In the Dortmund-Barcelona module we focus on metropolitan challenges that are facing so many urban agglomerations worldwide, through deep-dive into the cases of Rhine-Ruhr and Barcelona regions. Particular attention will be paid to making such regions more resilient, especially thanks to innovative governance approaches. This module is organized together with the Technical University of Dortmund and Polytechnic University of Catalonia.

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IGLUS Executive Master

The IGLUS Executive Master is a unique degree offering a comprehensive and professional approach to the sustainable governance of large urban systems, focussing on Efficiency, Sustainability and Resilience.

The Metropolitan Challenge
14 - 25 November 2016
The Dortmund-Barcelona module

The first week of the Dortmund-Barcelona module will take place in Dortmund (14 - 19 Nov), the second week in Barcelona (21 - 25 Nov). The Participants will attend lectures, workshop and field visits during 11 days of training. The following infrastructures and topical areas will be covered:

1. Green infrastructures
2. Energy systems
3. Transportation systems
4. Governance of metropolitan regions

If, after having attended this module, you decide to enroll in the IGLUS Executive Master, the module can be counted towards the Master degree, provided you write a small essay and are accepted by the EPFL admission office.

Who is there?

EPFL, the World Bank, BCG, UN-Habitat, Technische Universität Dortmund, Polytechnic University of Barcelona, Veolia, IBM, Cemex along with practitioners and experts from Dortmund, metropolitan area and Barcelona.

For whom is it?
- Urban planners
- City officials and public administrators
- Managers of urban infrastructure systems
- Managers of contracting firms
- Consultants and other interested persons in the management of large urban infrastructures

IGLUS partners:

Table: 6 cities, 6 challenges

<table>
<thead>
<tr>
<th>Place</th>
<th>Date</th>
<th>Performance dimension focus</th>
<th>Challenge</th>
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<tbody>
<tr>
<td>Mexico City, Guadalajara</td>
<td>2 - 13 Nov 2015</td>
<td>Resilience</td>
<td>The social challenge</td>
</tr>
<tr>
<td>Dubai</td>
<td>24 Jan - 4 Feb 2016</td>
<td>Sustainability</td>
<td>The environmental challenge</td>
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<td>Istanbul</td>
<td>4 - 15 Apr 2016</td>
<td>Resilience</td>
<td>The cultural challenge</td>
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<td>Seoul</td>
<td>6 - 17 June 2016</td>
<td>Efficiency</td>
<td>The technological challenge</td>
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<td>New York - Detroit</td>
<td>12 - 23 Sep 2016</td>
<td>Efficiency</td>
<td>The economic and financial challenges</td>
</tr>
<tr>
<td>Dortmund - Barcelona</td>
<td>14 - 25 Nov 2016</td>
<td>Resilience</td>
<td>The metropolitan challenge</td>
</tr>
</tbody>
</table>

An Executive Master degree can be obtained by following 5 of the 6 available modules within a two-year period. Each module consists of two weeks of training. In order to obtain the degree, a capstone 60-page Master thesis is also required.

Costs
• Tuition for the Executive Master: 20'000 CHF
• The tuition for one module taken separately and leading to a Certificate of Attendance jointly issued by EPFL and the partner University: 3000 USD
• Travel, accommodation and other logistics costs are at the expense of the participants.
• A limited amount of scholarships is available for both Master Program and modules

Admission requirements
1. A master’s or a 4-years Bachelor degree
2. Proficiency in English
3. Relevant professional experience

In order to enroll in the Dortmund-Barcelona module or in the IGLUS Executive Master, students first have to send us their CV to iglus@epfl.ch.

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