12th UIC Sustainability Conference

The railway to a greener life!

VENICE 2012

25, 26, 27 October 2012
### 12th UIC Sustainability Conference

**Programme**

#### Day 1

<table>
<thead>
<tr>
<th>Time</th>
<th>Morning</th>
<th>Afternoon</th>
<th>Evening</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00</td>
<td>WELCOME &amp; OPENING</td>
<td>14:30 PLENARY SESSION</td>
<td>18:30 PRIVATE VISIT TO PALAZZO DUCALE</td>
</tr>
<tr>
<td>09:45</td>
<td>PLENARY SESSION</td>
<td>15:30 COFFEE BREAK</td>
<td>21:00 GALA DINNER AT SALONE DEL RIDOTTO</td>
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<tr>
<td>11:00</td>
<td>COFFEE BREAK</td>
<td>16:00 PLENARY SESSION</td>
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<tr>
<td>13:00</td>
<td>NETWORKING LUNCH</td>
<td>17:00 CONCLUSION OF DAY 1</td>
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</tbody>
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#### Day 2

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<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>09:00</td>
<td>WELCOME &amp; OPENING</td>
<td>14:30 UIC PLENARY SESSION</td>
<td>FREE EVENING IN VENICE</td>
</tr>
<tr>
<td>09:30</td>
<td>PARALLEL SESSION 1: UIC EXPERT NETWORKS</td>
<td>RIVAS MID TERM CONFERENCE</td>
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<tr>
<td>11:00</td>
<td>COFFEE BREAK (UIC &amp; RIVAS)</td>
<td>RIVAS MID TERM CONFERENCE</td>
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<tr>
<td>11:30</td>
<td>PARALLEL SESSION 2: « HOT TOPICS »</td>
<td>16:00 COFFEE BREAK (UIC &amp; RIVAS)</td>
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<tr>
<td>13:00</td>
<td>NETWORKING LUNCH (UIC &amp; RIVAS)</td>
<td>16:30 JOINT FINAL PLENARY SESSION (UIC &amp; RIVAS)</td>
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<tr>
<td></td>
<td></td>
<td>17:30 CONFERENCE CONCLUSION (UIC &amp; RIVAS)</td>
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#### Day 3

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<thead>
<tr>
<th>Time</th>
<th>Morning</th>
<th>Afternoon</th>
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<tbody>
<tr>
<td>09:00</td>
<td>TECHNICAL VISIT TO ACC MESTRE AND TO MOSE (DEPARTURE POINT: PIAZZALE ROMA)</td>
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<tr>
<td>13:00</td>
<td>END OF CONFERENCE</td>
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</table>

09:00 WELCOME & OPENING
14:30 PLENARY SESSION
15:30 COFFEE BREAK
16:00 PLENARY SESSION
17:00 CONCLUSION OF DAY 1
18:30 PRIVATE VISIT TO PALAZZO DUCALE
21:00 GALA DINNER AT SALONE DEL RIDOTTO

09:00 WELCOME & OPENING
09:30 PARALLEL SESSION 1: UIC EXPERT NETWORKS
11:00 COFFEE BREAK (UIC & RIVAS)
11:30 PARALLEL SESSION 2: « HOT TOPICS »
13:00 NETWORKING LUNCH (UIC & RIVAS)
14:30 UIC PLENARY SESSION
15:30 RIVAS MID TERM CONFERENCE
16:00 COFFEE BREAK (UIC & RIVAS)
16:30 JOINT FINAL PLENARY SESSION (UIC & RIVAS)
17:30 CONFERENCE CONCLUSION (UIC & RIVAS)

09:00 WELCOME & OPENING
09:30 TECHNICAL VISIT TO ACC MESTRE AND TO MOSE (DEPARTURE POINT: PIAZZALE ROMA)
13:00 END OF CONFERENCE
# 12th UIC Sustainability Conference Programme

