

## Presentation of the course

The course aims at exploring issues related to the Project Cycle Management (PCM), with a particular focus on projects related to water, sanitation and solid waste management in resource-limited countries. Tools related to participatory approaches, dissemination and communication will be discussed, as well.

Theoretical basis for each topic will be provided, together with the presentation of several case studies. Class discussion and teamwork will give the opportunity to highlight social, health, economic and environmental aspects.

The course is addressed to:

- Ph.D. and Master students;
- professionals in Development Cooperation;
- researchers, professors, all interested people.

Participation is free of charge but subordinated to regular **registration** by sending an e-mail to the organizing secretariat writing full name, affiliation, address, e-mail and phone number by the **16th of June 2019**.

A maximum number of 30 people will be accepted. The course language is English.

A certificate of attendance will be issued for students attending at least 75% of the course.

### **Scientific committee**

Christoph Lüthi (christoph.luethi@eawag.ch)

Sabrina Sorlini (sabrina.sorlini@unibs.it)

Mentore Vaccari (mentore.vaccari@unibs.it)

Christian Zurbrügg (christian.zurbruegg@eawag.ch)

### **Organizing secretariat**

Dame Bop, Francine Castro Duarte, Carmencita Tonelini Pereira, Francesca Villa, Giovanni Vinti.

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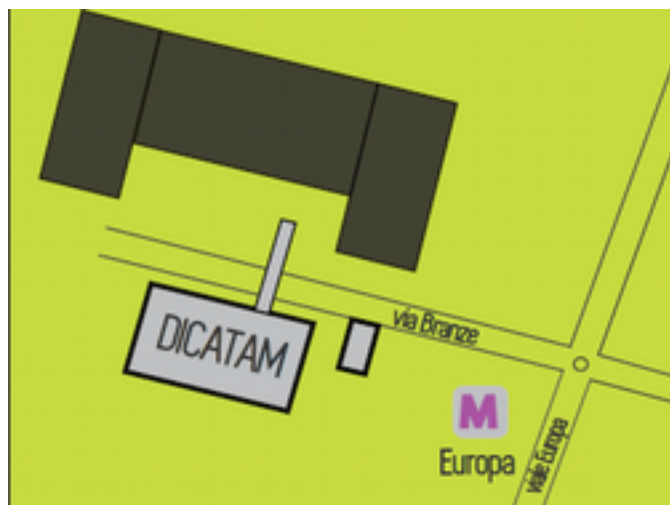
## CeTamb LAB

CeTamb LAB aims at conducting research on appropriate technical solutions to environmental issues in Low and Middle Income Countries. CeTamb LAB collaborates with partners such as NGOs or universities, to carry out research and education activities. So far, a number of projects has been developed on water and sanitation and energy recovery in several Countries, as Kenya, Senegal, Burkina Faso, Ghana, Gaza Strip, West Bank, Mozambique, Colombia, Peru, Brazil, Bosnia and Herzegovina, Cameroon, Chad, etc.

Detailed info available at:  
<http://cetamblab.unibs.it>

### HOW TO GET THERE

- By car: following the Highway A4 Milano-Venezia
  - from Milano, exit A4 at "Brescia Ovest" and follow indications to Stadio/Stadium or Ospedale/Hospital (North direction). After the hospital, turn right to via Branze.
  - from Verona or Piacenza, exit A4 at "Brescia Centro" and follow indications to Stadio/Stadium or Ospedale/Hospital.
- By train: At Brescia station take the metro towards "Prealpino", stop at "Europa" then follow the map.



UNIVERSITÀ  
DEGLI STUDI  
DI BRESCIA

**eawag**  
aquatic research **000**

**CeTamb LAB**  
Appropriate Technologies for Environmental  
Management in resource-limited Countries

**Sandec**  
Sanitation, Water and  
Solid Waste for Development

## **9th International Summer School**

# **Project Management Development:**

***a focus on water,  
sanitation and waste***

**24th - 28 th June 2019**

### **Coordinators**

Sabrina Sorlini, Mentore Vaccari

University of Brescia  
DICATAM - Room B.05  
Via Branze 43, Brescia (Italy)

