

Flood protection needs global expertise.
Where it all flows together –

acqua alta 2011

11–13 October 2011
CCH – Congress Center Hamburg
www.acqua-alta.net

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acqua alta 2011 from 11–13 October

Exhibition

acqua alta in Hamburg

The impact of climate change is apparent everywhere – as sea levels rise and severe regional rainfall and flooding events become more frequent, threatening human settlements and animal habitats.

acqua alta is the only dedicated exhibition and conference event that highlights in-depth expert exchange on climate change and its impact on floods, coastal protection and disaster management. It will give government officials, industry experts, scientists, engineers and specialists from city administrations and local authorities from all parts of the world opportunities to obtain information and discuss the latest developments and strategies.

Insights into complex issues

One of the strengths of acqua alta is its unique range of subjects. You can look forward to innovative exhibits and insightful presentations in these sectors:

- Climate impact
- Flood protection
- Risk and disaster management
- Coastal protection
- Hydropower, barrages and dams
- Building by the water, hydraulic and civil engineering
- Research and development, services

What to expect at the acqua alta exhibition

acqua alta not only gives you access to a very informative exhibition, but also provides an attractive supporting programme which you can attend free of charge as an exhibition visitor:

- Open Space – Exhibitor Forum (an integrated part of the conference, held in the middle of the exhibition)
- Thematic guided tours of the exhibition
- Practical demonstrations by exhibitors
- Site visits:
 - I – Building by the water
 - II – Hamburg's defence against storm tides
 - III – IBA Dock and Elbe Island

If you are interested in going on a site visit, please register at www.acqua-alta.net/site_visits

Secure your ticket for the exhibition now

Book your online ticket for the exhibition at www.acqua-alta.net. Admission tickets cost EUR 17.00 each incl. VAT.





Conference and seminars

More than an exhibition

Learn about research results, find out about innovations, talk to experts from all parts of the world at the high-powered conference and seminars, which are a major forum for exchange among the experts.

Your participation as a conference attendee includes:

- Exhibition (with supporting programme)
- acqua alta conference
- BWK seminar
- SKINT seminar
- Matchmaking
- Get-together
- Coffee breaks

■ BWK Seminar

The BWK (Association of Engineers for Water Management, Waste Management and Land Improvement) is holding a comprehensive full-day seminar on mobile flood protection systems within the framework of the international acqua alta conference.

■ SKINT Seminar

The Interreg IVB SKINT project (North Sea Skills Integration and New Technologies) supports the implementation of environmentally sound land use and water management planning. The SKINT Seminar on "International Water Law" provides information on the essentials of European water law.

Register now

Online registration

Secure your participation in the conference at www.aqua-alta.net. If you have questions on registration, please contact:

INTERPLAN AG, Office Hamburg

Phone: +49 40 3250-9230

E-mail: alta11@interplan.de

All prices*

Day tickets

Regular ticket:	EUR 170.00
Public service:	EUR 120.00
BWK members and partners:	EUR 100.00
Students:	EUR 25.00

3-day tickets

Regular ticket:	EUR 340.00
Public service:	EUR 240.00
BWK members and partners:	EUR 210.00
Students:	EUR 50.00

Groups on request

* Prices include VAT and free admission to the exhibition.



Conference programme acqua alta 2011

Tuesday, 11 October 2011

Climate impact and adaptation – strategy

- 09:30 – Opening of acqua alta 2011: on climate change
- 10:30 – Coffee break
- 11:00 – Panel I: Adaptation to climate change at international level
- 12:30 – Panel II: Flood, rainwater and delta management inland and in coastal areas
- 12:30 – Lunch break
- 14:00 – Thematic guided tours of the exhibition
- 12:30 – Presentations in Open Space – Exhibitor Forum
- 14:00 – Panel III: Adaptation to climate change in Germany
- 15:30 – Seminar I: SKINT seminar on international water law – Part I

- 15:30 – Coffee break
- 16:15 – Presentations in Open Space – Exhibitor Forum
- 16:15 – Panel IV: Marine forecasting systems
- 17:00 – Seminar I: SKINT seminar on international water law – Part II
- 17:00 – Round Table I: International disaster management
- 18:00 – Get together

