BE FOUND IN A VERY BROAD VARIETY OF HUMAN DIET ITEMS. PPCS ARE USED IN CHINA AND NORWAY INDUSTRIALLY I CONSIDERABLE AND INCREASING AMOUNTS WITH EMISSIONS NOT WELL UNDERSTOOD. AGRICULTURAL AREAS, DRINNING WATER RESERVOIRS AND FISHERY GROUNDS ARE EXPOSED TO PPC EMISSIONS FROM POINT SOURCES BOT IN NORWAY AND CHINA. KNOWLEDGE IS REQUIRED. 10 O THE DEGREE AND CHARACTERISTICS OF THE PPC EMISSIONS, INO NTHE OTENTIAL UPTAKE INTO CROPS, VEGETABLES, DRINNING WATER RAND ANIMASI III) ON EXPOSUBLE TO HUMANS LIVING CLOSE TO POTENTIAL POINT SOURCES FROM FOOD ETC., AND I BY LOCAL STAKEHOLDERS AND DECISION MARERS CONCERNING RISKS AND MANAGEMENT OPTIONS. BOTH COUNTRIES WOULD GREATU'R BENEFIT FROM A COMBINED EFFORT IN INDENTIFYING AND CHARACTERISING POSSIBLE PPC EMISSIONS AND FIND SOLUTIONS TO MINIMISS THE FREFERCT ON THE HUMAN POPULATION. BEDURING THE PROJECT, DATA ON PPC POLLUTION CAUSED BY	N 4	DORTE SENIOFORSKE R	LUFTFORSKNIN G	NILU - STIFTELSEN NORSK INSTITUTT FOR	01-11-11	31-12-14	RCN	NORWAY
209687	SinoTropia	WATERSHED EUTROPHICATION MANAGEMENT IN CHINA HIROUGH SYSTEM ORIENTED PROCESS MODELLING OF PRESSURES, IMPACTS AND ABATEMENT ACTIONS.	IMPACT ASSESSMENT OF CHANGES IN ENVIRONMENTAL PRESSURES REQUIRES CONCEPTUAL SYSTEM AND PROCESS UNDERSTANDING IN ORDER TO REACH THE KNOWLEDGE LEVEL RELEVANT FOR SUSTAINABLE WATER RESOURCE MANAGEMENT. THIS REQUIRES A CATCHMENT-ORIENTED APPROACH TO INTEGRATE PROCESSS. THE YUQIAO RESERVOIR IS THOROUGHLY STUDIED SITE WITH LONG DATA RECORDS. USING A DPSIR APPROACH ON ITS EUTROPHICATIO PROBLEM WE SET OUT TO DESIGN AND COMDUCT COHERENT AND SYNOPTIC FIELD MONITORING AND SURVEY OF FLUXES OF NUTRIENT FRACTIONS, THEREBY LAYING THE BASIS FOR AN ASSESSMENT OF CATCHMENT HYDRO- BIOGEOCHEMICAL PROCESSES GOVERNING MOBILISATION, TRANSPORT, AND FATE OF DIFFERINT FRACTIONS OF PHOSPHORUS. ON THIS BASIS WE MAY UNTANGLE THE EFFECTS OF CHANGING ENVIRONMENTAL DRIVERS SUCH AS CHANGES IN CLIMATE AND LAND-USE. THIS IS USED TO ADAPT, PARAMETERIZE AND OPTIMIZE EXISTING CATCHMENT [SWAT] AND LAKE (MYLAKE) MODELS TO SIMULATE ENVIRONMENTAL RESPONSE TO CHANGES IN PRESSURES AND DEVELOP A METHOD FOR PRE-WARNING OF TOXIC ALGAL BLOOM INCIDENCES. WE WILL LASO IMPROVE OUR UNDERSTANDING GOVERITIVE SAN PRESSURES AND		RQLF DAVID PROFESSOR	KEEMISK INSTITUTT, UNVERSITETET I OSLO		01-07-11	30-06-14	RCN	NORWAY
212885	Urban WATCH	LAND: CULTURAL HERITAGE AND WATER MANAGEMENT IN URBAN PLANNING	NORWEGIAN CULTURAL HERITAGE MANAGEMENT IS KNOWN FOR ITS LEADING ROLE WITH REGARDS TO IN-STU PRESERVATION OF ARCHAEOLOGICAL DEPOSIT AND PROTECTION OF INDVIDUAL MONUMENTS AND STES. HOWEVER, NORWEGIAN URBAN SURFACE - AND GROUNDWATER MANAGEMENT IS INTERNATIONALIY LAGGING BEININD ON IMPELEMENTATION OF INDVOATIVE SUSTAINABLE SOLUTIONS AS WELL AS IMPROVEMENT OF LEGISLATIVE ISSUES. THIS ALSO LEADS TO TENSION IN LOCAL PLANNING SYSTEMS, ESPECIALLY IN URBAN AREAS. CULTURAL HERITAGE PROTECTION CAN OFTEN BE RELATEDTO WATER. ETHER WATER AS A PRESERVING AGENT OF VULNERBALE ORGANIC DEPOSITS OR FOUNDATIONS, OR WATER AS A FACTOR THAT MAY STABILSE ON DESTABILSE THE GROUND THAT BEARS OUR BUILDINGS AND MONUMENTS. CULTURAL HERITAGE PROTECTION OF THAT MAY STABILSE OR DESTABILSE THE GROUND THAT BEARS OUR BUILDINGS AND MONUMENTS. CULTURAL HERITAGE PROTECTION IS THEREFORE OFTEN RELATED TO SURFACE - AND GROUNDWATER MANAGEMENT. THIS POSES A THREAT, CERTAINLY IN VIEW OF CLIMATE CHANGE AND THE CURRENT NEED TO ADAPTATION IN URBAN WATER SYSTEMS. THE CHALLENGE IS TO ENHANCE URBAN WATER MANAGEMENT PRACTSE, AND ITEGRATE CULTURAL HERITAGE MANAGEMENT FAILY IN URBAN WATER SYSTEMS. THE CHALLENGE IS TO ENAVOIL OSS OF CULTURAL VALUES BY FACULTATION THIS INTEGRATION, URBAN WATCH WILCONTRIBUTE IN SAFEGULARDING VULNERABLE CULTURAL HERITAGE ABOVE AND BELOW THE	r T	TONE MERETE FORSKER	NORSK INSTITUTT FOR VANNFORSKNI NG		01-04-12	31-03-15	RCN	NORWAY

221373		FORURENS: IS THE COCKTAIL EFFECT OF EVIRONMENTAL CONTAMINANTS A THREAT FOR ARCTIC FISH POPULATIONS?	IT IS WELL KNOWN THAT THE ARCTIC IS BEING AFFECTED BY A RANGE OF CONTAMINANTS, AND THAT LEVELS IN TOP PREADTORS ARE HIGH ENOUGH TO CAUSE EFFECTS. WHILE WE ARE RAPIDLY GAINING AN UNDERSTANDING OF HOW INDIVIDUAL CONTAMINANTS AFFECT COMMUNITIES, INVESTIGATIONS OF THE EFFECTS OF DIVERSE CONTAMINANT MIXTURES IN AQUATIC COMMUNITIES ARE RARE. MANY STUDIES ON ARCTIC ORGANISMS HAS SHOWN CORRELATIONS BETWEEN CONTAMINANT CAUCENTRATIONS AND DIFFERENT PHYSIOLOGICAL RESPONSES, BUT THE ACTUAL CAUSE : EFFECT RELATIONSHIP IS USUALLY NOT IDENTIFIED, AND IT IS NOT CLEAR WHICH CONTAMINANCE OF ARCTIC CHARR (SAUVELINUS AUBLICTIVE OF THE PROJECT PROPOSED HERE IS TO INVESTIGATE HOW CONTAMINANT CONCENTLA SHOW CONSED HERE IS TO INVESTIGATE HOW CONTAMINANT CONCENTLA SHOW CONSED HERE IS TO INVESTIGATE HOW CONTAMINANT COCKTAILS AFFECT THE PERFORMANCE OF ARCTIC CHARR (SAUVELINUS ALPHINS), AS WELL AS HOW POSSIBLE INTERACTIONS BETWEEN DIFFERENT CONTAMINANTS AFFECT THE OBSERVED RESPONSES, WE INTEND TO USE A COMBINED A PROACH, USING IN VITRO TESTS AND FILEDBASED STUDIES, TO INCREASE THE KNOWLEDGE CONCERNING EFFECTS OF CONTAMINANT COCKTAILS ON ARCTIC ANIMALS. THE FILEDSTUDIES WILL BE CARRIED OUT IN TWO LAKES ON BIGMORY'S. LAKE ELLASIGVEN HAU CAKE LAKSYNT. THE TWO LAKES ARE LOCATED IN CLOSE PROXIMITY, BUT HAVE VERY DIFFERENT	EVENSET	ANITA RESEARCHER	AKVAPLAN NIVA AS		01-01-13	31-12-15	RCN	NORWAY
221391	NanoCharM	FORURENS NANOPARTICLE CHARACTERISATION IN ENVIRONMENTAL MEDIA: LINKING EXPOSURE TO EFFECTS	DESPITE THE RESEARCH INITIATIVES TAKEN DURING THE PAST DECADE, THERE REMAINS A CONSIDERABLE AMOUNT OF UNCERTAINTY ABOUT THE TOXICITY OF NANOPARTICLES (INFS) RELEASED INTO THE ENVIRONMENT, ONE OF THE MAJOR SOURCES OF UNCERTAINTY IN ECOTOXICOLOGICAL TESTIS ITHE SHORTAGE OF DATA ON CHEMICAL CHARACTERIZATION OF NP IN ENVIRONMENTAL AND EXPOSURE MEDIA. OUR CENTRAL HYPOTHESIS IS THAT THIS LACK OF KNOWLEDGE IS UNDERMINING THE ROBUSTINESS OF ECOTOXICOLOGICAL STUDIES. WITHOUT THIS INFORMATION, THE EFFECTS OF PIC AND BE ITHER UNDER OR OVERESTIMATED, RESULTING IN A LACK OF CONTIDENCE IN THE SCIENTIFIC RESULTS. THE PROLET PROPOSES TO ADDRESS TO ADDRESS THIS ISSUE THROUGH THE DEVELOPMENT AND APPLICATION OF METHODS AND EXPERIMENTAL PROTOCOLS FOCUSED SPECIFICALLY ON THE DETECTION AND CHARACTERIZATION OF NP IN TEST MEDIA. WE WILL USE THREE CONTRASTING TYPES OF NPS; STUDIES TO COMPARE THE BIOAVAILABILITY AND EFFECTS OF NANOPARTICLES AND IONIC SPECIES IN TEST ORGANISMS. THEO UTPUTS OF THE PROLECT WILL BE DOCUMENTATION OF METHOD THE DUTPUTS OF THE PROLECTION LES AND INIC SPECIES AND DINCE SPECIES IN TEST ORGANISMS. THEO UTPUTS OF THE PROLECTIVILE BADIDIONIC SPECIES IN TEST ORGANISMS. THEO UTPUTS OF THE PROLECTIVILE BADIDIONIC SPECIES IN TEST ORGANISMS. THEO UTPUTS OF THE PROLECTIVILE BADIDIONIC SPECIES IN TEST ORGANISMS. THEO UTPUTS OF THE PROLECTIVILE BADIDIONIC SPECIES IN TEST ORGANISMS. THEO UTPUTS OF THE PROLECTIVILE BADIDIONIC SPECIES IN TEST ORGANISMS. THEO UTPUTS OF THE PROLECTIVILE BADIDIONIC SPECIES IN TEST ORGANISMS. THEOLOGICICAL INS ASSESSIONT.	OUGHTON	DEBORAH HELEN PROFESSOR	UNIVERSITETET FOR MILIØ- OG BIOVITENSKAP		01-03-13	31-12-16	RCN	NORWAY
221393		VANN ; EVOLUTIONARY ECOLOGY AND HYDOROLOGY - THE EFFECTS OF STREAM FLOW DYNAMICS ON THE WHITE- THROATED DIPPER	IN THIS PROJECT, WE TAKE AN INTERDISCIPILINARY APPROACH AND USE A NOVEL METHOD OF SIMULATING DAILY HYDROLOGICAL RUNDER ON A SMALL SPATIAL SCALE AND APPLY IT TO AN EXCLUSY E LONG-TERM STUDY OF BREEDING WHITE THROATED DIPPERS CINCLUS CINCLUS, THIS PROPOSAL PROVIDES A UNIQUE OPPORTUNITY TO UNDERSTAND HOW VARIATION IN THE KEY LOCAL ENVIRONMENT AFFECTS THE ECOLOGY AND EVOLUTION OF A TOP PREDATOR OF FRESHWATER ECOSYSTEMS. FLOODS, DROUGHTS AND FREEZING OF THE RIVER OCCUR ON A SMALL SPATIAL SCALE DETERMINED BY THE LOCAL HYDRO. METEOROLOGY AND TOPOGRAPHY AND CAN HAVE SEVERE CONSEQUENCES INFLUENCING THE ECOLOGY AND THE EVOLUTIONARY PROCESSES. WATER FLOW DYMAMICS ALSO HAS POTENTIAL TO CHANGE DUE TO CLIMATE CHANGE AS WELL AS DUE TO RIVERIBE BASIN REGULATIONS CAUSED BY HYDROPOWER PRODUCTION. WE THEREORDER PROPOSE TO ANALYSE HOW ENVIRONMENTAL VARIATION IN TERMS OF WATER FLOW DYMAMICS (B1) AFFECT BREEDING PRAMMETERS AND TERRITORY COLYPANY, (B2) DETERMINE THE AMOUNT OF HOW BIRDS PRECIVEL HABITAT QUALITY, (B2) DETERMINE THE AMOUNT OF PHENOTYPIC PLASTICITY AND ESTIMATE SELECTION AND HERTABILITY, (B3) INCLUDING KNOWLEDGE OF POPULATION AND HERTABILITY, (B3) INCLUDING KNOWLEDGE OF POPULATION ARE COMPOSITION, INFLUENCE THE	NILSSON	ANNA	UNIVERSITETET I OSLO	INSTITUTT FOR BIOVITENSKAP	25-09-13	24-09-16	RCN	NORWAY