# Project Management Development: a focus on water, sanitation and waste

## Course programme

Monday, 24th June	Tuesday, 25th June	Wednesday, 26th June	Thursday, 27th June	Friday, 28th June
<p><b>Opening of the Summer School</b></p> <p><u>Morning session (9 - 13):</u></p> <p>09:00 Participant registration</p> <p>10:00 Introduction to the summer school (S. Sorlini)</p> <p>10:30 The role of appropriate technologies in water, sanitation and waste management sectors: relation between health and environment</p> <ul style="list-style-type: none"> <li>Health aspects (F. Castelli)</li> <li>Social aspects (A. Casella and T. Park)</li> <li>Economic aspects (D. Castellani)</li> </ul> <p>12:00 Discussion</p> <p><u>Afternoon session (14 - 18):</u></p> <p><b>Project Cycle Management</b></p> <p><i>Mansoor Ali</i></p> <ul style="list-style-type: none"> <li>Project Ideas Generation</li> <li>Preparing Concept Notes</li> <li>Planning the Activities</li> <li>Project Budgets</li> <li>Project Monitoring and Evaluation</li> <li>Project Reviews and Learning</li> <li>Project Closures</li> <li>Project Exit and Sustainability</li> <li>Project Knowledge Generation and Dissemination</li> </ul>	<p><b>Participatory approaches to planning sanitation interventions</b></p> <p><i>Christoph Lüthi</i></p> <p><u>Morning session (9 - 13):</u></p> <ul style="list-style-type: none"> <li>What is a participatory approach to planning?</li> <li>What are the advantages and disadvantages of a participatory planning approach in sanitation?</li> <li>When is participatory planning appropriate?</li> <li>Presentation of CLUES planning approach with case studies</li> </ul> <p><u>Afternoon session (14 - 18):</u></p> <p>14:00 "Water &amp; Sanitation Project in Waruku, Nairobi":</p> <ul style="list-style-type: none"> <li>Group work on sanitation interventions for a slum settlement in Nairobi</li> <li>Presentation of group work results</li> </ul> <p>18:00 <u>Visit to the old town center of Brescia</u></p>	<p><b>Project Cycle Management applied to solid waste management</b></p> <p><i>Christian Zurbrügg</i></p> <p><u>Morning session (9 - 13):</u></p> <ul style="list-style-type: none"> <li>What are the main elements of municipal solid waste (physical and governance elements)?</li> <li>When are community-based solutions appropriate?</li> <li>How can community based solid waste management be planned and implemented?</li> <li>Introduction to group work</li> </ul> <p><u>Afternoon session (14 - 18):</u></p> <p>14:00 Case study presentation by Prof. Bojan Batinic, Novi Sad</p> <p>15:00 Group work "Solid Waste Project in Raipur, India":</p> <ul style="list-style-type: none"> <li>Project plan development for waste collection and recycling interventions for a slum settlement</li> <li>Presentation of group work results</li> </ul>	<p><b>Project Cycle Management applied to water management</b></p> <p><i>Maryna Peter-Varbanets</i></p> <p><u>Morning session (9 - 13):</u></p> <ul style="list-style-type: none"> <li>Sustainable development goals and drinking water</li> <li>Drinking water systems and technologies: from source to consumer</li> <li>Water safety and risk management frameworks</li> <li>Monitoring the results of the project and water quality indicators</li> <li>Water and Hygiene in Institutions</li> </ul> <p><u>Afternoon session (14 - 18):</u></p> <p>14:00 Case study presentation</p> <p>15:00 Group work</p>	<p><u>Morning session (9 - 13):</u></p> <p><b>DICACIM PhD Course "Appropriate Methods and Technologies for International Development Cooperation"</b></p> <p>9:00 Introduction (M. Vaccari)</p> <p>9:30 The experiences of the PhD candidates:</p> <ul style="list-style-type: none"> <li>Silvia Gibellini: Challenges of solid waste recycling system in Jordan: a focus on plastic and paper waste recovery in Irbid</li> <li>Francesca Villa: Solid waste management assessment: discussion on case studies</li> <li>Dame Bop: Appropriate solutions for the wastewater treatment and reuse in Senegal</li> <li>Virginia Quaresima: Is Plasmodium falciparum malaria incidence and severity in holo-endemic areas affected by gender?</li> <li>Carmencita Pereira Tonelini: Wash in schools</li> <li>Francine Castro Duarte: Valorization of resources from residues in the circular economy context</li> <li>Giovanni Vinti: Environmental pollution and health risks related to solid waste bad management in Low and Middle Income Countries</li> </ul> <p><u>Afternoon session (14 - 18):</u></p> <p>14:00 Final discussion on the summer school, contents and conclusion</p> <p>15:00 <u>Visit to the CeTAmb Laboratory</u></p>

### Extra visits:

- Old town center of Brescia (with the support of the association "Amici del FAI" Brescia)
- CeTAmb LAB Laboratory of Appropriate technologies (with the support of the staff)

**Speakers:** M. Ali (WEDC – UK), B. Batinić (University of Novi Sad – SRB), A. Casella (UCSC, Brescia – IT), D. Castellani (University of Bergamo – IT), F. Castelli (UniBS – IT), C. Lüthi (Sandec, EAWAG – CH), T. Park (Yale University - USA), M. Peter-Varbanets (University of Applied Sciences and Arts Northwestern Switzerland – CH), S. Sorlini (CeTAmb LAB, UniBS – IT), M. Vaccari (CeTAmb LAB, UniBS – IT), C. Zurbrügg (Sandec, EAWAG – CH)

**Ph.D. Students (UniBS):** D. Bop, F. C. Duarte, S. Gibellini, V. Quaresima, C. P. Tonelini, F. Villa, G. Vinti