## Day 1: Strategy Day  
**Morning Session**  
*Thursday 25 October 2012*

### Welcome and Opening

- **08:15-09:00**  Registration of participants

### Worldwide and Europe: Addressing economic, social, and environmental aspects of sustainability

- **09:00-09:45**
  - Giorgio Orsoni, *Mayor of Venice*
  - Jean-Pierre Loubinoux, *Director General, UIC*
  - Siim Kallas, *Vice-President of the European Commission (video speech)*
  - Mauro Moretti, *CEO Ferrovie dello Stato Italiane, Vice-Chairman of UIC, Chairman of CER*
  - Domenico Crocco – *Head of Department of Infrastructure, General Affairs and Human Resources, Ministry of Infrastructure and Transport, Italy*

- **09:45-11:00**
  - **Keynote Address: Sustainable Development and Russian Railways**  
    *Vladimir Yakunin, President, Russian Railways*
  - **UIC vision for sustainable development and actions at Rio+20**  
    *Jean-Pierre Loubinoux, Director General, UIC*
  - **The $175 billion for sustainable transport agreed at Rio+20: What opportunities for the railway sector?**  
    *Marc Juhel, Sector Manager for Transport, World Bank*
  - **Sustainable Transport – Moving forward from Rio+20**  
    *Cornie Huizenga, Partnership on Sustainable, Low Carbon Transport (SLoCaT)*
  - **Rio+20 outcomes: Perspectives for sustainable transport**  
    *Ralph Wahnschafft, United Nations Department of Economic and Social Affairs*

- **11:00-11:30**  Coffee break

- **11:30-13:00**
  - **UIC & CER Sustainability Strategy: Moving Towards Sustainable Mobility**  
    *Joachim Kettner, Deutsche Bahn AG, Chairman UIC Environment, Energy & Sustainability Platform*
  - **The role of rail in meeting the White Paper on transport’s greenhouse gas reduction target of 60%**  
    *Keir Fitch, Deputy Head of Cabinet of Siim Kallas, Vice-President of the European Commission*
  - **Innovation and research for a sustainable railway system**  
    *Philippe Citroën, Director General, UNIFE*
  - **EU policy: the key drivers for greening transport**  
    *Libor Lochman, Executive Director, CER*
  - **Messages from the latest data: Insights from the TERM report 2012**  
    *Alfredo Sánchez Vicente, Project manager – Transport, European Environment Agency*

- **13:00-14:30**  Lunch and networking
# 12th UIC Sustainability Conference Programme

## Day 1: Strategy Day  
### Afternoon Session

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</table>
| 14:30-15:30 | **Panel Discussion: The role of legislative frameworks in the development of sustainable railway transportation**  
**Moderator:** Lanfranco Senn, Professor of Political Analysis and Public Management  
- Mauro Moretti, CEO Ferrovie dello Stato Italiane  
- Paolo Costa, Chairman of the Port Authority in Venice  
- Mario Valducci, Chairman of the 9th Transport and Telecommunication Commission, Chamber of Deputies of Italy  
- Antonio D’Ali, Chairman of the 13th Land, Environment and Environmental Public Goods Commission, Senate of the Republic of Italy (tbc)  
- Angelo Alessandri, Chairman of the 8th Public Works and Environment Commission, Chamber of Deputies of Italy  
- Edoardo Zanchini, Vice Chairman Legambiente and Responsible for Transportation  
| 15:30-16:00 | Coffee break                              |
| 16:00-16:30 | **Rail and Sustainable Cities**                                                               |
| 16:30-17:00 | Concluding remarks                          |

## Evening Programme

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</table>
| 18:30-23:00 | Evening Programme  
- Departure from conference venue by boat for visit to Palazzo Ducale  
- Gala dinner and reception at Salone del Ridotto, Hotel Monaco Grand Canal  
- End of evening programme |
## Day 2: Technical Day  
**Morning Session**  
Friday 26 October 2012

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>08:30-09:00</td>
<td>Registration of participants</td>
</tr>
</tbody>
</table>
| 09:00-09:20 | Welcome and Opening - Jerzy Wisniewski, Director Fundamental Values, UIC  
Followed by the separation into the 12th UIC Conference and the RIVAS Mid-Term Conference (See RIVAS separate programme and project website [www.rivas-project.eu](http://www.rivas-project.eu)) |