221398	ECOREG	WATER: ECOSYSTEM RESPONSES TO DIFFERENT REGULATION REGIMES (ECOREG)	HYDROPOWER PRODUCTION, DESPITE BEING PRESENTED AS A CLEAN SOURCE OF ENERGY, FUNDAMENTALLY TRANSFORMS RIVERS, WITH CONCOMITANT CONSEQUENCES FOR RIVER ECOSYSTEMS. ECOREG AIMS AT DETECTING THE RESPONSES OF PRIMARY PRODUCERS (BENTHIC FLORA) AND PRIMARY CONSUMERS (BENTHIC KACGNOWERTEBRATES) TO DIFFERENT HYDROLOGIC REGIMES IN RIVERS IN NORWAY. WE WILL FOLDS ON BENTHIC INVERTEBRATES AND BENTHIC FLORA, BECAUSE BOTH ARE MANDATORY ORGANISM GROUPS WITH RESPECT TO THE WFD. IN ADDITION, DIFFERENT HYDROLOGIC REGIME ARE EXPECTED TO HIGHLY IMPACT THESE ORGANISMS, WHILE AT THE SAME TIME HE ECOLOGICAL CONSEQUENCES ARE POORLY UNDERSTOOD. WE WILL (STUDY THE EFFECTS OF DETAILED AND CONTINUOUSLY RECORDED HYDROLOGIC REGIME ON SPECIES ASSEMBLIES AND TRAITS AT AO REGULATED AND UNREGULATED RIVER SITES, IJ STUDY BASIC ECOSYSTEM FUNCTIONS, LE. FOOD WEB STRUCTURE AND ENERGY AND NUTRIENT FLOW IN EXPREIMENTAL FLUMES, AND THEIR REACTION TO CHANGES IN HYDROLOGIC REGIME ASSEMBLIES AND NAITS AND BASITS AND INTIG STUDY ESTORED SUFLICATION AND SPECIES ASSEMBLIES AND TRAITS BASED ON EXISTING DATA ON BIOLOGY AND WATER CHEMISTRY, WHICH WE WILL SUPPLY WITH INFORMATION ON HYDROLOGIC	SCHNEIDER	SUSANNE	NORSK INSTITUTT FOR VANNFORSKNI NG		01-04-13	31-03-16	RCN	NORWAY

	1												
221400	Salmotrack 2013-2016	VANN: MODELING OCEAN MIGRATION OF ATLANTIC SALMON (SALMOTRACK 2013- 2016)	S SI P T T T N N T N N N N N V O O V V V	HE OPEN OCEAN MIGRATION IS THE MAIN PRODUCTION PHASE OF ATLANTIC ALMON, BUT LAISO THE LEAST UNDERSTODO OF THE SPECIES LIFE CYCLE. ONLY MALL ECOSYSTEM CHANGES AFFECTING GROWTH AND SURVIVAL CAN HAVE RAMATIC EFFECTS, AS SEEN FOR THIS SPECIES IN THE LAST YEARS. MAPPING THE OPULATION SPECIFIC MARINE FEDING AREAS AND UNDERSTANDING THE EMPORAL AND SPATIAL FACTORS AFFECTING SALMON ROUNDERSTANDING THE HERFORE PROBABILY THE BIGGEST CHALLENGES IN SALMON ECOLOGY TODAY. IEV DEVELOPMENT WITHIN SATELLITE TRACKING TECHNOLOGY HAS NOW FOR HE FIRST TIME MADE IT POSSIBLE TO TRACK OCEAN MIGRATING SALMON WITH INITURIZED POPS/CALE PROJECT, COMBINED WITH EXTENSIVE NATIONAL AND VERMATIONAL COOPERATION AND ONE POSTDOC POSITION, THE PRESENT ROJECT AIM TO J MODEL THE INDIVIDUAL COMPLETE MIGRATION PATTERNO FO ALMON FROM DIFFERENT LOCATIONS AROUND AND IN THE NORTH ATLANTIC CEAN. WE WILL FURTHER 2) ANALYSE THE VERTICAL DIVING PATTERNA SAND MODEL MARINE GROWTH, AS WELLAS 3) SETIMATE THE MAIN AREA AND TIME PF MORTALITY AND DIENTING YEAS ONE SEA BIRD COLONES CAN ASSIST IN MAKING ALMON SENTING YEASING SE OF SEA BIRD COLONES CAN SASST IN MAKING ALMON SURVIVAL PROGNOSIS. IN SUM THE SUGGESTED PROJECT WILL ADD	RIKARDSEN	AUDUN HĂVARD	UNIVERSITETET I TROMSØ	FAKULTET FOR BIOVITENSKAP	FISKERI OG ØKONOMI	01-03-13	29-02-16	RCN	NORWAY
221410	BIWA	BIODIVERSITY MANAGEMENT AND THE WATER FRAMEWORK DIRECTIVE UNDER CLIMATE CHANGE	G D A C B T T P B A E E C C I I I E E C C C C C C C C C C B B C C C C B B C C C C B B C	IEASURES TO BE TAKEN IN ORDER TO RESTORE FRESHWATER ECOSYSTEMS TO OOD ECOLOGICAL STATUS, AS REQUIRED BY THE WATER FRAMEWORK INECTIVE (WFD) NEED TO CONSIDER FUTURE CIMANEE. THE DIVERSITY ND POPULATION STRUCTURE OF AQUATIC ORGANISMS ARE AFFECTED BY UMATE THROUGH PHYSICOLINEAR THRESHOLD RELATIONSHPS BETWEEN OLOGICAL QUALITY ELEMENTS AND PRESSURES. WE WILL THEN SUBSEQUENTLY EST IF CUMATE CHANGE SCENARIOS ALTER PHYSICAL AND CHEMICAL ROPERTES OF WATER BODIES TO AN EXTERT WHERE ECOLOGICAL CLASS OUNDARIES ARE LIKELY TO BE CROSSED, AND ASSESS HOW MANAGEMENT CTIONS COULD MITIGATE ENVIRONMENTAL IMPACTS IN ORDER TO MEET GOOD COLOGICAL STATUS SET BY STATIC REFERENCE CONDITIONS. WE BELIEVE THIS OULD BE DIRECTLY APPLICABLE ALSO TO OTHER SYSTEMATIC GROUPS, NOTABLY VIRTIBERATES. THE PROJECT WILL BE CARRIED OUT SA S JOINT RESEARCH FFORT BETWEEN MAJOR NORWEGIAN AND SWEDISH INSTITUTIONAL PLAYERS IN THE SUBJECT, AND BENEFT FROM SYNERGIES WITH INITIATED OLLABORATION BETWEEN NINAS AND NIVAS STRATEGIC INSTITUTE INITIATIVES IN CLABORATION BETWEEN NINAS AND NIVAS STRATEGIC INSTITUTE INITIATIVES IN CLAMARE.	FINSTAD	ANDERS GRAVBRØT	STIFTELSEN NORSK IINSTITUTT FOR NATURFORSKNI NG NINA			01-03-13	29-02-16	RCN	NORWAY
221454	RIVERCONN	HYDROPOWER AND CONNECTIVITY IN INLAND RIVERS	R U D E E R R C P A A C A T T I G T T I I I G T T P	HE IMPLEMENTATION OF THE EU WATER FRAMEWORK DIRECTIVE (WFD) EQUIRES PRESERVATION OR IMPROVEMENTS OF THE ECOLOGICAL STATUS IN ARGE RIVERS DEVENCEPE OF RH VTROR ELECTRICAL PURPOSES. RIVERCONN IS ESIGNED TO ADDRESS KEY R&D CHALLENGES REQUIRED TO ACHIEVE GOOD COLOGICAL POTENTIAL (GEP) OR STATUS (GES) ACCORDING TO WFD IN EGULATED RIVERS. THIS IS OBTAINED BY INVESTIGATING EVOLUTIONARY AND ESULENCE CONSEQUENCES FOLLOWING REDUCED OR LOST CONNECTIVITY AUSES BY HYDROPOWER INSTALLATIONS. THE PRIMARY OBJECTIVE IS TO ROVIDE NEW AND FUNDAMENTAL KNOWLEDGE TO DISENTANGLE CRITERIA TO SSES GEP AND GES BY INVESTIGATING ECOLOGICAL AND FOVLUTIONARY ONSEQUENCES FOLLOWING CONNECTIVITY CHANGE EXPERIENCED BY GRAVLING ON BROWN TROUT IN LARGE REGULATED RIVERS. SECONDARY OBJECTIVES ARE 0 J ISTABLISH BASIC KNOWLEDGE ON THE EFFECTS OF FRAGMENTATION VELICTED BY HYDROPOWER DAMS ON ECOSYSTEM FUNCTIONALITY ON RAVING AND TROUT, JD ZENEL IEH ENISTRY VARIATIONS, SPECIES;CONCEPT IN HE CONTEXT OF BALANCING SOCIETY7S COSTS AND BENEFITS REGARDING RESERVATION OF CONNECTIVITY FOR GRAVIING AND TROUT AND ANTENANCE OF SUFFICIENT HYDROPOWER INSTANCED AND TO THE STATION AND RESERVATION OF CONNECTIVITY FOR GRAVING AND TROUT AND MENTENDATE OF SUFFICIENT HYDROPOWER INSTANCED AND TO THE AND TO THE DISTANCE AND TO THE MISTRY PORDOLUCTION. IT IS ANTICIPATED ANTENANCE OF SUFFICIENT HYDROPOWER PORDUCITION AND TROUT AND RESERVATION OF CONNECTIVITY FOR GRAVING AND TROUT AND RESERVATION OF CONNECTIVITY FOR GRAVING AND TROUT AND RESERVATION OF CONNECTIVITY FOR GRAVING AND TROUT AND	MUSETH	NOI	STIFTELSEN NORSK INSTITUTT FOR NATURFORSKNI NG NINA			01-01-13	31-12-15	RCN	NORWAY
221455	EDRISK	ADVERSE OUTCOME PATHWAYS FOR ENDOCRINE DISRUPTION IN DAPHINIA MAGNA, A CONCEPTUAL APPROACH FOR MECHANISTICALLY-BASED RISK ASSESSMENT	EI A EI P A K V V II N O O R R V V II N O C O T T	NDOCRINE DISRUPTORS (ED) HAVE RECEIVED CONSIDERABLE SCIENTIFIC TTENTION AND IT IS TODAY COMMONLY ACCEPTED THAT A NUMBER OF KOGENOUS COMPOUNDS HAVE THE POTENTIAL TO INTERFERE WITH THE NDOCRINE SYSTEM OF ANIMALS AND POTENTIALLY PERTURB VITAL ENDOCRINE ROCESSES TO A DEGREE CAUSING AN ADVERSE APICAL EFFECT (OUTCOME) SOCIATED WITH GROWTH, DEVELOPMENT AND REPRODUCTION. ALTHOUGH NOWLEDGE OF ED EFFECTS HAVE BEEN PREDOMINANTLY DEMONSTRATED IN ERTERARTES, REPORTS OF ED EFFECTS IN MOLUSCS AND CRUSTACEANS HAVE VIRODUCED A NEED TO THOROUGHLY ASSESS POTENTIAL ED EFFECTS IN ION/BASZED RIXK ASSESSMENT OF SINCLE COMPOUNDS AND COMPLEX MIXTURES IF THESE. THIS WILL BE ACHIEVED BY 1) IDENTIFICATION OF ED TARGETS IN D. MAGNA, 2) DEVELOP AND EVALUATE AN AOP FOR ED EFFECTS IN D. MAGNA, 3) EFERMINE THE ROBUSTNESS AND APPLICABILITY OF THE AOP AND 4) ASSIS EGULATORY DEVELOPMENT OF AOP FOR PREDICTIVE RISK ASSESSMENT. THE RODICT WILL USE STATE OF THE ART METHODS IN REDICTIVE COMPUTATIONAL), IN VITRO AND IN VIVO EXPERIMENTIAL APPROACHES, OXICOGENOMICS, HISTOPATHOLOGY, ANALYTICAL CHEMISTRY AND	TOLLEFSEN	KNUT-ERIK RESEARCHER	NORSK INSTITUTT FOR VANNFORSKNI NG			01-04-13	31-03-16	RCN	NORWAY

222159	GLACINDIA	WATER RELATED EFFECTS OF	THE GLACINDIA PROJECT, UNDER THE AGREEMENT OF COOPERATION IN SCIENCE	NESJE	ATLE	UNI RESEAR	СН	01-05-13	30-04-16	RCN	NORWAY
		CHANGES IN GLACIER MASS	& TECHNOLOGY BETWEEN THE GOVERNMENTS OF INDIA AND NORWAY, THE		PROFESSOR	AS					
		BALANCE AND RIVER RUNOFF	DEPARTMENT OF SCIENCE AND TECHNOLOGY (DST) OF THE GOVERNMENT OF								
		IN WESTERN HIMALAYA, INDIA:	INDIA AND THE RESEARCH COUNCIL OF NORWAY (RCN), SEARCHES FUNDING FOR								
		PAST, PRESENT AND FUTURE	JOINT AND COOPERATIVE RESEARCH ON WATER RELATED EFFECTS OF CHANGES								
		(GLACINDIA)	IN MASS BALANCE OF GLACIERS/RIVERS. GLACINDIA WILL STRENGTHEN								
		(GEACINDIA)									
			ESTABLISHED AND ONGOING RESEARCH ACTIVITIES BETWEEN THE PARTNERS AND								
			MAKE SIGNIFICANT SCIENTIFIC CONTRIBUTIONS AND ADDED VALUE TO THESE								
			ACTIVITIES. EFFECTIVE AND TARGETED DISSEMINATION OF THE RESULTS TO								
			GOVERNMENTAL AGENCIES, STAKEHOLDERS AND THE GENERAL PUBLIC IS HIGHLY								
			PRIORITIZED. THE PROJECT INCLUDES: (A) ARRANGING EXCHANGE VISITS (FIELD								
			TRIPS AND CONFERENCES/ WORKSHOPS/MEETINGS) OF INDIAN AND NORWEGIAN								
			SCIENTISTS TO THE COUNTERPART COUNTRY, (B), FUNDING OF 2 POST DOCS, AND								
			TRAINING OF YOUNG SCIENTISTS TO PROMOTE KNOWLEDGE TRANSFER AMONG								
			PROJECT PARTNERS. THIS PROPOSAL DRAWS ITS RESEARCH ACTIVITIES ON AN								
			EXISTING PARTNERSHIP BETWEEN NORWAY AND INDIA (TERI-ART SCIENCE AND								
			KNOWLEDGE TRANSFER. WE AIM AT REDUCING UNCERTAINTIES IN ONE REGION								
			OF WESTERN HIMALAYA BY A COMBINATION OF FIELD DATA OF GLACIER MASS								
222195	HyCAMP	INDNOR: HYDROLOGIC	THIS PROPOSAL OUTLINES A SERIES OF ACTIVITIES DESIGNED TO RAISE THE	BURKHART	JOHN FORSKER	NILU -	1 1	01-06-13	31-05-16	RCN	NORWAY
222155	TIY CAIVIT	SENSITIVITY TO CRYOSPHERE-	CURRENT LEVEL OF UNDERSTANDING REGARDING THE HYDROLOGIC SENSITIVITY	DOMINIAN	JOHNTONSKEN	STIFTELSEN		01-00-15	51-05-10	iii iii	NORWAT
		AEROSOL INTERACTION IN				NORSK					
			IN THE HINDU KUSH, KARAKORAM AND HIMALAYAN (HKKH) MOUNTAIN SYSTEM								
		MOUNTAIN PROCESSES	TO INTERACTION BETWEEN AEROSOLS AND THE CRYOSPHERE AND TO EXTEND			INSTITUTT F					
	1	(HYCAMP)	THAT KNOWLEDGE TO IMPLEMENT IMPROVED HYDROLOGIC FORECASTING FOR	I		LUFTFORSKN	NIN		1		
	1		NORWAY. SPECIFICALLY, WE INTEND TO IDENTIFY KEY EMISSION SOURCES	1	1 1	G			1	1	1