Wednesday, 12 October 2011

Climate impact and adaptation – practice

- 09:00 – Plenary session: Flood and coastal protection, climate change and hydropower
- 10:00 – Panel V: Hydropower, riverbarrages and flood forecasting
- 11:00 – Seminar II: BWK seminar „Mobile flood protection systems in flood risk management“ – Part I
- 11:00 – Coffee break
- 11:30 – Presentations in Open Space – Exhibitor Forum
- 11:30 – Seminar II: BWK seminar „Mobile flood protection systems in flood risk management“ – Part II
- 12:30 – Panel VI: Coastal protection / conurbations – port construction
- 12:30 – Lunch break
- 14:00 – Thematic guided tours of the exhibition

- 12:30 – Presentations in Open Space – Exhibitor Forum
- 14:00 – Seminar II: BWK seminar „Mobile flood protection systems in flood risk management“ – Part III
- 14:00 – Panel VII: Coastal and flood protection / conurbations – building by the water, and spatial planning
- 15:30 – Coffee break
- 16:00 – Presentations in Open Space – Exhibitor Forum
- 16:00 – Seminar II: BWK seminar „Mobile flood protection systems in flood risk management“ – Part IV
- 17:30 – Panel VIII: Civil engineering / hydraulic engineering
- 17:30 – Site trips (for selection)
 - I – Building by the water
 - II – Hamburg protection from storm tides
 - III – IBA Dock and Elbe Island
- 19:00 – Networking Dinner

Thursday, 13 October 2011

Climate impact and adaptation – interaction

- 09:00 – Plenary session: Civic engagement and flood protection
- 10:00 – Panel IX: Floods – Civic engagement processes
- 11:00 – Coffee break
- 11:30 – Presentations in Open Space – Exhibitor Forum
- 11:30 – Panel X: Flood and coastal protection – Land use conflicts and near natural hydraulic engineering
- 12:30 – Lunch break
- 12:30 – Thematic guided tours of the exhibition
- 12:30 – Presentations in Open Space – Exhibitor Forum
- 13:30 – Panel XI: Flood and coastal protection – modelling

- 15:00 – Panel XII: Flood and coastal protection – innovative approaches
- 16:00 – Summary of acqua alta in Open Space – Exhibitor Forum

- acqua alta Congress
- Open Space – Exhibitor Forum
- BWK Seminar
- SKINT Seminar
- Guided tours and visits of the exhibition
- Site trips
- Breaks

Conference programme Tuesday, 11 October 2011

09:30 – 10:30 **Opening of acqua alta 2011 – on climate change**

Bernd Aufderheide, President and CEO of Hamburg Messe und Congress GmbH, Germany

Prof. Dr. (mult.) Dr. h.c. (mult.) Walter Leal, Hamburg University of Applied Sciences / Member of Intergovernmental Panel on Climate Change, WGII, Germany

Dr. Helge Wendenburg, Ministerial Director, Federal Ministry for the Environment, Nature Conservation and Nuclear Safety, Germany

Dr. Rajendra Kumar Pachauri, Chairman of the Intergovernmental Panel on Climate Change (IPCC), Switzerland

Dr. Juliane Rumpf, Minister of Agriculture, the Environment and Rural Areas of Schleswig-Holstein, Germany

10:30 – 11:00 **Coffee break**

11:00 – 12:30 **Panel I: Adaptation to climate change at international level**

European activities for adaptation to climate change and water levels

Peter Kristensen, European Environment Agency, Copenhagen, Denmark

Climate change risk assessment and flood management from overall planning to detailed design in Copenhagen

Arne Bernt Hasling, COWI - Consultancy within Engineering, Environmental Science and Economics, Denmark

Local adaptation as a future flood management strategy in Rotterdam?