### Parallel Sessions n°1: UIC Expert Networks

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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</table>
| 09:30-11:00 | Energy Efficiency & CO$_2$: “Railways & Renewables”  
Co-Chairs: Markus Halder, SBB and Veronica Aneris, UIC  
- Introduction and objectives of the session Markus Halder and Veronica Aneris  
- Renewable Energy Use: Stakeholder acceptance of different qualities  
  Ulrich Ostermayer, DB Environment Centre  
- Renewable Energy Production: Implementation examples at Infrabel  
  Heleyn Pascal, Infrabel  
- Workshop and discussion  
- Conclusions by Co-Chairs: Markus Halder and Veronica Aneris |

#### Sustainable Mobility  
Co-Chairs: Margrethe Sagevik, NSB and Luigi Contestabile, Trenitalia  
- UIC Sustainability Declaration and Cooperation with the United Nations  
  Margrethe Sagevik, NSB and Alexander Veitch, UIC  
- Rail, Energy and CO$_2$: Moving towards sustainability  
  Francois Cuenot, International Energy Agency  
- United Nations Environment Programme: Sustainable Transport Initiatives  
  Rie Tsutsumi, Programme Officer, UNEP  
- Panel Discussion: Rio+20, the United Nations and Railways  
  Ralph Wahnschafft, United Nations; Cornie Huizenga, SLoCaT; Francois Cuenot, International Energy Agency; Rie Tsutsumi UNEP |

#### Sustainable Land Use  
Chair: Jan Fokkens, SBNS  
- Introduction: The importance of sustainable land use  
  Joachim Kettner, Deutsche Bahn AG, Chairman UIC Environment, Energy & Sustainability Platform  
- Innovative, zero emission remediation of polluted soil at Dutch railways  
  Johan van Leeuwen, SBNS  
- Rail infrastructure and nature protection at ÖBB – synergies and conflicts  
  Thomas Schuh, ÖBB |
### Day 2: Morning Session

UIC Expert Networks (continued)

#### Sustainable Land Use (continued)
- **Sustainable Land Use in Serbian Railways** Dragan Marinkovich, Serbian Railways
- **Key Issues for Sustainable Land Use, and Questions for Debate**
  Malin Andersson, Trafikverket and UIC Sustainable Land Use Network

#### Emissions

Chair: Willy Bontinck, SNCB

- **Right on track to reduce emission from Diesel rolling stock: Results from EU project CleanER-D**
  Judit Sandor, UNIFE and Henning Schwarz, Deutsche Bahn / UIC
- **Advances in After-Treatment Technologies and Alternative Fuels**
  Centre for Railway Research, Newcastle University (speaker tbc)
- **Industry activities on chemical substances to comply with the REACH regulation**
  Sara Paulsson, Bombardier, UNIFE Chemical Risk Topical Group
- **Air Quality in Underground Stations**
  Willy Bontinck, SNCB and Alexandre Kaddouri, SNCF

#### Noise

- Please see RIVAS Mid-Term Conference programme, which includes an update on the UIC Noise and Vibration Network

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>11:00-11:30</td>
<td><strong>Coffee break, networking for UIC Conference and RIVAS Mid-Term Conference</strong></td>
</tr>
</tbody>
</table>

#### Parallel Sessions n°2 : “Hot topics”

**Climate Change Adaptation**

Chair: Alexandre Kaddouri, SNCF

- **Introduction and objectives of the session** Alexandre Kaddouri, SNCF
- **Italian perspective on climate change adaptation**
  Gian Piero Pavirani, Head of Maintenance Engineering RFI (Infrastructure Manager)
- **Climate change adaptation and extreme weather events**
  - Information and prediction tools - Renfe experience
    Florenci Rey, CEO of Borrasca, Iniciativas Atmosféricas
  - Adaptation research and system approaches in the UK
    John Dora, UK
  - Snow problems and other natural hazards
    Kazuhiro Aida, East Japan Railway Company
  - Adaptation of rolling stock to extreme weather conditions
    Veronique Andries, Alstom, UNIFE Sustainable Transport Committee
- **Next steps – developing a climate adaptation strategy for the rail sector**
  - EU political context and CER vision on adaptation: Ilja Lorenzo Volpi, CER
  - Discussion: Joint working, European Standards and UIC guidelines
- **Conclusions from the Chair** Alexandre Kaddouri, SNCF
### Multi-Modal Integration
Chair: Conrad Haigh, ATOC

- **Innovations in sustainable mobility: Case studies from Italy**
  *Luigi Contestabile, Head of Sustainability, Trenitalia*