	1		HAVING IMPACT ON THE HIMALAYAN CRYOSPHERE AND TO CONDUCT	1	1 1				1	1	1
	1		SENSITIVITY STUDIES TO EVALUATE THE IMPACT OF THE DIFFERENT LIGHT	I					1		
	1		ABSORBING AEROSOLS ON CRYOSPHERE, CLIMATOLOGICALLY.® @WATER	I					1		1
	1			I					1		1
	1		RESOURCES ARE CENTRAL TO NORWAY'S RENEWABLE ENERGY MARKET. RELIABLE	I					1		
			HYDROLOGICAL PREDITION IS NOT ONLY CRITICAL TO HYDROLOGIC AND ENERGY								
			SECURITY IN NORWAY BUT ALSO MAY PROVIDE SIGNFICANT FINANCIAL BENEFITS								
			FOR THE NORWEGIAN ENERGY MARKET. AEROSOL SOURCES FOR NORWAY ARE								
			PREDOMINANTLY REMOTE, SO THE EMPHASIS ON THE NORWEGIAN SIDE OF THE								
			STUDY WILL BE TO EXAMINE THE SENSITIVITY OF THE HYDROLOGIC SYSTEMS TO								
			AEROSOL INTERACTION. THROUGH MODEL STUDIES WE WILL IDENTIFY								
			DEFICIENCIES FOR ACCOUNTING FOR LIGHT ABOSRBING AEROSOL IN HYDROLOGIC								
			FORECASTING AND DEVELOP STRATEGIES TO ADDRESS THE GAPS. SPECIFIC								
			ACTIVITIES INCLUDE: *INTEGRATE STATE; BASED INVENTORY OF BLACK CARBON								
222259	NORDIC-LACS	POLLUTION - NORDIC LAKE	ENVIRONMENTAL EMISSIONS OF CYCLIC VOLATILE METHYL SILOXANES (CVMS) IN	WARNER	NICHOLAS	NILU - TRON	150	01-01-13	31-12-15	RCN	NORWAY
		EXPOSURE TO CYCLIC	EUROPE ARE ESTIMATED IN THE RANGE OF KILO-TONNES PER YEAR. WITH		ALEXANDER	NORSK					
		SILOXANES: ASSESSMENT OF	SEVERAL REPORTS DOCUMENTING HIGH CONCENTRATIONS IN THE AQUATIC		/ LEJO WOEN	INSTITUTT F	OR				
		TRANSPORT, DISTRIBUTION	ENVIRONMENT, CVMS HAVE COME UNDER EXTENSIVE REVIEW BY REGULATORY			LUFTFORSKN	NIN				
		AND FATE	BODIES WITHIN THE EUROPE (REACH) AND NORTH AMERICA (CANADIAN			G					
			CHEMICAL MANAGEMENT PLAN) REGARDING THEIR ENVIRONMENTAL								
			PERSISTENCE, BIOACCUMULATION, AND TOXICITY. HOWEVER, UNDERSTANDING								
			THEIR DISTRIBUTION AND FATE WITHIN THE AQUATIC ENVIRONMENT HAS BEEN								
			HINDERED BY UNRELIABLE METHODS FOR DETERMINING TRACE LEVELS IN WATER								
			AND SEDIMENT MATRICES. IN ADDITION TO THIS, ENVIRONMENTAL WINTER								
			CONDITIONS IN NORDIC REGIONS MAY SLOW REMOVAL/DEGRADATION								
	1		PROCESSES OF CVMS AND INCREASE THEIR PERSISTENCE AND EXPOSURE IN	1	1						
	1										
	1		AQUATIC ECOSYSTEMS. THIS PROPOSAL WILL DEVELOP SENSITIVE METHODS FOR								
	1		AQUATIC ECOSYSTEMS. THIS PROPOSAL WILL DEVELOP SENSITIVE METHODS FOR MONITORING THE DISTRIBUTION AND EXPOSURE OF CVMS AND APPLY THESE								
			MONITORING THE DISTRIBUTION AND EXPOSURE OF CVMS AND APPLY THESE NEW METHODS TO A NORDIC LAKE SYSTEM. DATA COLLECTED WILL BE USED TO								
			MONITORING THE DISTRIBUTION AND EXPOSURE OF CVMS AND APPLY THESE NEW METHODS TO A NORDIC LAKE SYSTEM. DATA COLLECTED WILL BE USED TO EVALUATE THE CAPABILITY OF ENVIRONMENTAL FATE AND TRANSPORT MODELS								
			MONITORING THE DISTRIBUTION AND EXPOSURE OF CVMS AND APPLY THESE NEW METHODS TO A NORDIC LAKE SYSTEM. DATA COLLECTED WILL BE USED TO EVALUATE THE CAPABILITY OF ENVIRONMENTAL FATE AND TRANSPORT MODELS TO PREDICT THE OBSERVED BEHAVIOUR OF CVMS UNDER DIFFERENT								
			MONITORING THE DISTRIBUTION AND EXPOSURE OF CVMS AND APPLY THESE NEW METHODS TO A NORDIC LAKE SYSTEM. DATA COLLECTED WILL BE USED TO EVALUATE THE CAPABILITY OF ENVIRONMENTAL FATE AND TRANSPORT MODELS TO PREDICT THE OBSERVED BEHAVIOUR OF CVMS UNDER DIFFERENT ENVIRONMENTAL CONDITIONS. ENILU IS AN INTERNATIONAL LEADER IN CVMS								
225462	FISHCON	BIODIVERSA: BIODIVERSITY	MONITORING THE DISTRIBUTION AND EXPOSURE OF CVMS AND APPLY THESE NEW METHODS TO A NORDIC LAKE SYSTEM. DATA COLLECTED WILL BE USED TO EVALUATE THE CAPABILITY OF ENVIRONMENTAL FATE AND TRANSPORT MODELS TO PREDICT THE OBSERVED BEHAVIOUR OF CVMS UNDER DIFFERENT	FINSTAD	ANDERS	STIFTELSEN		01-12-12	31-08-15	RCN	NORWAY
225462	FISHCON		 MONITORING THE DISTRIBUTION AND EXPOSURE OF CVMS AND APPLY THESE NEW METHODS TO A NORDIC LAKE SYSTEM. DATA COLLECTED WILL BE USED TO EVALUATE THE CAPABILITY OF ENVIRONMENTAL FATE AND TRANSPORT MODELS TO PREDICT THE OBSERVED BEHAVIOUR OF CVMS UNDER DIFFERENT ENVIRONMENTAL CONDITIONS. EMILUI SA NITERNATIONAL LEADER IN CVMS PRESENT MODELS PREDICTING BIODIVERSITY RESILENCE TO ENVIRONMENTAL	FINSTAD		STIFTELSEN NORSK		01-12-12	31-08-15	RCN	NORWAY
225462	FISHCON	SCENARIOS FOR FRAGMENTED	 MONITORING THE DISTRIBUTION AND EXPOSURE OF CVMS AND APPLY THESE NEW METHODS TO A NORDIC LAKE SYSTEM. DATA COLLECTED WILL BE USED TO EVALUATE THE CAPABILITY OF ENVIRONMENTAL FATE AND TRANSPORT MODELS TO PREDICT THE OBSERVED BEHAVIOUR OF CVMS UNDER DIFFERENT ENVIRONMENTAL CONDITIONS. ENLLU IS AN INTERNATIONAL LEADER IN CVMS PRESENT MODELS PREDICTING BIODIVERSITY RESILIENCE TO ENVIRONMENTAL CHANGE ARE ALMOST EXCLUSIVELY BASED ON APPROACHES THAT IGNORE	FINSTAD	ANDERS GRAVBRØT	NORSK	08	01-12-12	31-08-15	RCN	NORWAY
225462	FISHCON	SCENARIOS FOR FRAGMENTED LANDSCAPES FRESHWATER	 MONITORING THE DISTRIBUTION AND EXPOSURE OF CVMS AND APPLY THESE NEW METHODS TO A NORDIC LAKE SYSTEM. DATA COLLECTED WILL BE USED TO EVALUATE THE CAPABILITY OF ENVIRONMENTAL FATE AND TRANSPORT MODELS TO PREDICT THE OBSERVED BEHAVIOUR OF CVMS UNDER DIFFERENT ENVIRONMENTAL CONDITIONS. SINUL IS AN UNTERNATIONAL LEADER IN CVMS PRESENT MODELS PREDICTING BIODIVERSITY RESILIENCE TO ENVIRONMENTAL CHANGE ARE ALMOST EXCLUSIVELY BASED ON APPROACHES THAT IGNORE DISPERSAL UNITATIONS. NEVERTHELESS, SEVERAL RECENT SUDIES HAVE	FINSTAD		NORSK INSTITUTT F		01-12-12	31-08-15	RCN	NORWAY
225462	FISHCON	SCENARIOS FOR FRAGMENTED LANDSCAPES FRESHWATER CONNECTIVITY AND THE	 MONITORING THE DISTRIBUTION AND EXPOSURE OF CVMS AND APPLY THESE NEW METHODS TO A NORDIC LAKE SYSTEM. DATA COLLECTED WILL BE USED TO EVALUATE THE CAPABILITY OF ENVIRONMENTAL FATE AND TRANSPORT MODELS TO PREDICT THE OBSERVED BEHAVIOUR OF CVMS UNDER DIFFERENT ENVIRONMENTAL CONDITIONS. EMILUI IS AN INTERNATIONAL LEADER IN CVMS PRESENT MODELS PREDICTING BIODIVERSITY RESILENCE TO ENVIRONMENTAL CHANGE ARE ALMOST EXCLUSIVELY BASED ON APPROACHES THAT IGNORE DISPERSAL LIMITATIONS. NEVERTHELESS, SEVERAL RECENT STUDIES HAVE DEMONSTRATED THAT HABITAT CONNECTIVITY IS A KEY DETERMINANT OF	FINSTAD		NORSK INSTITUTT F NATURFORS		01-12-12	31-08-15	RCN	NORWAY
225462	FISHCON	SCENARIOS FOR FRAGMENTED LANDSCAPES FRESHWATER	 MONITORING THE DISTRIBUTION AND EXPOSURE OF CVMS AND APPLY THESE NEW METHODS TO A NORDIC LAKE SYSTEM. DATA COLLECTED WILL BE USED TO EVALUATE THE CAPABILITY OF ENVIRONMENTAL FATE AND TRANSPORT MODELS TO PREDICT THE OBSERVED BEHAVIOUR OF CVMS UNDER DIFFERENT ENVIRONMENTAL CONDITIONS. ENLUI IS AN INTERNATIONAL LEADER IN CVMS PRESENT MODELS PREDICTING BIODIVERSITY RESILIENCE TO ENVIRONMENTAL COHANGE ARE ALMOST EXCLUSIVELY BASED ON APPROACHES THAT IGNORE DISPERSAL LIMITATIONS. NEVERTHELESS, SEVERAL RECENT STUDIES HAVE DEMONSTRATED THAT HABITAT CONNECTIVITY IS A KEY DETERMINANT OF BIODIVERSITY RESPONSES TO ANTHROPOGENIC CHANGES OF LAND USE AND	FINSTAD		NORSK INSTITUTT F		01-12-12	31-08-15	RCN	NORWAY
225462	FISHCON	SCENARIOS FOR FRAGMENTED LANDSCAPES FRESHWATER CONNECTIVITY AND THE	MONITORING THE DISTRIBUTION AND EXPOSURE OF CVMS AND APPLY THESE NEW METHODS TO A NORDIC LAKE SYSTEM. DATA COLLECTED WILL BE USED TO EVALUATE THE CAPABILITY OF ENVIRONMENTAL FATE AND TRANSPORT MODELS TO PREDICT THE OBSERVED BEHAVIOUR OF CVMS UNDER DIFFERENT ENVIRONMENTAL CONDITIONS. BINLU IS AN INTERNATIONAL LEADER IN CVMS PRESENT MODELS PREDICTING BIODIVERSITY RESILIENCE TO ENVIRONMENTAL CHANGE ARE ALMOST EXCLUSIVELY BASED ON APPROACHES THAT IGNORE DISPERSAL LIMITATIONS. NEVERTHELESS, SEVERAL RECENT STUDIES HAVE DEMONSTRATED THAT HABITAT CONNECTIVITY IS A KEY DETERMINANT OF BIODIVERSITY RESPONSES TO ANTHROPOGENIC CHANGES OF LAND USE AND CLUMATE. THIS IS PARTICULARLY EVIDENT FOR ORGANISMS LIVING IN	FINSTAD		NORSK INSTITUTT F NATURFORS		01-12-12	31-08-15	RCN	NORWAY
225462	FISHCON	SCENARIOS FOR FRAGMENTED LANDSCAPES FRESHWATER CONNECTIVITY AND THE	MONITORING THE DISTRIBUTION AND EXPOSURE OF CVMS AND APPLY THESE NEW METHODS TO A NORDIC LAKE SYSTEM. DATA COLLECTED WILL BE USED TO EVALUATE THE CAPABILITY OF ENVIRONMENTAL FATE AND TRANSPORT MODELS TO PREDICT THE OBSERVED BEHAVIOUR OF CVMS UNDER DIFFERENT ENVIRONMENTAL CONDITIONS. EWILU IS AN INTERNATIONAL LEADER IN CVMS PRESENT MODELS PREDICTING BIODIVERSITY RESILIENCE TO ENVIRONMENTAL CHANGE ARE ALMOST EXCLUSIVELY BASED ON APPROACHES THAT IGNORE DISPERSAL LIMITATIONS. NEVERTHELESS, SEVERAL RECENT STUDIES HAVE DEMONSTRATED THAT HABITAT CONNECTIVITY IS A KEY DETERMINIANT OF BIODIVERSITY RESPONSES TO ANTHROPOGENIC CHANGES OF LAND USE AND CLIMATE. THIS IS PARTICULARLY EVIDENT FOR ORGANISMS LIVING IN RESHWATER WHERE THE DENDRITIC NETWORK STRUCTURE LEADS TO UNEVEN	FINSTAD		NORSK INSTITUTT F NATURFORS		01-12-12	31-08-15	RCN	NORWAY
225462	FISHCON	SCENARIOS FOR FRAGMENTED LANDSCAPES FRESHWATER CONNECTIVITY AND THE	 MONITORING THE DISTRIBUTION AND EXPOSURE OF CVMS AND APPLY THESE NEW METHODS TO A NORDIC LAKE SYSTEM. DATA COLLECTED WILL BE USED TO EVALUATE THE CAPABILITY OF ENVIRONMENTAL FATE AND TRANSPORT MODELS TO PREDICT THE OBSERVED BEHAVIOUR OF CVMS UNDER DIFFERENT ENVIRONMENTAL CONDITIONS. BINLU IS AN INTERNATIONAL LEADER IN CVMS PRESENT MODELS PREDICTING BIODIVERSITY RESILIENCE TO ENVIRONMENTAL CHANGE ARE ALMOST EXCLUSIVELY BASED ON APPROACHES THAT IGNORE DISPERSAL LIMITATIONS. NEVERTHELESS, SEVERAL RECENT STUDIES HAVE DEMONSTRATED THAT HABITAT CONNECTIVITY IS A KEY DETERMINANT OF BIODIVERSITY RESPONSES TO ANTHROPOGENIC CHANGES OF LAND USE AND CLUMATE. THIS IS PARTICULARLY EVIDENT FOR ORGANISMS LIVING IN	FINSTAD		NORSK INSTITUTT F NATURFORS		01-12-12	31-08-15	RCN	NORWAY