Ir. Peter van Veelen, City of Rotterdam, Department of Urban Planning, The Netherlands

Flooding in Bangladesh – causes and management plan

Prof. Dr. Muhammad Qumrul Hassan, Department of Geology, University of Dhaka, Bangladesh and President of the Alumni Association of German Universities in Bangladesh, Bangladesh

11:00 – 12:30 **Panel II: Flood, rainwater and delta management inland and in coastal areas**

Role of the CSC in the implementation of decision support systems for regional transboundary flood management

Steffen Bender, Paul Bowyer, Michaela Schaller, Climate Service Center Hamburg, Germany

Retention potentials in existing housing areas

Prof. Dr.-Ing. Wolfgang Dickhaut, Dipl. Geoökologe Tobias Ernst, HafenCity University Hamburg, Architecture University, Germany

The flood forecasting structure for the River Raab - an example of international flood management

Dr. Robert Schatzl et al., Steiermark Government Office, Hydrographic Service, Steiermark, Austria

Development challenges of multi-functional coastal systems in the Niger delta, Nigeria

Prof. Yemi Akegbejo-Samsons, University of Agriculture, Department of Aquaculture and Fisheries Management, Nigeria

Quantification of climate change impacts on flood probability in urban areas and adaptation measures using climate model data with high spatial resolution and a semi-distributed rainfall runoff model

Dipl.-Ing. Sandra Hellmers, Hamburg University of Technology, Institute of Hydraulic Engineering, Germany

12:30 – 14:00 **Lunch break**

12:30 – 14:00 **Thematic guided tours of the exhibition**

12:30 – 14:00 **Presentations in Open Space – Exhibitor Forum**

Interactive computer game for European water managers
Neil Berwick et al., University of Abertay Dundee, Urban Water Technology Centre, UK

INNESYS-PLS, software for comprehensive visualisation of events and processes in flood protection

Martin Hortscht and Ralf Bormann, INNESYS GmbH, Germany

Use of hydraulic engineering and ground improvement techniques to create new land

Christian Herweg, Keller Grundbau GmbH, Germany

Conference programme Tuesday, 11 October 2011

14:00 – 15:30 Panel III: Adaptation to climate change in Germany

The German adaptation strategy

Petra Mahrenholz, Federal Environment Agency (UBA), Competence Centre for Climate Impact and Adaptation, Germany

Current climate forecasts for Germany up to 2100

Requirements for adaptation to climate change by Hamburg waste water authority – investigations in the KLIMZUG-NORD project

Dr. Nina Hüffmeyer, Hamburger Stadtentwässerung AöR, a company of HAMBURG WASSER, Germany

Adaptive capacity and governance of regional water management in North-Western Germany

Kevin Grecksch, Carl von Ossietzky University Oldenburg, Germany

A sensitivity study of storm surges under climate change in the Elbe estuary

Annette Schulte-Rentrop, Federal Waterways Engineering and Research Institute, Department of Hydraulic Engineering in Coastal Areas, Germany

14:00 – 15:30 Seminar I: SKINT seminar on international water law – Part I

Introduction to the Interreg North Sea Programme

Carsten Westerholt, Interreg North Sea Programme Secretariat, Denmark

Towards sustainable urban water management – the SKINT project

Arjen Grent, Hoogheemraadschap Hollands Noorderkwartier (HHNK), The Netherlands

Water law – German and European perspectives

Prof. Dr. Michael Reinhardt, University of Trier, Germany

Key aspects of the regulatory environment on water supply

Dr. Sabine Wrede, Federal Association of German Energy and Water Management, Germany

Moderation: Franziska Mannke, Hamburg University of Applied Sciences (HAW), Germany

15:30 – 16:15 Coffee break

15:30 – 16:15 Presentations in Open Space – Exhibitor Forum

Modelling and mapping of urban storm water flooding in conurbations – communication and prioritizing actions through mapping urban flood resilience

Floris Boogaard et al., Tauw by water NL, The Netherlands

Cost-efficient geo-monitoring of flood protection systems and structures with GPS / GNSS sensor networks

Werner Dransch, Dr. Christian Hesse, GEOTECHNOLOGIEN, Germany

Pumps for disaster control – using the right pumps in fluid damages

Erwin Weber, NETZSCH Mohnopumpen GmbH, Germany

16:15 – 17:00 Panel IV: Marine forecasting systems

Expectations for operational models from the viewpoint of operators of waterways and ports