- **Cycle-Rail integration in the UK: Progress and challenges**
  *Phillip Darnton, Chair, Cycle Rail Working Group, UK*

- **Multi-Modal Integration: Case studies from around the world**
  *Alexander Veitch, Head of Unit – Sustainable Development, UIC*

### External costs, taxes and pricing
Chair: Matthew Ledbury, Senior Policy Adviser, Environment, CER

- **Introduction and EU policy overview**
  *Matthew Ledbury, Senior Policy Adviser, Environment, CER*

- **Greening Transport: Latest research on external costs**
  *Gunnar Alexandersson, Deputy CEO, ASTOC*

- **The role of externalities in the Cost Benefit Analysis of the Rome-Milan HS line**
  *Franco Stivali, Head of Investment Planning and Evaluation, Ferrovie dello Stato Italiane*

- **Internalisation of external costs: The example of the Swiss Heavy Vehicle Fee**
  *Ueli Balmer, Deputy Head Transport Policy Section, Swiss Federal Office for Spatial Development*

### Sustainable Procurement
Chair: Olivier Menuet, Vice President - Sustainable Procurement, SNCF

- **The implementation of Sustainable Procurement creates value: A global value for business, the environment, society and suppliers**
  *Olivier Menuet, Vice President - Sustainable Procurement, SNCF*

- **Green Procurement: a policy of services and products in Trenitalia**
  *Luciana Perfetti, Procurement Director, Trenitalia*

- **Sustainable Procurement in Indian Railways: Strategy to lead the change**
  *Sanjay Kumar, Northern Railway, India*

- **Recyclability and recoverability calculation method for Rolling Stock**
  *Walter Struckl, Siemens, UNIFE Life Cycle Assessment Topical Group*

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13:00-14:30 Lunch break, networking for UIC Conference and RIVAS Mid Term Conference
## 12th UIC Sustainability Conference

### Programme

#### Day 2: Technical Day

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td><strong>UIC Conference Plenary Session</strong></td>
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<tr>
<td>14:30-16:00</td>
<td><strong>Moderator:</strong> Ian Papworth, Director, Ian Papworth &amp; Associates Ltd</td>
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<td><strong>UIC Sustainability Awards 2012</strong></td>
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<tr>
<td></td>
<td>• Sustainable Mobility award</td>
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<td></td>
<td>• Sustainable Land Use award</td>
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<td>• Energy and CO₂ award</td>
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<td>• Jury’s Special Prize</td>
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<td>• Featuring presentations by the winners</td>
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<td><strong>Feedback from Parallel Sessions</strong></td>
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<tr>
<td></td>
<td>• Chairs of Parallel Sessions</td>
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<td></td>
<td><strong>Flood prevention in Venice</strong></td>
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<td>• Briefing on the MOSE flood prevention system</td>
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<td>Ciriaco D’Alessio, Chairman, Magistrato delle Acque di Venezia</td>
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<tr>
<td>16:00-16:30</td>
<td>Coffee break, networking for UIC Conference and RIVAS Mid Term Conference</td>
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#### Final Plenary Session: UIC Conference and RIVAS Mid-Term Conference

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>16:30-17:30</td>
<td><strong>Moderator:</strong> Jean-Pierre Loubinoux, Director General, UIC</td>
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<tr>
<td></td>
<td><strong>The policy perspective on a more sustainable way of transportation</strong></td>
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<td>• Debora Serracchiani, Member of the European Parliament, Italy</td>
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<td>• Luigi Grillo, Chairman of the 8th Commission Public Works and Communications, Senate of the Republic of Italy</td>
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<td></td>
<td><strong>Reflections on the 12th UIC Sustainability Conference</strong></td>
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<td>• Joachim Kettner, Chairman UIC Environment, Energy &amp; Sustainability Platform</td>
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<td><strong>Special Guest Speaker</strong></td>
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<td>• Corrado Clini, Minister of Environment, Italy</td>
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<td></td>
<td><strong>Closing remarks</strong></td>
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<td>• Jean-Pierre Loubinoux, Director General, UIC</td>
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<tr>
<td>17:30</td>
<td>Closure of the Conference</td>
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*Free evening in Venice*
Day 3: Technical Visits
Saturday 27 October 2012

09:00  Meeting point: Piazzale Roma

Visit 1. Technical Visit of Apparato Centrale Computerizzato (ACC), in Mestre

The Mestre Interlocking is a programmable electronic safety system developed by Ansaldo, known as ACC (Apparato Centrale Computerizzato). It is used for the command and control of railway signalling applications (stations, lines, etc.), and is in charge of managing the functions that link the Italian signalling system with those of other European railways.