225462	FISHCON	SCENARIOS FOR FRAGMENTED LANDSCAPES FRESHWATER CONNECTIVITY AND THE	MONITORING THE DISTRIBUTION AND EXPOSURE OF CVMS AND APPLY THESE NEW METHODS TO A NORDIC LAKE SYSTEM. DATA COLLECTED WILL BE USED TO EVALUATE THE CAPABILITY OF ENVIRONMENTAL FATE AND TRANSPORT MODELS TO PREDICT THE OBSERVED BEHAVIOUR OF CVMS UNDER DIFFERENT ENVIRONMENTAL CONDITIONS. SINILU IS AN UTERNATIONAL LEADER IN CVMS PRESENT MODELS PREDICTING BIODIVERSITY RESILIENCE TO ENVIRONMENTAL CHANGE ARE ALMOST EXCLUSIVELY BASED ON APPROACHES THAT IGNORE DISPERSAL UNITATIONS. NEVERTHELESS, SEVERAL RECENT STUDIES HAVE DEMONSTRATED THAT HABITAT CONNECTIVITY IS A KEY DETERMINANT OF BIODIVERSITY RESPONSES TO ANTHROPOGENIC CHANGE SO E LAND USE AND CLIMATE. THIS IS PARTICULARLY EVIDENT FOR ORGANISMS LIVING IN FRESINVATER WHERE THE DENDRITIC ENTUDIES. IN THE PROPOSED PROJECT	FINSTAD		NORSK INSTITUTT F NATURFORS		01-12-12	31-08-15	RCN	NORWAY
225462	FISHCON	SCENARIOS FOR FRAGMENTED LANDSCAPES FRESHWATER CONNECTIVITY AND THE	 MONITORING THE DISTRIBUTION AND EXPOSURE OF CVMS AND APPLY THESE NEW METHODS TO A NORDIC LAKE SYSTEM. DATA COLLECTED WILL BE USED TO EVALUATE THE CAPABILITY OF ENVIRONMENTAL FATE AND TRANSPORT MODELS TO PREDICT THE OBSERVED BEHAVIOUR OF CVMS UNDER DIFFERENT ENVIRONMENTAL CONDITIONS. EMILUI IS AN INTERNATIONAL LEADER IN CVMS PRESENT MODELS PREDICTING BIODIVERSITY RESILENCE TO ENVIRONMENTAL CHANGE ARE ALMOST EXCLUSIVELY BASED ON APPROACHES THAT IGNORE DISPERSAL UMITATIONS. NEVERTHELESS, SEVERAL RECENT STUDIES HAVE DEMONSTRATED THAT HABITAT CONNECTIVITY IS A KEY DETERMINANT OF BIODIVERSITY RESPONSES TO ANTHROPOGENIC CHANGES OF LAND USE AND CLIMATE. THIS J PARTICULARLY EVIDENT FON GRADINSDA UNING IN RRESHWATER WHERE THE DENDRITIC NETWORK STRUCTURE LEADS TO UNEVEN DISPERSAL AMONG LOCALITIES AND SPECIES. IN THE PROPOSED PROJECT FISHCON WE WILL INVESTIGATE THE DYNAMIC LINK BETWEEN MANAGEMENT	FINSTAD		NORSK INSTITUTT F NATURFORS		01-12-12	31-08-15	RCN	NORWAY
225462	FISHCON	SCENARIOS FOR FRAGMENTED LANDSCAPES FRESHWATER CONNECTIVITY AND THE	MONITORING THE DISTRIBUTION AND EXPOSURE OF CVMS AND APPLY THESE NEW METHODS TO A NORDIC LAKE SYSTEM. DATA COLLECTED WILL BE USED TO EVALUATE THE CAPABILITY OF ENVIRONMENTAL FATE AND TRANSPORT MODELS TO PREDICT THE OBSERVED BEHAVIOUR OF CVMS UNDER DIFFERENT ENVIRONMENTAL CONDITIONS. EMILL IS AN UNTERNATIONAL LEADER IN CVMS PRESENT MODELS PREDICTING BIODIVERSITY RESILIENCE TO ENVIRONMENTAL CHANGE ARE ALMOST EXCLUSIVELY BASED ON APPROACHES THAT IGNORE DISPERSAL UNITATIONS. NEVERTHELESS, SEVERAL RECENT STUDIES HAVE DEMONSTRATED THAT HABITAT CONNECTIVITY IS A KEY DETERMINANT OF BIODIVERSITY RESPONSES TO ANTHROPOGENIC CHANGES OF LAND USE AND CLIMATE. THIS IS PARTICULARLY EVIDENT FOR ORGANISMS LIVING IN RESHWATER WHERE THE DENORTIC NETWORK STRUCTURE LEADS TO UNEVEN DISPERSAL AMONG LOCALITIES AND SPECIES. IN THE PROPOSED PROJECT FISHCON WE WILL INVESTIGATE THE DYNAMIC LUNG RETWEEN MANAGEMENT AND FUTURE BIODIVERSITY CENARIES USING INK BETWEEN MANAGEMENT	FINSTAD		NORSK INSTITUTT F NATURFORS		01-12-12	31-08-15	RCN	NORWAY
225462	FISHCON	SCENARIOS FOR FRAGMENTED LANDSCAPES FRESHWATER CONNECTIVITY AND THE	 MONITORING THE DISTRIBUTION AND EXPOSURE OF CVMS AND APPLY THESE NEW METHODS TO A NORDIC LAKE SYSTEM. DATA COLLECTED WILL BE USED TO EVALUATE THE CAPABILITY OF ENVIRONMENTAL FATE AND TRANSPORT MODELS TO PREDICT THE OBSERVED BEHAVIOUR OF CVMS UNDER DIFFERENT ENVIRONMENTAL CONDITIONS. EMILUI IS AN UTRENATIONAL LEADER IN CVMS PRESENT MODELS PREDICTING BIODIVERSITY RESILIENCE TO ENVIRONMENTAL CHANGE ARE ALMOST EXCLUSIVELY BASED ON APPROACHES THAT IGNORE DISPERSAL LIMITATIONS. NEVERTHELESS, SEVERAL RECENT STUDIS HAVE DEMONSTRATED THAT HABITAT CONNECTIVITY IS A KEY DETERMINANT OF BIODIVERSITY RESPONSES TO ANTHROPOGENIC CHANGES OF LAND USE AND CLIMATE. THIS IS PARTICULARLY EVIDENT FOR ORGANISMS LUTING IN RRESHWATER WHERE THE DENDRITIC NETWORK STRUCTURE LEADS TO UNEVEN DISPERSAL LAMONG LOCALITES AND SPECIES. IN THE PROPOSED PROJECT FISHCON WE WILL INVESTIGATE THE DYNAMIC LINK BETWEEN MANAGEMENT AND FUTURE BIODIVERSITY SCHARIOS USING FRESHWATER FISHES AS THE STUDY ORGANISMS. THE PROJECTS AMIN OBJECTIVES ARE TO BUID INTEGRATED	FINSTAD		NORSK INSTITUTT F NATURFORS		01-12-12	31-08-15	RCN	NORWAY
225462	FISHCON	SCENARIOS FOR FRAGMENTED LANDSCAPES FRESHWATER CONNECTIVITY AND THE	MONITORING THE DISTRIBUTION AND EXPOSURE OF CVMS AND APPLY THESE NEW METHODS TO A NORDIC LAKE SYSTEM. DATA COLLECTED WILL BE USED TO EVALUATE THE CAPABILITY OF ENVIRONMENTAL FATE AND TRANSPORT MODELS TO PREDICT THE OBSERVED BEHAVIOUR OF CVMS UNDER DIFFERENT ENVIRONMENTAL CONDITIONS. EMILUI IS AN INTERNATIONAL LEADER IN CVMS PRESENT MODELS PREDICTING BIODIVERSITY RESILENCE TO ENVIRONMENTAL CHANGE ARE ALMOST EXCLUSIVELY BASED ON APPROACHES THAT IGNORE DISPERSAL LIMITATIONS. NEVERTHELESS, SEVERAL RECENT STUDIES HAVE DEMONSTRATED THAT HABITAT CONNECTIVITY IS A KEY DETERMINANT OF BIODIVERSITY RESPONSES TO ANTHROPOGENIC CHANGES OF LAND USE AND CLIMATE. THIS IS PARTICULARLY EVIDENT FOR ORGANISMS UNIVIG IN FRESHWATER WHERE THE DENDRITIC NETWORK STRUCTURE LEADS TO UNEVEN DISPERSAL AMONG LOCALITIES AND SPECIES. IN THE PROPOSED PROJECT FISHCON WE WILL INVESTIGATE THE DYNAMIC LINK BETWEEN MANARGEMENT AND TUTURE BIODIVERSITY SCENARIOS USING FRESHWATER FISHES AS THE STUDY ORGANISMS. THE PROJECT?S MAIN OBJECTIVE ARE TO BUILD INTEGRATED SCENARIO MODELS FOR KEY BIODIVENTIVI INDICATORS (FRESHWATER FISHES)	FINSTAD		NORSK INSTITUTT F NATURFORS		01-12-12	31-08-15	RCN	NORWAY
225462	FISHCON	SCENARIOS FOR FRAGMENTED LANDSCAPES FRESHWATER CONNECTIVITY AND THE	 MONITORING THE DISTRIBUTION AND EXPOSURE OF CVMS AND APPLY THESE NEW METHODS TO A NORDIC LAKE SYSTEM. DATA COLLECTED WILL BE USED TO EVALUATE THE CAPABILITY OF ENVIRONMENTAL FATE AND TRANSPORT MODELS TO PREDICT THE OBSERVED BEHAVIOUR OF CVMS UNDER DIFFERENT ENVIRONMENTAL CONDITIONS. BINLU IS AN UTERNATIONAL LEADER IN CVMS PRESENT MODELS PREDICTING BIODIVERSITY RESILIENCE TO ENVIRONMENTAL CHANGE ARE ALMOST EXCLUSIVELY BASED ON APPROACHES THAT IGNORE DISPERSAL UNITATIONS. NEVERTHELESS, SEVERAL RECENT STUDIES HAVE DEMONSTRATED THAT HABITAT CONNECTIVITY IS A KEY DETERMINANT OF BIODIVERSITY RESPONSES TO ANTHROPOGENIC CHANGES OF LAND USE AND CLIMATE. THIS IS PARTICULARLY EVIDENT FOR ORGANISMS LIVING IN FRESHWATER WHERE THE DENDRITIC NETWORK STRUCTURE LEADS TO UNEVEN DISPERSAL AMONG LOCALITIES AND SPECIES. IN THE PROPOSED PROJECT FISHCON WE WILL INVESTIGATE THE DYNAMIC LINK BETWEEN MANAGEMENT AND FUTURE BIODIVERSITY SCHARIGO RESHWATER FISHES AS THE STUDY ORGANISMS. THE PROJECTS MAIN OBJECTIVES ARE TO BUILD INTEGRATED SCENARIO MODELS FOR KEY BIODIVERSITY INDICATORS (FRESHWATER FISHES AS SCENARIO MODELS FOR KEY BIODIVERSITY INDICATORS (FRESHWATER FISHES) SCENARIO MODELS FOR KEY BIODIVERSITY INDICATORS (FRESHWATER FISHES) SCENARIO MODELS FOR KEY BIODIVERSITY INDICATIONS (FRESHWATER FISHES)	FINSTAD		NORSK INSTITUTT F NATURFORS		01-12-12	31-08-15	RCN	NORWAY
225462	FISHCON	SCENARIOS FOR FRAGMENTED LANDSCAPES FRESHWATER CONNECTIVITY AND THE	MONITORING THE DISTRIBUTION AND EXPOSURE OF CVMS AND APPLY THESE NEW METHODS TO A NORDIC LAKE SYSTEM. DATA COLLECTED WILL BE USED TO EVALUATE THE CAPABILITY OF ENVIRONMENTAL FATE AND TRANSPORT MODELS TO PREDICT THE OBSERVED BEHAVIOUR OF CVMS UNDER DIFFERENT ENVIRONMENTAL CONDITIONS. EMILUI IS AN INTERNATIONAL LEADER IN CVMS PRESENT MODELS PREDICTING BIODIVERSITY RESILENCE TO ENVIRONMENTAL CHANGE ARE ALMOST EXCLUSIVELY BASED ON APPROACHES THAT IGNORE DISPERSAL LIMITATIONS. NEVERTHELESS, SEVERAL RECENT STUDIES HAVE DEMONSTRATED THAT HABITAT CONNECTIVITY IS A KEY DETERMINANT OF BIODIVERSITY RESPONSES TO ANTHROPOGENIC CHANGES OF LAND USE AND CLIMATE. THIS IS PARTICULARLY EVIDENT FOR ORGANISMS UNIVIG IN FRESHWATER WHERE THE DENDRITIC NETWORK STRUCTURE LEADS TO UNEVEN DISPERSAL AMONG LOCALITIES AND SPECIES. IN THE PROPOSED PROJECT FISHCON WE WILL INVESTIGATE THE DYNAMIC LINK BETWEEN MANARGEMENT AND TUTURE BIODIVERSITY SCENARIOS USING FRESHWATER FISHES AS THE STUDY ORGANISMS. THE PROJECT?S MAIN OBJECTIVE ARE TO BUILD INTEGRATED SCENARIO MODELS FOR KEY BIODIVENTIVI INDICATORS (FRESHWATER FISHES)	FINSTAD		NORSK INSTITUTT F NATURFORS		01-12-12	31-08-15	RCN	NORWAY
