

Name SURNAME: Nandita BASU			
Function:	Work Package Leader		
Institution:	University of Waterloo (UW) <table border="0" style="float: right;"> <tr> <td><input type="checkbox"/> Funding Agency</td> </tr> <tr> <td><input type="checkbox"/> Programme Manager</td> </tr> </table>		<input type="checkbox"/> Funding Agency
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<input type="checkbox"/> Programme Manager			
Email:	nandita.basu@uwaterloo.ca		
Phone:	+1 5198884567 extension 37917		
Division	Department of Civil and Environmental Engineering (joint appointment with Earth and Environmental Sciences)		
Areas of Expertise:			
<p>Basu combines theoretical modelling with data synthesis to better understand and predict the water-quality impacts of climate, land-use and land-management across scales, with specific focus on modelling how nutrients/contaminants are transported across the hillslope and through the river network. Her specific areas of expertise include:</p> <ul style="list-style-type: none"> • Modelling nutrient and contaminant transport in watersheds • Nutrient Legacies and Time Lags • Watershed biogeochemistry and land use change • Modelling human-water interactions • Wetland Connectivity and Ecohydrology 			
Short Description of your Institution:			
<p>The University of Waterloo (UWaterloo) is Canada's top innovation university and a world-renowned research institute. Water is identified as one of the priority research areas at the University. UWaterloo is home to the Water Institute (WI) which regroups over 140 faculty members and more than 300 graduate students working in all areas of water science, technology and governance.</p>			
Role in the project:			
<p>Basu leads Work Package 5 (Upscaling and Adaption Portfolios) that aims (1) to upscale the results from the other work packages to create an agroecosystem typology that explicitly considers legacy nutrient accumulations, and (2) to develop adaptation portfolios to deal with uncertainties in agroecosystem management. She will also collaborate with SU in WP2 (Biophysical Modeling of Nutrient Legacies to apply the Legacy Nutrient Model ELEMENT (Exploration of Long-Term Nutrient Trajectories) to Canadian and European watersheds and with UCPH in WP3 to couple the nutrient model with hydro economic models</p>			

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