In addition, the ACC has the ability to automatically diagnose the electronic system (computer, memories, actuators, etc.) and the field elements (switches, lamps, etc.), assisting the railway operator and the maintenance staff. The system has drastically reduced the number of faults, and therefore increased the reliability and availability of the railway infrastructure.

Visit 2. The MOSE System of Venice

The MOSE System to safeguard Venice from high waters consists of mobile barriers able to temporarily separate the lagoon from the sea. It is being constructed at the lagoon inlets of Lido, Malamocco and Chioggia, the three openings in the barrier island through which tides enter the lagoon.

The mobile barriers consist of rows of gates. In normal tidal conditions, the gates (a type of pontoon) rest in caissons on the bed in the inlets, completely invisible and without affecting the tidal flow between sea and lagoon. During high waters, they are raised and prevent the tide from entering. When the gates are in operation, the continuity of port operations will be guaranteed by a lock for large shipping being constructed at the Malamocco inlet.

The MOSE system can protect the lagoon and its cities from tides of up to 3 metres and will therefore be effective even if the level of the sea rises significantly during the next few decades.

13:00  End of the Visits
Venue:
VTP, Terminal 103

Palazzo Ducale

Salone del Ridotto
Hotel Monaco Grand Canal
San Marco, 1332
30124 Venice
T.: +39 041 520 0211

Salone del Ridotto

Piazzale Roma, Automatic People Mover station

Palazzo Ducale

Venue:
VTP, Terminal 103
# 12th UIC Sustainability Conference

## Practical Information

### VENUES:

<table>
<thead>
<tr>
<th>Conference:</th>
<th>Venezia Terminal Passeggeri (VTP), Terminal 103</th>
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<tbody>
<tr>
<td>25-26 October 2012</td>
<td>Marittima Fabbricato 248 – 30135 Venezia Tel: +39 041 240 30 00</td>
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<td>VTP Website: <a href="http://www.vtp.it">http://www.vtp.it</a></td>
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<td></td>
<td><strong>Access:</strong></td>
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<td></td>
<td>To access Terminal 103 use the shuttle train called the <em>Automatic People Mover</em> from <em>Piazzale Roma</em> to the <em>first stop</em> <em>Porto Marittima</em>. Then walk to Terminal 103.</td>
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<td>A one way ticket is 1€. It is advised to buy return tickets.</td>
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<tr>
<th>Evening Events:</th>
<th>Palazzo Ducale, Piazzetta San Marco, 1 - 30124 Venezia</th>
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<tbody>
<tr>
<td>25 October 2012</td>
<td><strong>18:30</strong> Departure by boat from conference venue for private visit to Palazzo Ducale.</td>
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<tr>
<td></td>
<td><strong>Salone del Ridotto, Hotel Monaco Grand Canal, San Marco 1332</strong></td>
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<td></td>
<td>Located in the San Marco district, near Piazza San Marco and Giardini Reali.</td>
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<td><strong>21:00</strong> Gala Dinner</td>
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<thead>
<tr>
<th>Technical Visits:</th>
<th>ACC in Mestre</th>
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<tbody>
<tr>
<td>27 October 2012</td>
<td><strong>09:00</strong> Meet at Piazzale Roma. Then bus trip to ACC.</td>
</tr>
<tr>
<td></td>
<td><strong>The MOSE</strong></td>
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<td>By boat directly after the ACC visit.</td>
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</tbody>
</table>

### LANGUAGES:

- Italian, English, Russian Interpretation in plenary sessions
- English language **only** in workshops, reports and papers

### CONFERENCE WEBSITE: www.uic-environment.org

### CONTACT:

- Email: [Venice_Contact@uic.org](mailto:Venice_Contact@uic.org)
- UIC phone contact for urgent matters: Alexander Veitch +33 6 2842 1255