225462	FISHCON	SCENARIOS FOR FRAGMENTED LANDSCAPES FRESHWATER CONNECTIVITY AND THE	 MONITORING THE DISTRIBUTION AND EXPOSURE OF CVMS AND APPLY THESE NEW METHODS TO A NORDIC LAKE SYSTEM. DATA COLLECTED WILL BE USED TO EVALUATE THE CAPABILITY OF ENVIRONMENTAL FATE AND TRANSPORT MODELS TO PREDICT THE OBSERVED BEHAVIOUR OF CVMS UNDER DIFFERENT ENVIRONMENTAL CONDITIONS. BINLU IS AN UTERNATIONAL LEADER IN CVMS PRESENT MODELS PREDICTING BIODIVERSITY RESILIENCE TO ENVIRONMENTAL CHANGE ARE ALMOST EXCLUSIVELY BASED ON APPROACHES THAT IGNORE DISPERSAL UNITATIONS. NEVERTHELESS, SEVERAL RECENT STUDIES HAVE DEMONSTRATED THAT HABITAT CONNECTIVITY IS A KEY DETERMINANT OF BIODIVERSITY RESPONSES TO ANTHROPOGENIC CHANGES OF LAND USE AND CLIMATE. THIS IS PARTICULARLY EVIDENT FOR ORGANISMS LIVING IN FRESHWATER WHERE THE DENDRITIC NETWORK STRUCTURE LEADS TO UNEVEN DISPERSAL AMONG LOCALITIES AND SPECIES. IN THE PROPOSED PROJECT FISHCON WE WILL INVESTIGATE THE DYNAMIC LINK BETWEEN MANAGEMENT AND FUTURE BIODIVERSITY SCHARIGO RESHWATER FISHES AS THE STUDY ORGANISMS. THE PROJECTS MAIN OBJECTIVES ARE TO BUILD INTEGRATED SCENARIO MODELS FOR KEY BIODIVERSITY INDICATORS (FRESHWATER FISHES AS SCENARIO MODELS FOR KEY BIODIVERSITY INDICATORS (FRESHWATER FISHES) SCENARIO MODELS FOR KEY BIODIVERSITY INDICATORS (FRESHWATER FISHES) SCENARIO MODELS FOR KEY BIODIVERSITY INDICATIONS (FRESHWATER FISHES)	FINSTAD		NORSK INSTITUTT F NATURFORS		01-12-12	31-08-15	RCN	NORWAY
225462	FISHCON	SCENARIOS FOR FRAGMENTED LANDSCAPES FRESHWATER CONNECTIVITY AND THE	 MONITORING THE DISTRIBUTION AND EXPOSURE OF CVMS AND APPLY THESE NEW METHODS TO A NORDIC LAKE SYSTEM. DATA COLLECTED WILL BE USED TO EVALUATE THE CAPABILITY OF ENVIRONMENTAL FATE AND TRANSPORT MODELS TO PREDICT THE OBSERVED BEHAVIOUR OF CVMS UNDER DIFFERENT ENVIRONMENTAL CONDITIONS. SINUL IS AN UNTERNATIONAL LEADER IN CVMS PRESENT MODELS PREDICTING BIODIVERSITY RESILIENCE TO ENVIRONMENTAL CONS DISPERSAL UNINTATIONS. NEVERTHELESS, SEVERAL RECENT STUDIES HAVE DEMONSTRATED THAT HABITAT CONNECTIVITY IS A KEY DETERMINANT OF BIODIVERSITY RESPONSES TO ANTHROPOGENIC CHANGES OF LAND USE AND CLIMATE. THIS IS PARTICULARLY EVIDENT FOR ORGANISMS LIVING IN RESHWATER WHERE THE DENDRITIC NETWORK STRUCTURE LEADS TO UNEVEN DISPERSAL LANDONG LOCALITIES AND SPECIES. IN THE PROPOSED PROJECT FISHCON WE WILL INVESTIGATE THE DYNAMIC LINK BETWEEN MANAGEMENT AND FUTURE BIODIVERSITY SECHARICOS USING RESHWATER TISHES AS THE STUDY ORGANISMS. THE PROJECT'S MAIN OBJECTIVES ARE TO BUILD INTEGRATED SECNARIO MODELS FOR KEY BIODIVERSITY INGLATORS (RESHWATER THE STUDES USED IN EUROPEAN ENVIRONMENTAL LEGISLATION (WFD) AND TO EXPLICITLY LINK PRESENT, ANARGEMENT INTERRACE. THIS STUDY AIMS FOR THE FIRST TIME TO INTEGRATE HABITAT CONNECTIVITY INGLATORS (RESHWATER THE FIRST AS THE PROJECT'S MAIN OBJECTIVES ARE TO BUILD INTEGRATED SECNARIO MODELS FOR KEY BIODIVERSITY DIOLECATORS (RESHWATER THE FISHES AS THE STUDY DRGANISMS. THE PROJECTYS MAIN COLOCATION (WFD) AND TO EXPLICITLY LINK PRESENT, MANAGEMENT INTERRACE. THIS STUDY AIMS FOR THE FIRST THE TO INTEGRATE HABITAT CONCENTIVITY ING SCENARIOS ONE DIDENTERST	FINSTAD		NORSK INSTITUTT F NATURFORS		01-12-12	31-08-15	RCN	NORWAY
225462	FISHCON	SCENARIOS FOR FRAGMENTED LANDSCAPES FRESHWATER CONNECTIVITY AND THE	 MONITORING THE DISTRIBUTION AND EXPOSURE OF CVMS AND APPLY THESE NEW METHODS TO A NORDIC LAKE SYSTEM. DATA COLLECTED WILL BE USED TO EVALUATE THE CAPABILITY OF ENVIRONMENTAL FATE AND TRANSPORT MODELS TO PREDICT THE OBSERVED BEHAVIOUR OF CVMS UNDER DIFFERENT ENVIRONMENTAL CONDITIONS. BINLU IS AN INTERNATIONAL LEADER IN CVMS PRESENT MODELS PREDICTING BIODIVERSITY RESILIENCE TO ENVIRONMENTAL CHANGE ARE ALMOST EXCLUSIVELY BASED ON APPROACHES THAT IGNORE DISPERSAL LIMITATIONS. NEVERTHELESS, SEVERAL RECENT STUDIES HAVE DEMONSTRATED THAT HABITAT CONNECTIVITY IS A KEY DETERMINANT OF BIODIVERSITY RESPONSES TO ANTHROPOGENIC CHANGES OF LANDAUSE AND CLUMATE. THIS IS PARTICULARLY EVIDENT FOR ORGANISMS LIVING IN FRESHWATER WHERE THE DENDRITIC NETWORK STRUCTURE LEADS TO UNEVEN DISPERSAL AMONG LOCALITES AND SPECIES. IN THE PROPOSED PROJECT FISHON WE WILL INVESTIGATE THE DYNAMIC LINK BETWEEN MANAGEMENT AND FUTURE BIODIVESTITY SCHARIOS USING FRESHWATER FISHES AS THE STUDY ORGANISMS. THE PROJECTS MAIN OBJECTIVES ARE TO BUILD INTEGRATED SCENARIO MODELS FOR KEY BIODIVESTITY INDICATORS (FRESHWATER FISHES AS THE STUDY UNR PRESENT; MANAGEMENT INTERFACE. THIS STUDY AINS FOR THE FIRST IMM TO NOTELS FOR KEY BIODIVESTITY INDICATORS (FRESHWATER FISHES AS THE STUDY UNR PRESENT; ANDAGEMENT INTERFACE. THIS STUDY AINS FOR THE FIRST TIME TO INTEGRATE HABITAT CONNECTIVITY INTO SCENARIOS OF BIODIVERSITY MAINTENANCE, CHANGEMENT AND RESIDENCE. WHILE PAST STUDYS HAVE AND A AND A DESCRIPTION AND TO PREVINCILLY UNK PRESENT; MANAGEMENT INTERFACE. THIS STUDY AINS FOR THE FIRST TIME TO INTEGRATE HABITAT CONNECTIVE AND RESIDENTS TO STUDIES HAVE	FINSTAD		NORSK INSTITUTT F NATURFORS		01-12-12	31-08-15	RCN	NORWAY
225462	FISHCON	SCENARIOS FOR FRAGMENTED LANDSCAPES FRESHWATER CONNECTIVITY AND THE	 MONITORING THE DISTRIBUTION AND EXPOSURE OF CVMS AND APPLY THESE NEW METHODS TO A NORDIC LAKE SYSTEM. DATA COLLECTED WILL BE USED TO EVALUATE THE CAPABILITY OF ENVIRONMENTAL FATE AND TRANSPORT MODELS TO PREDICT THE OBSERVED BEHAVIOUR OF CVMS UNDER DIFFERENT ENVIRONMENTAL CONDITIONS. SINUL IS AN UNTERNATIONAL LEADER IN CVMS PRESENT MODELS PREDICTING BIODIVERSITY RESILIENCE TO ENVIRONMENTAL CONS DISPERSAL UNINTATIONS. NEVERTHELESS, SEVERAL RECENT STUDIES HAVE DEMONSTRATED THAT HABITAT CONNECTIVITY IS A KEY DETERMINANT OF BIODIVERSITY RESPONSES TO ANTHROPOGENIC CHANGES OF LAND USE AND CLIMATE. THIS IS PARTICULARLY EVIDENT FOR ORGANISMS LIVING IN RESHWATER WHERE THE DENDRITIC NETWORK STRUCTURE LEADS TO UNEVEN DISPERSAL LANDONG LOCALITIES AND SPECIES. IN THE PROPOSED PROJECT FISHCON WE WILL INVESTIGATE THE DYNAMIC LINK BETWEEN MANAGEMENT AND FUTURE BIODIVERSITY SECHARICOS USING RESHWATER TISHES AS THE STUDY ORGANISMS. THE PROJECT'S MAIN OBJECTIVES ARE TO BUILD INTEGRATED SECNARIO MODELS FOR KEY BIODIVERSITY INGLATORS (RESHWATER THE STUDES USED IN EUROPEAN ENVIRONMENTAL LEGISLATION (WFD) AND TO EXPLICITLY LINK PRESENT, ANARGEMENT INTERRACE. THIS STUDY AIMS FOR THE FIRST TIME TO INTEGRATE HABITAT CONNECTIVITY INGLATORS (RESHWATER THE FIRST AS THE PROJECT'S MAIN OBJECTIVES ARE TO BUILD INTEGRATED SECNARIO MODELS FOR KEY BIODIVERSITY DIOLECATORS (RESHWATER THE FISHES AS THE STUDY DRGANISMS. THE PROJECTYS MAIN COLOCATION (WFD) AND TO EXPLICITLY LINK PRESENT, MANAGEMENT INTERRACE. THIS STUDY AIMS FOR THE FIRST THE TO INTEGRATE HABITAT CONCENTIVITY ING SCENARIOS ONE DIDENTERST	FINSTAD		NORSK INSTITUTT F NATURFORS		01-12-12	31-08-15	RCN	NORWAY

225591	LIMNOTIP	BIODIVERSA: BIODIVERSITY DYNAMICS AND TIPPING POINTS IN OUR FUTURE FRESHWATER ECOSYSTEMS	THE ACCELERATING LOSS OF GLOBAL BIODIVERSITY HAS AFFECTED SPECIES IN AL BIOMES AND ECOSYSTEM TYPES. HOWEVER, RECENT REPORTS SUGGEST MAT FRESHWATER SPECIES ARE LOST AT A RATE HIGHER THAN IN ANY OTHER BIOME (MILLENNIUM ECOSYSTEM ASSESSMENT 2005, CONVENTION ON BIOLOGICAL DIVERSITY 2010, IN ADDITION TO THEIR MAJOR IMPORTANCE AS NATURAL HABITATS AND SOURCES OF BIODIVERSITY AT ALL LEVELS 7 GENETIC, SPECIES AN ECOSYSTEMS FRESHWATER ECOSYSTEMS ALSO PROVIDE A WIDE ARRAY OF ECOSYSTEMS SERVICES FOR HUMANS, INCLUDING HARVESTABLE GODDS (FISH, FIBRE, FODDER), WATER SUGPY CHARAGON STORAGE (LOOD PREVENTION) AND SITES FOR RECREATIONAL ACTIVITIES. FURTHER, LAKES AND WETLANDS ARE IMPORTANT IN THE CARBON CYCLE DYNAMICS WITH A HIGH RATEO CARBON STORAGE IN SOME SYSTEMS, WHILE OTHER ARE IMPORTANT CONDUITS OF CO2 AND CHA. FOR THIS REASON THEY HAVE BECOME INCREASINGLY IMPORTANT IN THE CEBBACK PROCESSES IN A CLIMATE CHANGE CONTEXT. EVEN THOUGH FRESHWATER ECOSYSTEMS CONSTITUTE HERE WE PROPOSE A TRANS-DOC PROGRAM.		DAG O. PROFESSOR	UNIVERSITETET I OSLO	BIOLOGISK INSTITUTT	01-01-13	31-10-15	RCN	NORWAY
225592	BUFFER	BIODIVERSA: PARTIALLY PROTECTED AREAS AS BUFFERS TO INCERSE THE LINKED SOCIAL-ECOLOGICAL RESILIENCE	COASTAL ZONES ARE COMPLEX SOCIAL.INDUCED PRESSURES (CLAUDET ET AL. 2011). PPAS CAN THEREFORE INCREASE THE SOCIAL AND ECOLOGICAL RESULENC OF COASTAL SYSTEMS. HOWEVER, CONTRARY TO PULY PROTECTED AREAS (FPA: NO USES ALLOWED). PPAS CAN BE HIGHLY DIFERENT ONE FROM THE OTHER. THEREFORE, IT WAS DIFFICULT FROM SINGLE PPAS TO®GENERALIZE THE SPECIFIC ECOLOGICAL AND SOCIAL DRIVERS LEADING TO SUCH INCREASED RESULENCE, AN THE COMBINED TYPES AND MAGNITUDE OF USES THEY CAN BUFFER AGAINST A STILL VERY POORLY UNDERSTOOD. ADDRESSING THESE QUESTIONS ARE RELEVANT AND TIMELY SINCE EUROPEAN AND ASSOCIATED COUNTRIES ARE COMMITTED THROUGHEE UROPEAN AND INTERNATIONAL AGREEMENTS TO PROTECT INCREASED FRACTIONS OF THEIR COASTINES AND SINCE PPAS ARE ALMOST SYSTEMATICALLY FAVORED AT THE EXPENSE FPAS (BECAUSE ACCOMPANIED BY GREATER SOCIAL ACCEPTABILITY).	;; : D	ESBEN MOLAND SENIORFORSKE R	FLØDEVIGEN	HAVFORSKNING SINSTITUTTET FORSKNINGSST ASJONEN	01-10-12	30-09-15	RCN	NORWAY
