



<b>Name SURNAME: Marco Mancini</b>		
<b>Function:</b>	Full Professor of Hydrology Water Resources and Hydraulic Engineering	
<b>Institution:</b>	Politecnico di Milano (Italy)	<input type="checkbox"/> Funding Agency <input type="checkbox"/> Programme Manager
<b>Email:</b>	Marco.mancini@polimi.it	
<b>Phone:</b>		
<b>Division</b>	Department of Civil and Environmental Engineering	
<b>Areas of Expertise:</b>		
<p>The main research activities undertaken by Marco Mancini are related to the study of hydrological processes and their interactions with anthropic activities. He developed distributed hydrological models and algorithms for the use of remote sensing data in hydrology. Peculiar attention was given to flood problems and hydrologic water balance in support of hydraulic engineering design and operative forecast system for civil protection and water resource management. These activities were developed in collaboration with important national and international partners also supported by funded projects. Particular effort was devoted, together with the research group that he leads, in using remote sensing data, especially Synthetic Aperture Radar data and Land Surface Temperature data for improving basin hydrology with the purpose of supporting operative hydraulic engineering. Satellite data together with ground data are used not only for water balance equation parameterization, but also in the evaluation of model equation state variables.</p>		
<b>Short Description of your Institution:</b>		
<p>Department of Civil and Environmental engineering of Politecnico of Milano (DICA-POLIMI), in particular the hydrologic group, conducts research on applied hydrological science with a peculiar attention to the measures and modeling activities for engineering applications with the combined use of hydrological modelling, remote sensing data, ground measurements, meteorological forecast and climate change scenarios</p>		
<b>Role in the project:</b>		
<p>the scientific coordinator of the project and of POLIMI in the proposed project          The Unit is coordinating the project (WP0), is involved in the ground monitoring for the Italian case studies (WP1), in the hydrological modelling (WP3) and soil moisture forecast (WP5) for all the case studies.</p>		

Date, 16/9/2016