

Name SURNAME: Philippe VAN CAPPELLEN			
Function:	Consortium Coordinator and Work Package Leader		
Institution:	University of Waterloo (UW)		<input type="checkbox"/> Funding Agency <input type="checkbox"/> Programme Manager
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Division	Earth and Environmental Sciences		
Areas of Expertise:			
<p>Water cycle and biogeochemistry: carbon and nutrient cycles, global change, land-ocean transition, coastal ecosystems, groundwater-surface water interactions, stable isotopes.</p> <p>Environmental science: eutrophication, soils, urban environments, environmental health, remediation, ecosystem services, economic valuation.</p> <p>Geomicrobiology: microbial degradation of organic matter, redox and acid-base dynamics of natural waters, geomicrobiology of metals, interfacial chemistry of microorganisms, bioenergetics.</p> <p>Mineral-water interactions: surface chemistry of minerals, kinetics of mineral nucleation, growth and dissolution, biomineralization.</p> <p>Reactive transport modeling: numerical models of multicomponent reactive transport in sediments, soils, surface waters, hydrothermal systems and aquifers, reaction networks.</p>			
Short Description of your Institution:			
<p>The University of Waterloo (UWaterloo) is Canada's top innovation university and a world-renowned research institute. UWaterloo is home to the Water Institute, which is among the top 10 water research institutes in the world. In addition, the Ecohydrology Research Group, established through the Canada Excellence Research Chair program and lead by Dr Philippe Van Cappellen, is located in UWaterloo's Earth and Environmental Sciences department. The Ecohydrology Research Group supports and enhances the sustainable use of water-dependent natural resources, through research, training and outreach activities.</p>			
Role in the project:			
Consortium Coordinator and Work Package lead for WP1: Framing, Coordination and Dissemination			

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