223002		EFFECTS OF SULFATE AND HIGH SALT LEVELS ON ANAEROBIC TREATMENT OF WASTE WATER CONTAINING EASY DEGRADABLE ORGANICS	ANAEROBIC BIODEGRADATION HAS ENVIRONMENTAL ADVANTAGES COMPARED WITH CONVENTIONAL METHODS FOR TREATMENT OF HIGH STRENGTH WASTE WATER DUE TO LOW ENERGY DEMAND, AND BECAUSE MOST OF THE NERGY IN THE WASTE WATER IS CONVERTED TO METHANE. THE ENERGY BUDGET IS POSITIVE; I.E., IT PRODUCES ENERGY. ANAEROBIC BIODEGRADATION CAN ALSO E A MORE ECONOMICAL SOLUTION BECAUSE THE ANAEROBIC PROCESS DOES NOT NEED SUPPLY OF OXYGEN, HAS LOW SLUDGE PRODUCTION, AND HAS A LOW NEED FOR NUTTENTS. ECHALLENGES WITH ANAEROBIC TREATMENT IS THAT IT A COMPLEX PROCESS AND IS MORE SENSITIVE THAN AEROBIC TREATMENT TO ENVIRONMENTAL AND CHEMICAL FACTORS. THIS IS ONE OF THE MAIN REASONS WHY ANAEROBIC TREATMENT HAS NOT BEEN WITELY APPLIED. CHALLENGES IN THIS CASE MAY BE THAT THE WASTE WATER OFTEN CONTAINS SULFATE AND HAVE A HIGH SAUNTY LEVELS. THEREFORE, AN IMPORTANT ASPECT IN THIS PROJECT WILL BE TO IDENTIFY THE EFFECT OF THISS FACTORS IN THE WASTE THAT MAY LEAD TO DEPOCESS INTERTOR. THIS IS IN THE WASTE THAT MAY LEAD TO DEPOCESS INTERTOR. AND ONE SITHER BY PRETREATMENT OR DIRECTLY IN THE REACTOR ARE A MAJOR OBJECTIVE OF THE PROJECT. IN ADDITION, THERE ARE ENVIRONMENTAL AND OPERATIONAL PROCESS THAT ADDITION, THERE ARE ENVIRONMENTAL AND OPERATIONAL PROCEST HAT	E S	STIG	NATURE OIL & GAS AS		01-09-12	01-09-15	RCN	NORWAY
199473		HUMAN RIGHTS AND GENDER DIMENSIONS OF WATER GOVERNANCE IN AFRICA: ACTORS, NORMS AND INSTITUTIONS	DEMOCRATIZATION, GOOD GOVERNANCE, SUSTAINABLE USE AND BROADENED ACCESS TO RESOURCES ARE CONCERNS THAT HAVE INFORMED LAND AND WATE REFORMS IN A FRICA. DESPITE FREQUENT REFERENCES TO RIGHTS ABASED APPROACHES TO DEVELOPMENT IN GENERAL, EMPIRICAL RESEARCH IDENTIFY A LACKING APPRECIATION OF WOMEN'S WATER REGOS AND USES AND THEIR RIGH TO HAVE A SAY IN INSTITUTIONS GOVERNING ACCESS. THE AIM OF THE PROJECT IS TO LAY AN EMPIRICAL AND LEGAL FOUNDATION FOR APPROPRIATE FRAMEWORKS AND STRATEGIES FOR INCLUSION OF THE HUMAN RIGHTS AND GENDER EQUALITY DIMENSION IN WATER GOVERNANCE. IT COMBINES EMPIRICAL RESEARCH OF WATER USES AND MAXABEMINT ON THE GROUND WITH THE STUDY OF LAWS AND POLICIES DEVELOPED AT INTERNATIONAL AND NATIONAL LEVEL IN FOUR AFRICAN COUNTRIES. WITHIN AN INTERDISCIPILARIY FRAMEWORK TO BUG AFRICAN COUNTRIES. WITHIN AN INTERDISCIPILARIY FRAMEWORK TE RECESSES WITH A VIEW TO HOW HUMAN RIGHTS ARE DEFINED, MOBILLED, TRANSFORMED OR RESISTED BY DIFERRINT ACTORS, SUCH AS GOVERNANCE PROCESSES WITH A VIEW TO HOW HUMAN RIGHTS ARE DEFINED, MOBILED, TRANSFORMED OR RESISTED BY DIFERRINAT CATORS, SUCH AS GOVERNMENTS, DONORS AND NGO'S. A KEY QUESTION IS WHETHER AND LINDE WHAT CONDITIONS DECENTRALIZED WATER ROMANCE SYSTEMS FACILLTARE THE INCLUSION AND PROTECTION OF WOMEN'S WATER RIGHTS, CASES FROM	τ	ANNE PROFESSOR	UNIVERSITETET I OSLO	DET JURIDISKE FAKULTET	01-07-10	31-12-13	RCN	NORWAY

199631		THE INFULIENCE OF SNOW AND LE CHANGES ON WATER RESOURCES IN HIMALAYA	THE HIMALAYAS-HINDU KUSH, KUNLUN SHAN, PAMIR AND TEN SHAN MOUNTAIN RANGES FUNCTION AS WATER TOWERS, PROVINDING WATER TO PEOPLE THROUGH MUCH OF ASIA. THE GLACIER AND SNOW-FED RIVERS ORIGINATING FROM THE MOUNTAIN RANGES SURROUMDING THE TIBETAN PLATEAU COMPRISE THE LARGEST RIVER RUN-OFF RANG MAY SINGLE REGION IN THE WORLD. CHANGES IN THE CLIMATIC CONDITIONS WILL IMPACT BOTH THE TIMING AND AMOUNT OF SNOW AND ICE MET WHICH MAY HAVE CONSCIDUENCES FOR A WIDE RANGE OF HUMAN ACTIVITIES LIKE AGRICULTURE, INDUSTRY AND HYDROPOWER RODUCTION. HOWEVER THE EXACT CONTRIBUTION OF SNOW AND GLACIER MELT TO THE ASIAN RIVERS IS VERY MUCH UNCLEAR AND A WIDE RANGE OF ESTIMATES CAN BE FOUND IN THE LITERATURE. BY INITIATING A PARTNERSHIP BETWEEN THE BJERKNES CENTRE FOR CLIMATE RESEARCH, UNIVERSITY OF BERGEN AND INDIAN INSTITUTE OF TECHNOLOGY ON ANALYSIS AND MODELLING OF THE HYDROLOGICAL CYCLE IN THE HIMALAYA REGION WE AIN TO MAKE A SJORICANT COMTRIBUTION OF SNOW AND LEC ON THE HANALYA REGION WE AIN TO MAKE A SJORICICANT CONTRIBUTION TO THE HEMALAYA REGION WE AIN TO MAKE A SJORICICANT CONTRIBUTION TO THE HIMALAYA REGION WE AIN TO MAKE A SJORICICANT CONTRIBUTION TO THE HIMALAYA REGION WE AIN TO MAKE A SJORICICANT CONTRIBUTION TO THE HANDLAYA REGION WE AIN TO MAKE A SJORICICANT CONTRIBUTION TO THE HANDLAYA REGION WE AIN TO MAKE A SJORICICANT CONTRIBUTION TO THE HIMALAYA	SORTEBERG	ASGEIR ASSOCIATE PROFESSOR	UNIVERSITETET I BERGEN	GEOFYSISK INSTITUTT	01-01-10	01-03-13	RCN	NORWAY
200678	ExFlood	EXTREME WEATHER IN SMALL CATCHMENTS: NEW METHOD FOR FLOOD PROTECTION	PRODUCTION OF HYDROPOWER. IN THIS PROJECT WE SEEK TO QUANTIFY EFFECTS OF UP- AND DOWNSTREAM MEASURES IN CATCHMENTS TO REDUCE NEGATIVE EFFECTS OF EXTREME WEATHER. THE WORK WILL INCLUDE DEVELOPMENT OF NEW MEASURES, REVIEW EXISTING MEASURES, TSTENIG OF THESE AND INCORPORATION THEM IN EXISTING RUNOFF MODELS TO PRODUCE A LAND USE PLANNING TOOL AVAILABLE FOR STAKEHOLDERS. THE MAJOR OBJECTIVE OF THE EXFLOOD PROJECT IS TO DEFINE AND ANALYZE MEASURES TO COMMAT NEGATIVE IMPACT OF EXTREME WEATHER EVENTS ON INFRASTRUCTURE IN SMALL WATERSHED AREAS IN NORWAY AND TO INCORPORATE THIS IN A LAND USE PLANNING TOOL. URBAN, AGRICULTURE, NATURE, AND FOREST AREAS AND INFRASTRUCTURE ELEMENTS DEMANDS DIFFRERNT APPROACHES CONCERNING IMPACTS OF AND OPPORTUNITIES FOR EXTREME WEATHER EVENTS. THE APPROACH OF THE EXFLOOD PROJECT IS TO REDUCE THE PEAK FLOW AND TOTAL WATER DISCHARGE TO AVOID DAMAGES ON INFRASTRUCTURE. THREE MUNICIPALITIES CONTRIBUTE TO THE PROJECT IS TO REDUCE THE PEAK FLOW AND TOTAL WATER DISCHARGE TO AVOID DAMAGES ON INFRASTRUCTURE. THREE MUNICIPALITIES CONTRIBUTE TO THE PROJECT WHERE THE PLANNING TOOL WILL BE TESTED, AND AN EXPERIMENTAL CATCHMENT STRE IS SELECTED TO CONDUCT IN DEFTH PROCESS STUDIES. ALL LAND USE ELEMENTS ARE REPRESENTED IN THIS CATCINENT, FEAN LEMEN, FOREST AND AGRICULTURAL AREAS. THE ACTIVITIES IN THE EXFLOOD PROJECT TARE ORGANIZED AGRICULTURAL AREAS. THE ACTIVITIES IN THE EXFLOOD PROJECT ARE ORGANIZED	STOLTE	JANNES SENIORFORSKE R	BIOFORSK JORE OG MILJØ ÅS		01-07-10	01-07-13	RCN	NORWAY
200689	InfraRisk	IMPACTS OF EXTREME WEATHER EVENTS ON INFRASTRUCTURE IN NORWAY (INFRARISK)	GLOBAL WARMING WILL MOST LIKELY CHANGE THE FREQUENCY AND/OR INTENSITY OF EXTREME WEATHER EVENTS (EWES) IN MOST WORLD REGIONS. CLIMATE CHANGE AND THE RESULTING EXPECTED INCREASE IN MAIOR WEATHER RELATED NATURAL CATASTROPHES ARE ESSENTIAL DRIVERS OF AN EXPECTED TREND OF RISING LOSSES IN THE FUTURE. SO FAR, WE HAVE ONLY LIMITED KNOWLEDGE ABOUT PAST AND FUTURE CHANGES IN EWES IMPACTING INRRASTRUCTURE IN NORWAY. WE KNOW THAT EWES CAUSE A THREAT TO INRRASTRUCTURE IN NORWAY. WE KNOW THAT EWES CAUSE A THREAT TO INRRASTRUCTURE IN NORWAY. WE KNOW THAT EWES CAUSE A THREAT TO INRRASTRUCTURE IN NORWAY. WE KNOW THAT TYPE OF CONSEQUENCES TO EXPECT FROM THE DIFFERINT TYPES OF EVENTS AND ALSO WE INED TO IDENTIFY THE STAKEHOLDERS THAT WILL SUSTAIN LOSS IN THE CASE OF AN EVENT. IN THIS STUDY WE AIM, THEREFORE, AT DEVELOPING METHODS TO ASSESS THE TOTAL RISK CAUSED BY EWES TO VARIOUS INFRASTRUCTURE OBJECTS (TRANSPORT AND BUILDING SECTOR) THAT CAN BE USED TO FOLULATE WHICH MITIGATION MEASURES CAN BE TAKEN IN ORDER TO EFFECTIVELY ADAPT TO EWES. WE WILL FOCUS ON THE ANALYSIS OF THE EXPOSURE AND VUINERABILITY OF INFRASTRUCTURE AND THE ASSESSMENT OF AVAILABLE MITIGATION MEASURES.	FRAUENFELDER	REGULA	STIFTELSEN NORGES GGOTEKNISKE INSTITUTT		01-05-10	31-12-13	RCN	NORWAY
215975	INDNOPOP	CUMATE NOUCED MOBILIZATION OF PERSISTENT ORGANIC POLUTIANTS (POPS) IN RIVERS IN INDIA (INDNOPOP)	DATA REVEALS THAT MANY REGIONS OF INDIA ARE HOTSPOTS OF POP EXPOSURE. BEYOND THE PRESENCE OF ACTIVE PRIMARY SOURCES THE INDIAN ENVIRONMENT MAY BE SENSITIVE TO THE INFLUENCE OF RELEASES FROM ENVIRONMENTAL REPOSITORIES. POP OUTFLOW FROM GLACIER, FOR ESAMPLE, HAS BEEN POINTE OUT AS A RELEVANT SOURCE FOR RESHWATER ECOSYSTEMS. ALTHOUGH IT IS ESPECTED THAT CLIMATE CHANGE HAVE AN EFFECT ON ENVIRONMENTAL EXPOSITIVE AND REMOBILIZATION OF DIFFUSE CHEMICAL POLLUTION FROM ENVIRONMENTAL REPOSITORIES (INCLUDING SOIL, VEGETATION AND GLACIERS), VERY LITTLE IS KNOWN ON THE MODALITY AND RELEVANCE OF THIS RELATIONSHIP. FURTHERMORE, LACC FO BASELINE STUDIES, HAMPERS A SOUNDING FORECASTING OF FUTURE REGIONAL EXPOSURE SCENARIOS UNDER CLIMATE CHANGE CONDITIONS INNONOPO PUIL CONTRIBUTE TO FILL THESE GAPS BY DEVELOPING A RESEARCH IN A PARTICULARLY INFORMATIVE SCENARIO: THE GANGES RIVER CATCHMENT. IN AVERAGE 3010 ORG/O THE GANGES WATERS DERIVE READ CIER MELTING. MONSOON INPUTS AND WATER WITHDRAWAL FOR HUMAN USE REPRESENTS THE OTHER MAJOR DRIVERS CONTROLING FOR ON HAIN USE REPRESENTS THE OTHER MAJOR DRIVERS CONTROLING FOR HUMAN USE REPRESENTS THE OTHER MAJOR DRIVERS CONTROLING SOFILY FOR GLAGES METS THE OTHER MAJOR DRIVERS CONTROLING SESONARIES DRIVER CATCHMENT. IN AVERAGE 3010 RIVERS CONTROLING SESONARIES DRIVER DATALER METING.	LARSSEN	THORJØN FORSKNINGSLE DER	NORSK INSTITUTT FOR VANNFORSKNI NG		01-02-12	31-12-14	RCN	NORWAY

216064	TOO MUCH, TOO LESS, TOO BAD? - ADAPTING TO CLIMATE CHANGE IMPACTS ON WATER	MAHARASHTRA IS WITH AROUND 112 MILLION PEOPLE THE SECOND MOST POPULOUS STATE IN INDIA. MORE THAN 30 % OF THE STATE FALLS UNDER THE RAIN SHADDOW AREA. IN THESE DRYLANDS PRECIPITATION CONCENTRATES TO	POSTE	AMANDA FORSKER	INS	ORSK STITUTT FOR INNFORSKNI		01-03-12	31-03-15	RCN	NORWAY
	QUANTIY AND QUALITY IN THE DRYLANDS OF MAHARASHTRA, INDIA	MONSOON SEASON FROM JUNE UNTIL SEPTEMBER. WHILE MONSOON CAUSES FLOODS, THE REST OF THE YEAR CITIES AND VILLAGES, INDUSTRY AND FARMERS, AND THE ENVIRONMENT COMPETE FOR THE SAME SCARCE WATER AND WATER CONFLICTS ARISE. CHANGES IN WATER AVAILABILITY ALONG WITH INCREASE IN TEMPERATURE COULD E.G. HAVE PROFOUND EFFECT ON THE PRODUCTIVITY OF WATER, FICHNICAL ADAPTATION SOLITIONS. THE PROJECT FOCUSES ON TWO CASE STUDY AREAS: PUNE AND SATARA DISTRICT, WHERE THE PROBLEMS WATER SCARCITY, RURAL-TECHNICAL ADAPTATION OPTIONS, WHERE THE PROBLEMS WATER SCARCITY, RURAL-TECHNICAL ADAPTATION OPTIONS, WHERE THE PROBLEMS WATER DEVELOPMENT OF A DECISION SUPPORT TOOL, WILL ALLOW THE STAKEHOLDERS TO BENEFIT FROM THE PROJECT BEYOND THE PROJECT PERIOD.			NG	3					
