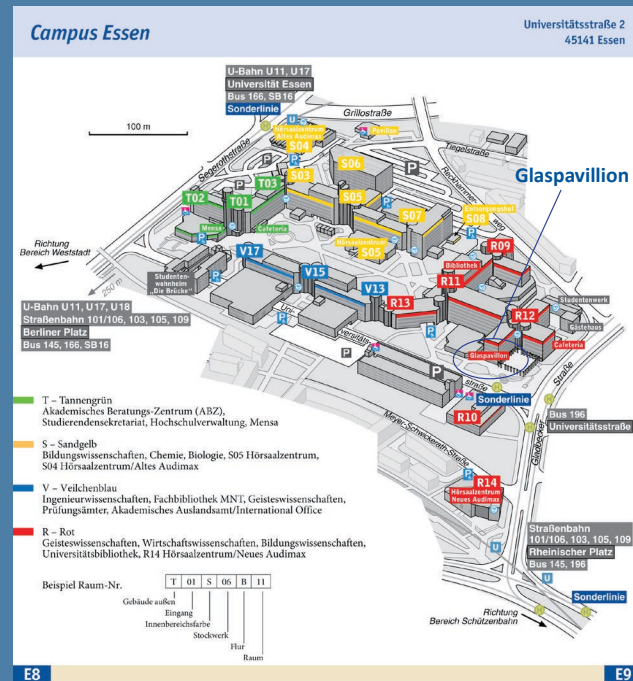


## How to find us:



### Venue:

University of Duisburg-Essen  
Glaspavillon  
Room # R12 S00 H12  
Universitätsstraße 2  
45141 Essen  
Germany

### For detailed directions, please see:

<https://www.uni-due.de/ub/en/eanfahrt.shtml>

### Participation:

The Panel Discussion on 5 Oct. 17:00-19:00 is open to the public. For participation, please register here:  
[www.leopoldina.org/en/water-management](http://www.leopoldina.org/en/water-management)  
The rest of the workshop is upon invitation only.

The **German National Academy of Sciences Leopoldina** brings together the expertise of some 1,500 distinguished scientists to bear on questions of social and political relevance, publishing unbiased and timely scientific opinions. The Leopoldina represents the German scientific community in international committees and pursues the advancement of science for the benefit of humankind and for a better future.

The **Brazilian Academy of Science (ABC)**, founded in 1916, is a non profit, non governmental, independent entity which operates as an honorific scientific society and as a consultant for the government, when requested to do so, to perform technical studies and studies on scientific policies. Its focus is the scientific development of the Country, the interaction among Brazilian scientists and the interaction of these with researchers from other nations.

The **Centre for Water and Environmental Research** is an interdisciplinary research centre at the University of Duisburg-Essen. Since 2003 it brings together experts from different disciplines working in the field of water and environmental research.



## How Do We Want to Live Tomorrow?

### Perspectives on Water Management in Urban Regions

#### Workshop

Monday, 4 – Friday, 7 October 2016

University of Duisburg-Essen  
Glaspavillon  
Universitätsstraße 2  
45141 Essen, Germany

### Contact

Dr. Jan Nissen  
German National Academy of Sciences Leopoldina  
Tel.: +49 (0)345 472 39 - 834  
E-Mail: [jan.nissen@leopoldina.org](mailto:jan.nissen@leopoldina.org)

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[www.leopoldina.org](http://www.leopoldina.org)

## How Do We Want to Live Tomorrow?

### Perspectives on Water Management in Urban Regions

The sustainable use of water resources is essential in order to ensure a livable environment for future generations. Thus, an innovative and efficient water management plays an important role for the development of urban regions not only now, but also with regard to the future. When designing our cities, the central question should be “how do we want to live tomorrow?” in order to create urban areas providing quality living also in the future.

This workshop continues the series “Water in Urban Regions”, initiated by the Leopoldina and the Brazilian Academy of Science (ABC) in 2014. Considering the motto “how do we want to live tomorrow?”, young scientists from Germany and Brazil identify and discuss research topics and questions, which – from their perspective – are relevant for the future of urban water management.

Thereby, the workshop addresses challenges for urban water management due to changing urban infrastructures. It integrates different perspectives on water management, including society and ecology and incorporates different concepts, such as recreation ecology.



# Programme

## Monday, 3 Oct. 2016

|                        |                       |
|------------------------|-----------------------|
| <b>19:00</b>           | <b>Welcome Dinner</b> |
| Restaurant Mezzo Mezzo |                       |

## Tuesday, 4 Oct. 2016

|   |                |
|---|----------------|
| <b>09:00-09:30</b>  | <b>Welcome</b> |
| Prof. Dr. Ulrich Radtke ML<br><i>Rector, University of Duisburg-Essen</i> |                |

Prof. Dr. Jörg Hacker ML  
*President, German National Academy of Sciences Leopoldina*

Prof. Dr. José Tundisi  
*Representative, Brazilian Academy of Sciences  
International Institute of Ecology, São Carlos*

### Presentations

**Moderation:**  
Prof. Dr. Ulrich Radtke ML, *Rector, University of Duisburg-Essen*

|   |
|---|
| <b>09:30-10:00</b>  |
| <b>Water management in Brazil</b>   |
| Prof. Dr. José Tundisi<br><i>International Institute of Ecology, São Carlos</i> |

|   |
|---|
| <b>10:00-10:30</b>  |
| <b>Integrated water management in Germany with special focus on the Ruhr region</b> |
| Prof. Dr. André Niemann<br><i>ZWU, University of Duisburg-Essen</i>                 |

|                    |              |
|--------------------|--------------|
| <b>10:30-11:00</b> | <b>Break</b> |
|--------------------|--------------|

