



PhD in INGEGNERIA AMBIENTALE E DELLE INFRASTRUTTURE / ENVIRONMENTAL AND INFRASTRUCTURE ENGINEERING - 39th cycle

Research Area n. 1 - Water Science and Engineering

OPEN SUBJECT Research Field: WATER SCIENCES AND ENGINEERING

Monthly net income of PhDscholarship (max 36 months)

€ 1195.5

In case of a change of the welfare rates during the three-year period, the amount could be modified.

Context of the research activity

<p>Motivation and objectives of the research in this field</p>	<p>Water and its environmental and engineering links play a key role in a modern sustainable development of human activities. The school of Politecnico of Milano is deeply involved from long time in national and international research activities in this field. The main research topics deal with scientific issues in the following areas (www.diiar.polimi.it/cimi/)</p> <ul style="list-style-type: none"> •Environmental fluid and pollutant dynamics; •Hydrogeological hazard; •Integrated water resources management; •Snow, ice and glacier dynamics; •Land surface processes; •Hydraulic structures and infrastructures; •Ocean and coastal engineering.
<p>Methods and techniques that will be developed and used to carry out the research</p>	<p>Research activities are performed considering theoretical development, technological application, numerical computational activities, field and laboratory experiment. Cooperation in national and international team is performed in the framework of dedicated projects.</p>
<p>Educational objectives</p>	<p>The PhD program is oriented to improve the scientific</p>



	background of each student, preparing the basis for a university researcher as professional specialist careers.
Job opportunities	Main opportunities in the job market include Universities, Research Centers, top level management in Authorities involved in environmental policy, and senior consultants for engineering companies.
Composition of the research group	2 Full Professors 6 Associated Professors 9 Assistant Professors 10 PhD Students
Name of the research directors	G. Becciu, M. Mancini, C. De Michele, C. Rulli

Contacts	
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Additional support - Financial aid per PhD student per year (gross amount)	
Housing - Foreign Students	--
Housing - Out-of-town residents (more than 80Km out of Milano)	--

Scholarship Increase for a period abroad	
Amount monthly	597.75 €
By number of months	6

Additional information: educational activity, teaching assistantship, computer availability, desk availability, any other information
<p>Educational activities (purchase of study books and material, funding for participation to courses, summer schools, workshops and conferences): financial aid per PhD student per year: max 1620,00 euros per student on average.</p> <p>Teaching assistanship (availability of funding in recognition of support to teaching activities by the PhD student) :there are various forms of financial aid for activities of support to the teaching practice. The PhD student is encouraged to take part in these activities, within the limits allowed by the regulations. Computer availability and desk availability: 1st year +2nd year +3rd year: individual use.</p>