Hamburg Port Authority, Germany

Expectations for operational models from the viewpoint of the Hamburg Ministry of Urban Development and Environment, Germany

16:15 – 17:00 Seminar I: SKINT seminar on international water law – Part II

Main features of sewage disposal law

Per Seeliger, Ruhrverband, Germany

Introducing a simulation tool for urban flood management

Prof. Chris Jefferies, University of Abertay Dundee, UK

Summary and discussion

Moderation: Franziska Mannke, Hamburg University of Applied Sciences (HAW), Germany

17:00 – 17:45 Round Table I: International disaster management

18:00 Get-together

Conference programme Wednesday, 12 October 2011

09:00 – 10:00 – **Plenary session**
Flood and coastal protection, climate change and hydropower

Coastal protection and climate adaptation for the Wadden Sea
Dr. Hans-Ulrich Rösner, Director of the Wadden Sea office, WWF Germany

10:00 – 11:00 – **Panel V: Hydropower, river barrages and flood forecasting**

Climate change – vulnerability of water resources and their influence on various economic sectors and productive activities in one basin of Colombia

Cecilia Conde Alvare, Carlos Gay García, Jesús Efen Ospina, Centro de Ciencias de la Atmósfera, Universidad Nacional Autónoma de México, Circuito Exterior, Ciudad Universitaria, Mexico

New construction of flood retention basins in Osterzgebirge

Dipl.-Ing. Eckehard Bielitz, Barrage Administration Authority of Saxony, Upper Elbe Valley Operation, Germany

Long range flood forecast application to benefit society: experiences of the 2007-2008 Bangladesh floods

S.H.M. Fakhrudin, Hydrologist, Regional Integrated Multi-Hazard Early Warning System (RIMES), Thailand

10:00 – 11:00 – **Seminar II: BWK seminar “Mobile flood protection systems in flood risk management” – Part I**

BWK – Association of Engineers for Water Management, Waste Management and Land Improvement, reg. assoc., Germany

Principles for use of mobile flood protection systems as set out in information leaflet BWK-M6

Prof. Dr.-Ing. Holger Schüttrumpf, Institute of Hydraulic Engineering and Water Resources Management, Aachen University, Germany

Mobile flood defence systems in protection from storm tides

Dr. Olaf Müller, Hamburg Agency of Roads, Bridges and Waters, Germany

Discussion

Seminar chairman: Prof. Dr.-Ing. Holger Schüttrumpf, Institute of Hydraulic Engineering and Water Resources Management, Aachen University, Germany

11:00 – 11:30 – **Coffee break**

11:00 – 11:30 – **Presentations in Open Space – Exhibitor Forum**

Protection against overtopping for dikes and embankments

Univ.-Prof. Dr.-Ing. Norbert Meyer, Dr.-Ing. Ansgar Emersleben, Institute of Geotechnical Engineering and Mine Surveying, Clausthal University of Technology, Germany

Innovative measures to mitigate flooding in coastal areas

Dr. Jimmy Murphy, Hydraulics and Maritime Research Centre, University College Cork, Ireland

Do we know the flooding peaks of our rivers?

Prof. Dr.-Ing. habil Reinhard Pohl, Dresden University of Technology, Institute of Hydraulic Engineering and Technical Hydromechanics, Germany

11:30 – 12:30 – **Seminar II: BWK seminar “Mobile flood protection systems in flood risk management” – Part II**

BWK – Association of Engineers for Water Management, Waste Management and Land Improvement, reg. assoc., Germany

Design features of planned mobile flood protection systems

Dipl.-Ing. Robert Ueberfeldt, Björnßen Beratende Ingenieure, Coblenz Germany

Design features for emergency mobile flood protection systems and disaster response systems

Dr.-Ing. Nils Huber, Institute of Hydraulic Engineering and Water Resources Management, Aachen University, Germany