**Moderation:**  
Prof. Dr. Jörg Hacker ML, *President, Leopoldina*

|  |
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| <b>11:00-11:30</b>                           |
| <b>The Ruhr area: a region in transition</b> |
| N.N.<br><i>University of Duisburg-Essen</i>  |

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|---|
| <b>11:30-12:00</b>  |
| <b>The rehabilitation of the river Emscher – technical conversion and ecological re-invention of an open sewer as contribution to the infrastructural improvement of the conurbation Ruhrgebiet</b> |
| Dr. Mario Sommerhäuser & Prof. Dr. Daniel Hering<br><i>Emscherгенossenschaft / Lippeverband &amp; ZWU, University of Duisburg-Essen</i>   |

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|--------------------|--------------------|
| <b>12:00-13:00</b> | <b>Lunch break</b> |
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| <b>13:00-13:45</b>                  |
| <b>Introduction to the workshop</b> |

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| <b>Identification of central topics</b>   |
| <b>13:45-16:00</b>  |
| <b>Group work</b>   |
| Formation of random groups among the young scientists<br><i>Task: Identification of 2-3 central topics for future innovative research per group</i> |

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| <b>16:00-16:30</b> | <b>Break</b> |
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| <b>16:30-18:00</b>   |
| <b>Plenum</b>  |
| Discussion on the definition and demarcation of the topics<br><i>Task: Determination of max. 4 central topics for the workshop</i> |

**Moderation:**  
Prof. Dr. Peter Fritz ML, *Helmholtz Centre for Environmental Research (UFZ)*  
Prof. Dr. José Tundisi, *International Institute of Ecology, São Carlos*

|                              |                                |
|------------------------------|--------------------------------|
| <b>19:00</b>                 | <b>Official Opening Dinner</b> |
| Restaurant Casino Zollverein |                                |

## Wednesday, 5 Oct. 2016

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| <b>09:00-11:00</b>  |
| <b>Group work</b>   |
| in the identified thematic fields (new groups)<br><i>Task: Concretisation of identified central topics and formulation of future research questions</i> |

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| <b>11:00-11:30</b> | <b>Break</b> |
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| <b>11:30-12:30</b>                                    |
| <b>Plenum</b>   |
| Short presentations of the discussion and the results |

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| <b>12:30-14:00</b> | <b>Lunch break</b> |
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| <b>14:00-16:30</b>   |
| <b>Group work</b>  |
| <i>Task:</i>   |
| <ul style="list-style-type: none"><li><i>Write 1-2 pages summarizing discussion results and future research questions (first draft for chapter of policy paper)</i></li><li><i>Prepare short presentations (5 min.) of the discussion and results for evening panel discussion</i></li></ul> |

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| <b>16:30-17:00</b> | <b>Break</b> |
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| Public event   |                  |
|--|------------------|
| 17:00-19:00  | Panel discussion |
| Short presentations by workshop participants (5 min. each group) |                  |

**Panellists:**  
Dr. Volker Wachendörfer  
*German Federal Environmental Foundation (DBU)*

Prof. Dr. José Tundisi  
*International Institute of Ecology, São Carlos*

Prof. Dr. Norbert Jardin  
*Technical Director, Ruhrverband*

PD Dr. Thomas Kluge  
*Co-Founder, Institute for Social-Ecological Research*

**Moderation:**  
Prof. Dr. André Niemann  
*Chair, Institute of Hydraulic Engineering and Water Resources Management, University of Duisburg-Essen*

|              |                         |
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| <b>19:00</b> | <b>Dinner reception</b> |
|--------------|-------------------------|

## Thursday, 6 Oct. 2016

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| <b>09:00-11:00</b>  |
| <b>Group work</b>   |
| <i>Task:</i>  |
| <ul style="list-style-type: none"><li><i>Integrate input from panel discussion</i></li><li><i>Prepare text for distribution</i></li></ul> |

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|--------------------|--------------|
| <b>11:00-11:30</b> | <b>Break</b> |
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| <b>11:30-12:30</b>   |
| <b>Group work</b>  |
| <i>Task: Exchange of statements between groups and give feedback</i> |

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|--------------------|------------------------------|
| <b>12:30-14:30</b> | <b>Lunch break/excursion</b> |
|--------------------|------------------------------|

Kruppgürtel and Margarethenhöhe, Essen

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| <b>14:30-15:30</b>                         |
| <b>Group work</b>                          |
| <i>Task: Integrate feedback into draft</i> |

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| <b>15:30-16:00</b> | <b>Break</b> |
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| <b>16:00-16:30</b>   |
| <b>Group Work</b>  |
| <i>Task: Discuss points relevant for executive summary</i> |

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|---------------------------------|
| <b>16:30-17:30</b>              |
| <b>Plenum</b>                   |
| Discussion of executive summary |

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|--------------|---------------|
| <b>18:30</b> | <b>Dinner</b> |
|--------------|---------------|

## Friday, 7 Oct. 2016

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| <b>09:00-10:30</b>  |
| <b>Group work</b> in small group (1 representative from each group) |
| <i>Task: Write executive summary</i>                                |

**Plenum**  
*Task: Joint reading and polishing*

|  |
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| <b>10:30-11:00</b>                                     |
| <b>Plenum</b>  |
| Presentation and final discussion of executive summary |

|                          |
|--------------------------|
| <b>11:00-11:30</b>       |
| <b>Workshop feedback</b> |

|                     |                  |
|---------------------|------------------|
| <b>11:30-15:30</b>  | <b>Excursion</b> |
| Phönixsee, Dortmund |                  |

|                           |                        |
|---------------------------|------------------------|
| <b>15:30</b>              | <b>End of workshop</b> |
| Departure of participants |                        |