216546	THE RESPONSE OF THE HYDROLOGICAL SYSTEM IN INDIA TO CLIMATE CHANGE	THE CRYOSPHERIC CONTRIBUTION TO RIVERS IN WESTERN HIMALAYA PLAYS A SIGNIFICANT ROLE IN WATER RESOURCE AVAILABILITY. CHANGES IN CLIMATE IN THESE REGIONS LEAD TO A SIGNIFICANT IMPACT ON THE SOCIO; LIVELIHOOD AND PRODUCTION SYSTEMS AND LAND USE SYSTEMS AND WILL USE OUTPUT DATA FROM WORKPACKAGES I TO 3. PROJECT MANAGEMENT, ORGANISATION AND CO;ORDINATING THE DISSEMINATION OF PROJECT RESULTS. THE DISSEMINATION INCLUDES TWO WORKSHOPS FOR THE INDIAN AND NORWEGIAN PARTNERS FOR PRESENTATION OF PROJECT RESULTS. THIS SHOULD LEAD TO GREATER INCORPORATION OF THE RESULTS INTO LOCAL AND REGIONAL POLICY REGARDING WATER RESOURCES. PUBLICATION OF SCIENTIFIC RESULTS IN INTERNATIONAL SCIENTIFIC JOURNALS WILL BE GIVEN HIGH PRIORITY.	JACKSON	MIRIAM	VA OG EN	DRGES ISSDRAGS- 3 IERGIDIREKT IAT (NVE)		15-08-12	14-08-15	RCN	NORWAY
216576	CLIMATE CHANGE AND ITS IMPACTS ON SELECTED INDIAN HYDROLOGICAL SYSTEMS USING EARTH SYSTEM AND HIGH-RESOLUTION MODELING	CLIMATE CHANGE, THOUGH GLOBAL IN NATURE, MAY AFFECT REGIONAL SCALES IN DIFFERENT WAYS. THE SEVERITY OF REGIONAL IMPACTS IS DEPENDENT ON THE AWARENESS AND PREPARENDESS OF THE COUNTRY IN CONCERN. DUE TO ITS DIVERSIFIED SOCIO-ECONOMIC AND CLIMATIC CONDITIONS, INDIA IS PROMINENTLY VULIFERALET OT THE ENSIDIMS CLIMATE CHANGE AND RELATED IMPACTS. THE REGULATION AND AVAILABILITY OF WATER SUPPLY OVER THE NORTH-INDIAN REGION DEPENDS ON BOTH SEASONAL AND PERENNIAL RIVERS. THE GLACLIMEIT REGIONS SURROUNDING HIMALAYAS ARE ALSO PRONET TO ABRUPT FLOODS AND RIVERINE CHANGES. THESE ARE, IN TURN, DEPENDENT ON THE MONSOON VARIABILITY THERE. GLOBAL CLIMATE CHANGE AND RESIDENT ON REGIONAL MONSOONAL VARIABILITY HAS BEEN A FOCAL CONCERN IN THE PAST YEARS. HOWEVER, KEY GAPS STILL EXIST IN THE REGIONAL MONSOON PREDICTION WITH APPROPRIATE REPRESENTATION. AN INTEGRATED ASSESSMENT OF CLIMATE CHANGE AND ITS IMPACT ON WATER RESOURCES NEEDS A HERARCHICAL MODEL CONFIGURATION, WHICH INVOLVES THE REPRESENTATION OF GLOBAL AND REGIONAL PROCESSES WITH RESONABLE ACCURACY FOR THE PRESENT CLIMATE. THESE MODELS COULD THE BE CONSIDERED APPROPRIATE TOINS FOR NUTURE CLIMATE PROJECTIONS VIER A BE CONSIDERED APPROPRIATE TOINS FOR NUTURE CLIMATE PROJECTIONS VER A	MESQUITA	MICHEL GROUP LEADER	UN AS	N RESEARCH		01-06-12	31-05-15	RCN	NORWAY
224779	EFFECTS OF CLIMATE CHANGE ON BOREAL LAKE ECOSYSTEMS: PRODUCTIVITY AND COMMUNITY RESPONSES	CLIMATE CHANGE IS EXPECTED TO AFFECT LAKE ECOSYSTEMS IN MANY WAYS. IN BORAL SYSTEMS, CHANGES IN DISSOLVED ORGANIC MATTER AND NUTRIENTS WILL AFFECT LIGHT LEVELS, THERMAL REGIMES, PRODUCTIVT AND COMMUNITY STRUCTURE. THIS PROJECT WILL ADDRESS THESE RESPONSES BY USE OF EXISTING DATABASE, REFINEMENT AND INTEGRATION OF EXISTING MODELS AND BY EXPERIMENTS AND FIELD STUDIES. THE MULTIDISCIPLINARY PROJECT GROUP WILL BUILD ON THE EXTENSIVE DATABASES ON LAKES AND BOREAL CATCHMENTS IN NORWAY, SWEDEN AND FINLAND COMBINED WITH PREDICTIVE STEADY- ORIENTED MODELS. THE GOAL IS TO ESTABLISH CAUSAL LINKS BETWEEN THE DRIVERS CLIMATE CHANGE AND N-S DEPOSITION AND CATCHMENT FROM PORTER DYNERY BY VARIAGE AND N-S DEPOSITION AND CATCHMENT FROM PORT FLUXES OF DISSOLVED ORGANIC CARBON (DOC), AND THE KEY NUTRIENT ELEMENTS NITROGEN (N) AND PHOSPHORUS (P). PROJECTIONS WILL BE MADE DRIVEN BY VARIOUS SCENARIOS OF FUTURE CLIMATE CHANGE AND N-S DEPOSITION. THE WORK WILL BUILD ON STATISTICAL TOOLS, GIS-DEPOSITION. EFFECTS ON PHYTOPLANKTON CLEL SZER ELATED TO CHANGED TEMPERATURE AND NUTRIENTS. COMMUNITY EFFECTS FOCUSING ON SELECTED SPECIES SUSCEPTIBLE TO DOC AND TEMPERATURE.	HESSEN	DAG O. PROFESSOR		NIVERSITETET ISLO	BIOLOGISK INSTITUTT	01-04-13	31-03-16	RCN	NORWAY
225014	EFFECTS OF ENVIRONMENTAL CONDITIONS EXPERIENCED BY PARENTS, EMBRYGS AND JUVENIES ON LATER LIFE HISTORY STAGES IN ATLANTIC SALMON	BY USE OF TIME SERIES ANALYSIS AND LABORATORY EXPERIMENTS THIS PROJECT WILL ANALYSE EFFECTS OF CLIMATE AND HABITAT LOSS OF THE PRODUCTION OF ATLANTIC SALMON IN A NORWEGIAN INDEX RIVER. SPECIFICALLY WE WILL 1) STUDY EFFECTS OF CLIMATE AT DIFFRENT TIMES OF THE YEAR AND LOSS OF LAKE HABITAT ON JUVENIE SALMON PRODUCTION IN THE RIVER IMSA. WE WILL DO THIS BY TESTING EFFECTS OF NUMBERS OF EGGS SPANNED, WATER PRODUCTION. FISH MIGRATION AND ENVIRONMENTAL VARIABLES IN THE RIVER HAVE BEEN MONITORED DAILY DURING 37 YEARS. 2) WORK OUT PREDICTION FOR FUTURE CHANGES IN SALMON PRODUCTION IN THE RIVER AL (2021, HISTORY VARIATION DUE TO CLIMATE CHANGE TRANSLATES TO POPULATION DYNAMICS, SPECIFICALLY HOW IT AFFECTS THE POPULATION GROWTH RATE (R). THER IS GOOD GENDER BALANCE IN THE PROJECT, AND THE RESULTS WILL BE DISSEMINATED IN REPORTS, PEER REVIEWED SCIENTIFIC JOURNALS AND POPULAR SCIENCE JOURNALS AND DIRECTLY TO NATURE MANAGERS.	JONSSON	NINA SENIORFORSKE R	NC INS NA	IFTELSEN JRSK STITUTT FOR TTURFORSKNI S NINA		01-01-13	31-12-15	RCN	NORWAY

227024	FREMONEC	FREMONEC: EFFECT OF	THE RUSSIAN-NORWEGIAN COLLABORATION PROJECT FREMONEC AIMS TO	WALSENG	BJØRN	STIFTELSEN	NORSK	AVDELING OSLO	10-06-13	28-12-15	RCN	NORWAY
		CLIMATE CHANGE AND RELATED STRESSORS ON FRESH AND BRACKISH WATER ECOSYSTEMS IN SVALBARD	STRENGTHEN THE COOPERATION BETWEEN NORWAY AND RUSSIA ON POLAR RESEARCH IN SYALBARD. IT WILL SERVE AS A POSITIVE EXAMPLE FOR A NETWORK BUILDING IN THEMATIC AREAS RELEVANT FOR BOTH COUNTRIES: IMPACTS OF CLIMATE CHANGE, BIODIVERSITY AND ECOLOGY, RESEARCHERS FROM THE NORWEGIAN INSTITUTE FOR NATURE RESEARCH AND M. V. LOMONOSOV MOSCOW STATE UNIVERSITY WILL STUDY THE EFFECTS OF CLIMATE CHANGE AND RELATED STRESORS ON RFBSH AND BRACKISH WATER HABITAS; BY USING INVERTEBATES SOR SOR SON FAND AND BRACKISH WATER HABITAS; BY USING NINUERDERATES AS BIOLOGICAL QUALITY ELEMENTS. THE COOPERATION INCLUDES ALSO BERRESENTATIVE FROM UNIS. THE FIELD WORK WILL FOCUS ON FRESH AND BRACKISH WATER EGOSYSTEMS THAT SO FAR ARE COMPARATIVELY LITTLE STUDIED. BOTH NORWEGIAN AND RUSSIAN SCIENTISTS WILL BE INVOLVED IN SVALBARD, ANALYSIS OF COLLECTED MATERIAL AND FINAL REPORTING. AS A RESULT A DATABAE ON PREVIONS AND CURRENT STUDIES WILL BE DEVELOPED AND CAN BE USED FOR NEW JOINT PROJECTS. NETWORK- BUILDING BETWEEN BOTH RESEARCH GROUPS WILL BE IMPLEMENTED THROUGH COMMON FIELD- AND LABORATORY WORK. THE MATERIAL OBTAINED WITHIN THIS INDIFIESTION			NATURFORSKNI NG NINA	INSTITUTT FOR NATURFORSKNI NG					
227044	CharrAdapt	CHARRADAPT: ADAPTATION OF ARCTIC CHARR TO CHANGING POLAR CLIMATE	THE CHARRADAPT PROJECT PROPOSES TO INVESTIGATE THE ADAPTATION OF ARCTIC CHARR (SALVELNUS ALPINUS), TO THE EXTREME POLAR ENVIRONMENT THROUGH THE STUDY OF POPULATION BIOLOGY, PHYSIOLOGY AND GENETICS. AS THE ONLY ARCTIC POLAR FRESHWATER FISH SPECIES, ARCTIC CHARR SERVE AS AN IMPORTANT MODEL IN WHICH TO INVESTIGATE ADAPTATION TO EXTREME ENVIRONMENTS, A CRUCIAL NEED UNDER CURRENT CHANGING CLIMATIC CONDITIONS. TO ACHIEVE THIS GOAL, A COLLABORATION BETWEEN THE NORWEGIAN INSTITUTE FOR WATER RESEARCH (NIVA), OREGON STATE UNIVERSITY (OSU) AND AKVAPLAN, ÁLESUND WILL BE USED DURING THE FIELD PHASE OF THE PROJECT.	ROSTEN	CAROLYN	NORSK INSTITUTT FOR VANNFORSKNI NG			01-03-13	29-02-16	RCN	NORWAY
177893	EnviDORR	INCREASED POWER AND SALMON PRODUCTION WITH ENVIRONMENTALLY DESIGNED OPERATION OF REGULATED RIVERS	HYDROPOWER IS A VERY EFFICIENT SOURCE OF ENERGY, HOWEVER THERE WILL ALWAYS BE QUESTIONS RELATED TO THE EFFECT IT HAS ON THE FAUNA IN THE RIVERS. IN ENVIDORS SALMON SCIENTISTS, HYDROLOGISTS, HYDROPOWER ENGINEERS, INDUSTRY AND MANAGEMENT JOIN FORCES TO DEVELOP OPTIMAL SOLUTIONS TO INCREASE BOTH SALMON AND HYDROPOWER PRODUCTION IN REGULATED RIVERS. THE MAIN FOCUS FOR MITIGATION IN REGULATED RIVERS USED TO BE TO MIMIC NATURAL FLOW CONDITIONS. ENVIDORS FOCUSES ON ENHANCING POSITIVE AND REDUCING NEGATIVE EFFECTS OF RIVER REGULATED RIVERS USED TO BE TO MIMIC NATURAL FLOW CONDITIONS. ENVIDORS FOCUSES ON ENHANCING POSITIVE AND INCREASING THE POWER PRODUCTION. TO DESIGN OPTIMAL SOLUTIONS, IT IS VITAL TO EXPAND OUR KNOWLEDGE ON THE EFFECTS OF ENVIRONMENTAL VARIABLES ON THE DIFFERENT LIFE STAGES OF SALMON. METHODS FOR RESTORATION AND IMPROVEMENT OF HABITAT CONDITIONS WITHOUT LOSS OF POWER REQULCTION HAVE BEEN USED IN A FEW NORWEGIAN RIVERS. MODELS SHOW THAT ADAPTIVE HYDROPOWER OPERATION WILL ENSURE SURVESS (RESSIONT THAT ADAPTIVE HYDROPOWER OPERATION WILL ENSURE SURVESS LODES SHOW THAT ADAPTIVE HYDROPOWER OPERATION STRAFEGIES TO PREVENT TURBINE SMOLT MORTALITY, AND IN THE RIVER MANDALSELVA STROBE LIGHTS AND OPTIMAL DIVERSION OF WATER IN THE BYPASS SECTION HAS INCREASED SHOW THAT ADAPTIVE HYDROPOWER OPERATION STRAFEGIES TO REVENT TURBINE SMOLT MORTALITY, AND IN THE RIVER MANDALSELVA STROBE LIGHTS AND OPTIMAL DIVERSION OF WATER IN THE BYPASS SECTION HAS INCREASED SHOW THAT ADAPTICH HYDROPOWER OPERATION HAS INCREASED SHOW THAT ADAPTICH HYDROPOWER OPERATION HAS INCREASED SHOW THAT ADAPTIVE HYDROPOWER OPERATION HAS INCREASED SHOW THAT ADAPTIVE HYDROPOWER OPERATION STRAFEGIES OF REVENT TURBINE SMOLT MORTALITY, AND IN THE RIVER MANDALSELVA STROBE LIGHTS AND OPTIMAL DIVERSION OF WATER IN THE BYPASS SECTION HAS INCREASED SHOW THAT ADAPTICH THEORY OF AN UNDELS SUPSTICAM MIGRATION SOLUTIONS ARE ALSO A MAJOR TASK IN THE PROJECT. ENVIDORR WILLI: • CULATE THE BEST PESEARCH GROUPS ON SALMONID ECOLOGY, HYDROLOGY AND HYDROPOWER OPERATION M	FORSETH	TORBJØRN	STIETELSEN NORSK INSTITUTF FOR NATURFORSKNI NG NINA			01-01-07	31-12-12	RCN	NORWAY