Diskussion

Seminar chairman: Prof. Dr.-Ing. Holger Schüttrumpf, Institute of Hydraulic Engineering and Water Resources Management, Aachen University, Germany

11:30 – 12:30 – **Panel VI: Coastal protection / conurbations – port construction**

Stabilization of river dikes with drainage elements

Dipl.-Ing. Tobias Riegger, Karlsruhe Institute of Technology, Institute of Soil Mechanics and Rock Mechanics, Germany

Sea level rise and coastal flood protection in Cesenatico, Italy

Georg Umgieser et al., ISMAR-CNR L’Istituto di Scienze Marine (ISMAR), Italy

The JadeWeserPort

Dipl.-Ing. Bernhard Hebbelmann, Johann Bunte Bauunternehmung GmbH und Co. KG, Papenburg, Germany

12:30 – 14:00 – **Lunch break**

Conference programme Wednesday, 12 October 2011

12:30 – Thematic guided tours of the exhibition
14:00

12:30 – Presentations in Open Space – Exhibitor Forum
14:00

Climate change impact assessment of the dike safety and flood risk in the Vidaa River system

Henrik Madsen et al., DHI Group, Water Resources Department, Denmark

Flood protection in the municipality and flood performance certification for individual properties

Reinhard Vogt, HochwasserKompetenzCentrum e.V., Germany

Mobile flood defence systems made of aluminium

Franz Spilka, PREFA Aluminiumprodukte GmbH, Austria

“Mobil 2010” – web-based logistic application for mobile flood protection systems

Dr. Richard Leiner, IBS Industriebarrieren und Brandschutztechnik Planungs- und Vertriebsgesellschaft mbH, Germany

14:00 – Seminar II: BWK seminar “Mobile flood protection systems in flood risk management” – Part III
15:30

BWK – Association of Engineers for Water Management, Waste Management and Land Improvement, reg. assoc., Germany

Flood defences for the town of Hitzacker (Elbe) and the low-lying Jeetzel area – mobile flood defence systems in densely built-up areas

Heiko Warnecke, Lower Saxony Agency for Water Management, Coastal and Nature Protection, NLWKN, Lüneburg Office, Germany

Testing of mobile flood defence elements

Natasa Manojilovic and Vincent Gabalda, Hydraulic Engineering Institute, Hamburg University of Technology, Germany

Participation process in pilot project HWRM-Plan Nahe

Doris Hässler-Kieffhaber, Obermeyer Planen + Beraten, Kaiserslautern, Germany; Heinrich Webler, Ingenieurbüro ICON, Mainz; Kurt Knittel, Francke + Knittel, Mainz, Germany

Discussion

Seminar chairman: Prof. Dr.-Ing. Holger Schüttrumpf, Institute of Hydraulic Engineering and Water Resources Management, Aachen University, Germany

14:00 – Panel VII: Coastal and flood protection / conurbations – building by the water, and spatial planning
15:30

From space to place: architectural design strategies for river banks

PhD Andrea Oldani, Politecnico di Milano, Dipartimento di Architettura e Pianificazione, Italy

Safe, multifunctional urban levees in Rotterdam

Joep van Leeuwen, City of Rotterdam, Department of Urban Planning, The Netherlands

Flood protection and urban development in times of climate change

Thomas Buss, Jan-Moritz Müller, Hamburg Agency of Roads, Bridges and Waters, Division of Waterways and Flood Protection, Planning and Design of Flood Protection, Germany

The need to accelerate planning approval procedures for flood protection programmes

RA Siegfried de Witt, DE WITT Rechtsanwalts-gesellschaft mbH, Germany

15:30 – Coffee break
16:00

15:30 – Presentations in Open Space – Exhibitor Forum
16:00

The Elbe Island Dike Park, a project of the Hamburg International Building Exhibition (IBA) – perspectives for flood-resilient design for Hamburg’s riverside

Antje Stokman, osp urbanlandschaften, Germany

Safety of flood defence dikes – different approaches to refurbishment in the German states