175655	TECHNEAU	TECHNOLOGY ENABLED UNIVERSAL ACCESS TO SAFE WATER	IT IS THE VISION OF TECHNIEAU THAT, IN ORDER TO COPE WITH PRESENT AND FUTURE CHALLENGES, WATER SUPPLY SYSTEMS SHOULD CONSIDER A TRANSFORMATION FROM NON-SCALE TO FLEXIBLE MULTI-SCALE SYSTEMS I.E. INTRENURED CENTRALISED AND DECENTRALISED SATELITE TREATMENT, MONITORING AND CONTROL SYSTEMS. TECHNEAU WILL DEVELOP AND DEMONSTRATE ADAPTIVE SUPPLY SYSTEM OPTIONS AND NEW AND IMPROVED SUPPLY AND MONITORING TECHNOLOGIES AND MANAGEMENT PRACTICES. TREATMENT STRATEGIES WILL BE BASED ON ROBUST MULTI-BARRIER SCHEMES AND CONTROL METHOLOGIES AND MANAGEMENT PRACTICES. SPECTRUM OF CHIEVALA LAND MICROBIOLOGICAL CONTAMINANTS AND AVOIDING ORGANOLEPTIC PROBLEMS AT THE TAP. MONITORING TECHNOLOGIES MULL PROVIDE ON-LINE AND AT THE SITE INFORMATION ON WATER QUALITY INCLUDING PARAMETRES THAT RELATE TO MALICIOUS CONTAMINATION. PRACTICES FOR INSK SSESSMENT/DISK SAMEMENT, OPERATION AND MAINTENANCE, AND MODELS FOR CONSUMER ACCEPTANCE WILL CONSTITUTE THE FRAMEWORK FOR THESE TECHNOLOGIES. THESE TO MALE INFORMED AD MANAGEMENT PRACTICES WILL RESULTE ON THESE TO MANE INFORMED CHOICES, APPROPRIATE TO THEIR OWN CIRCUMSTANCES AND CONSTRAINTS, FOR	RØSTUM	JON FORSKER	STIFTELSEN SINTEF			10-01-06	31-12-13	RCN	NORWAY

	1				1						
194486	PYROWATER	WILDFIRE EFFECTS ON BIOGEOCHEMISTRY OF SOIL AND SURFACE WATER	KNOWLEDGE ON AQUATIC EFFECTS OF WILDFIRE IS IMPORTANT, BECAUSE LITTLE DATA EXIST AND INCREASED FREQUENCY OF WILDFIRE IS EXPECTED AS A COMSEQUENCE OF CLIMATE CHANGE, PYROWATER WILL FOCUSING ON MAJOR CHEMICAL AND BIOLOGICAL EFFECTS OF WILDFIRE IN AQUATIC ECOSYSTEMS. 3 CATCHMENT AFFECTED BY WILDFIRE, 3 AFFECTED BY BOTH WILDFIRE AND SALVAGE LOGGING, AND 3 CONTROL CATCHMENTS WILL BE INCORPRATED. THE FIELD WORK WILL BE CONDUCTED IN THE LARGE WILDFIRED AREA IN FROLAND, AUST-VARIATIONS IN STABLE SULPHURE ISOTOPE RATIO (D345) IN PRECIPITATIONS. ONL: QUALITATIVE AND QUANTITATIVE CHANGES IN PHYTO- EVALUATE THE MIRNA TECHNIQUE AS A NEW TOOL TO REVEAL INTERNAL BIOLOGICAL/GENETIC RESPONSE MECHANISMS RELATED TO SPECIFIC ENVIRONMENTLA PRESSURES, ACID, AR INCH WAFTE. A PILOTSTUDY WILL BE INPILOMENTED ON BROWN TROUT UNDER LABORATORY CONDITIONS. IF SUCCESS, SMILMR ANALYSES WILL BE PERFORMED ON WILD FIRR FROM THE RIFE AREA TELEMARK UNIVERSITY COLLEGE WILL LEAD THE PROJECT AND 3 NORWEGIAN UNIVERSITYS COLLEGE WILL LEAD THE PROJECT AND 3 NORWEGIAN UNIVERSITIES AND 2 RESEARCH INSTITUTES WILL PARTICIPATE.		ESPEN PROFESSOR	HØGSKOLEN I TELEMARK	FAKULTET FOR ALLMENNVITEN SKAPELIGE FAG	01-10-09	01-01-13	RCN	NORWAY
208418		DIRECT AND INDIRECT CLIMATE FORCING OF ECOLOGICAL PROCESSES: INTEGRATED SCENARIOS ACROSS FRESHWATER AND TERRESTRIAL ECOSYSTEMS	THE CLIMATIC VARIABLES, TEMPERATURE AND PRECIPITATION, ARE IN INTERACTION WITH HERBIVORY AND LAND USE, MAJOR DRIVERS OF TERRESTRIAL VEGETATION DYNAMIC. VEGETATION PATTERNS ARE AGAIN, MAJOR DRIVERS OF RUN-OFF PATTERNS AND NUTRIENT AND CARBON FLUXES, WHICH HAVE PERVASIVE EFFECTS ON AQUATE PRODUCTION AND BIODIVERSITY. BOTH ENBERGY AND MATTER ARE TRANSPORTED ACROSS ECOSYSTEM BOUNDARIES. THUS, ECOSYSTEMS DO NOT RESPOND INDEFENDENTLY OF EACH OTHER TO CLIMATE CHANGE. THIS PROIET WILL ANALYZE POPULATION AND ECOSYSTEM FFECTS OS CLIMATE CHANGE. WE WILL CONSTRUCT LOCAL AND NATIONAL CLIMATE EFFECT SCENARIOS BY UNTEGRATING FORECAST OF CLIMATE RAD LAND-USE RRIVEN VEGETATION STRUCTURE WITH RUN-OFF, AQUATIC PRODUCTION AND BIODIVERSITY. IN ORDER TO MODEL LARGE SCALE CLIMATE EFFECTS ON TERRESTRIAL VEGTATION AND D LINK THIS TO RESHWATER ECOSYSTEMS, FIELD OBSERVATIONS AT VARIOUS TEMPORAL AND SPATIAL SCALES NEEDS TO BE COMBINED WITH REMOTE SENSING DATA, EXISTING DIGITAL MARS, AND RUN-OFF MODELS. THE PROJECT INVOLVES SEVERAL TIGHTY INTEGRATED EVONG PACKAGES INVOLVING VARIOUS TYPES OF TIME-SERIES AND SPATIAL ANALYSES AND GIS TOOLS. THIS WILL BE MERGED WITH HYDROLOGICAL MODELS, AND		BROR FORSKNINGSSJE F	STIFTELSEN NORSK INSTITUTT FOR NATURFORSKNI NG NINA		01-06-11	31-12-15	RCN	NORWAY
208421		GENETIC TOOLS FOR BIODIVERSITY MONITORING IN AQUATIC ECOSYSTEMS	RESEARCH ON BIODIVERSITY, ITS IMPACT ON ECOSYSTEM FUNCTIONING, HOW IT IS DISTRIBUTED GEOGRAPHICALLY, AND WHICH FACTORS ARE IMPORTANT IN MAINTAINING TA REA MONOS THE MAIN ISSUES IN ECOLOGY WOOLDWIDE. BIODIVERSITY MONITORING IS AN ISSUE IN ITS OWN RIGHT, BUT EQUALLY IMPORTANT IS THAT MANY ORGANISM GROUPS ARE EXTENSIVE USED FOR MONITORING EFFECTS OF POLLUTION, HABITAT DEGRADATION, OR CLIMATE CHANGE, INCLUDING MONITORING ACCORDING TO THE WATER FRAMEWORK DIRCCTIVE. MANY MONITORING METHODS DEPEND ON DETECTING THE PRESENCE OR ABUNDANCE OF SPECIES. THE BIOLOGICAL COMPONENTS OF THESE MONITORING PROGRAMS ARE GENERALLY AMONG THE MOST TIME-CONSUMING AND EXPENSIVE PARTS. AT THE SAME TIME, DETERMINATION TO SPECIES, THE PRESENCE OF IMMATURE INDIVIDUALS WHICH OFTEN CANNOT BE IDENTIFIED TO SPECIES LEVEL, LACK OF UNIQUE MORPHOLOGICAL TRATIS IN VERY SMALL SPECIES, OR SIMPLY THE LOSS OF CLASSICAL TRANOMIC KNOWLEDGE AMONG ECOLOGISTS. IN THE PRESENT STRATEGIC INSTITUTE INITIATIVE (SIS), WE AIM TO COPE WITH THE DAWBACKS NAMED ABOVE BY DEVELOPING AND IMPLEMENTING GENETIC MARKERS AS ROUTIVE TOOLS FOR MONITORING	REFSETH	UNN HILDE	NORSK INSTITUTT FOR VANNFORSKNI NG		01-01-11	31-12-14	RCN	NORWAY
208430		NIVA'S STRATEGIC RESEARCH INITIATIVE (SIS) ON EMERGING ENVIRONMENTAL CONTAMINANTS	NEW CHEMICALS ARE CONTINUALLY BEING DEVELOPED AND RELEASED INTO THE ENVIRONMENT. THEIR OCCURRENCE MAY HAVE FAR-REACHING IMPLICATIONS FOR ENVIRONMENTAL QUALTY MAD HUMAN HEALTH. INCREASING STENTION RICREASINGLY COMPLEX CONTAMINANT SITUATION REQUIRES NEW VIEWS AND NEW METHODS IN OUR 'TOOLBOX'. THE CHALLENGES ARE MANY SINCE AT PRESENT VE USE VERY SIMPLE TOOLS TO TRY AND SOLVE A VERY COMPLEX PROBLEM. TRADUTIONAL COSTITUE AND REGUIRES NOT THE SIMPLICATION AUDIT OR SUFFICIENT TO FACE FUTURE CHALLENGES POSED BY THESE CHEMICALS. THIS SIF OLUSES ON EMERGING CONTAMINANTS AND THE ISSUES ASSOCIATED WITH THEM. NIVA'S RESEARCH ON ENVIRONMENTAL CONTAMINANTS COVERS A WIDE RANGE OF DISCIPLINES AND IT IS OF ENDAMENTAL IMPORTANCE FOR STRATEGIC DEVELOPMENT THAT THIS INTERDISCIPLINARY EXPERTISE IS UTILIZED. STRENGTHENING THE LINKS BETWEEN DISCIPLINES USING DIFFERITINE THETHODOLOGICAL APPROACHES, E.G. LABORATORY BASED TESTS, FIELD WORK, MONITORING AND MODELLING IS ANTICIPATED. THE SIS WILLES DE CORANIZED IN FOR ROD SCIPLING AND IN DISCIPLINES USING DIFFERITINE THETHODOLOGICAL APPROACHES, E.G. LABORATORY BASED TESTS, FIELD WORK, MONITORING AND MODELLING IS ANTICIPATED. THESIS WILLES COVERING MAJOR RESEARCH NEEDS REGARDING INTERDISCIPLINARY EXPENTISE IN UTILIZED. STRENGTHENING THE LINKS BETWEEN DISCIPLINES USING DIFFERITING THETHODOLOGICAL APPROACHES, E.G. LABORATORY BASED TESTS, FIELD WORK, MONITORING AND MODELLING IS ANTICIPATED. THESIS WILL BEN DAVIS MAD MODELING IS ANTICIPATED. THESIS WILL BEN DAVIS MADIA RESEARCH NEEDS REGARDING INTERRATED THEMES, COVERING MAJOR RESEARCH NEEDS REGARDING INTERRATED THEMES, COVERING MAJOR RESEARCH NEEDS REGARDING	LARSSEN	THORJØRN FORSKNINGSLE DER	NORSK INSTITUTT FOR VANNFORSKNI NG		01-01-11	31-12-15	RCN	NORWAY

212135	HUMAN IMPACTS IN COASTAL	COASTAL ECOSYSTEMS ARE UNDER INCREASING PRESSURE FROM HUMAN	FAUCHALD	PER	STIFTELSEN		01-01-12	31-12-15	RCN	NORWAY
	ECOSYSTEMS - EFFECTS ON	DRIVERS, INCLUDING CLIMATE CHANGE, HARVESTING, INVASIVE SPECIES AND		SENIORFORSKE	NORSK					
	ECOSYSTEM STRUCTURE AND	HABITAT DISTURBANCE. IN THIS PROJECT, WE WILL INVESTIGATE HOW THE		R	INSTITUTT FC	R				
	FUNCTION	STRUCTURE AND FUNCTION OF COASTAL ECOSYSTEMS IN NORWAY ARE AFFECTED			NATURFORSK	NI				
		BY SPECIFIC HUMAN DRIVERS. THE PROJECT IS ORGANIZED IN FOUR WORK			NG NINA					
		PACKAGES (WPS) THAT ADHERE TO ONE OF TWO THEMES. EACH WP CONSISTS OF								
		A MULTI-DISCIPLINARY TEAM THAT WILL INVESTIGATE THE EFFECT OF SPECIFIED								
		HUMAN DRIVERS ON IMPORTANT PARTS OF THE ECOSYSTEM. IN THE FIRST								
		THEME, WE WILL INVESTIGATE THE EFFECT OF HABITAT CHANGE ON								
		BIODIVERSITY AND ECOSYSTEM FUNCTIONING. FISH FARMING AND BOTTOM								
		TRAWLING ARE HUMAN ACTIVITIES WITH PRESUMED LARGE IMPACTS ON								
		NORWEGIAN COASTAL HABITATS. USING A BACI APPROACH, WP 1 WILL								
		INVESTIGATE THE EFFECT OF FISH FARMING ON WILD FISH COMMUNITIES. BASED								
		ON EXISTING LARGE SCALE DATA ON BOTTOM TRAWLING AND BENTHIC								
		BIODIVERSITY, WP2 WILL STUDY THE EFFECT OF TRAWLING ON THE FUNCTIONAL								
		DIVERSITY OF BENTHIC COMMUNITIES. IN THE SECOND THEME, WE WILL								
		INVESTIGATE HOW CLIMATE CHANGE AND HARVESTING AFFECT TROPHIC								1
		INTERACTIONS AND THE SPATIAL STRUCTURE OF THE ECOSYSTEM. CLIMATE								