Dr. Lothar Heuser CDM Consult GmbH, Germany

Water architecture – building on the water, with the example of IBA DOCK

Prof. Han Slawik, Slawik Architekten, Germany

Conference programme Wednesday, 12 October 2011

16:00 –
17:30

Seminar II: BWK seminar "Mobile flood protection systems in flood risk management" – Part IV

BWK – Association of Engineers for Water Management, Waste Management and Land Improvement, reg. assoc., Germany

Flood risk management and preventive measures in building

Dr.rer.nat. Martin Cassel-Gintz, Institute of Hydraulic Engineering and Water Resources Management, Kaiserslautern University, Germany

Planning and building with adaptation to flooding

Dr.-Ing. Roland Boettcher, Consulting Engineer for Water Management and Hydraulic Engineering, Urbar, Germany

Experience with mobile flood defence walls in the city of Cologne

Reinhard Vogt, Flood Defence Centre of the City of Cologne

Discussion

Seminar chairman: Prof. Dr.-Ing. Holger Schüttrumpf, Institute of Hydraulic Engineering and Water Resources Management, Aachen University, Germany

16:00 –
17:30

Panel VIII: Civil engineering / hydraulic engineering

Transnational knowledge exchange to optimizing sustainable urban drainage systems (SUDS)

Floris Boogaard et al., Delft University of Technology, Department of Sanitary Engineering, Faculty of Civil Engineering and Geosciences, The Netherlands

Mixed-in-place walls as an integral part of flood protection systems

Susanne Klima, Dr. Patrik Wenzl, Bauer Spezialtiefbau GmbH, Germany

Development and application of water-filled tube systems in flood protection

Prof. Dr. Birgitt Brinkmann, Dr. Bärbel Koppe, Leuphana University Lüneburg, Faculty of Sustainability, Germany

New construction of the flood retention basin Mulda in connection with the flood gallery of the Freiberger Mulde

Dipl.-Ing. Torsten Kropp et al., Dam Administration of Saxony, Operation Freiberger Mulde / Zschopau, Germany

Determination of hydrodynamic loads on cascade stages by means of hybrid modelling

Prof. Dr.-Ing. Jürgen Stamm et al., Dresden University of Technology, Institute of Hydraulic Engineering and Technical Hydromechanics, Germany

17:30 –
19:00

Site trips (elective)

I – Building by the water

Organised by Hafencity GmbH, Germany

II – Hamburg protection from storm tides

Organised by the City of Hamburg, LSBG - Hamburg Agency of Roads, Bridges and Waters, Division of Waterways and Flood Protection, Germany

III – IBA Dock and Elbe Island

Organised by Internationale Bauausstellung IBA Hamburg GmbH, Germany

19:00

Networking Dinner

Conference programme Thursday, 13 October 2011

09:00 – 10:00 Plenary session Civic engagement and flood protection

Hannah Stoddard, Head of Policy and Advocacy, Stakeholder Forum, UK

10:00 – 11:00 Panel IX: Flooding – Civic engagement processes

Activities of a citizens' action group to reduce flood risk in rural areas

Prof. Dr. Wilhelm G.Coldewey, Institute of Geology and Palaeontology, Westfälische Wilhelms-Universität Münster, Germany

Collaborative modelling in engagement processes on flood risk management, with the example of the Alster catchment area

Prof. Mariele Evers, Andreja Jonoski, Leuphana University Lüneburg, Institute of Environment Strategies, Germany

Towards a flood risk management plan

Natasa Manojlovic, Hamburg University of Technology, Germany

11:00 – 11:30 Coffee break

11:00 – 11:30 Presentations in Open Space – Exhibitor Forum

BaltCICA, consulting citizens about climate adaptation
Jørgen Madsen, Project Manager Information with the Danish Board of Technology, Denmark

Coupled transport and hydraulic simulation for control of traffic in evacuation situations

Dr.-Ing. Florian Pflieger, acquasoli Ingenieurbüro, Traunstein, Germany

11:30 – 12:30 Panel X: Flood and coastal protection – Land use conflicts and near natural hydraulic engineering

Adaptation of housing and open space structures to climate change

Retention space for extreme high-water situations Hördter Rheinaue – flood protection on the Upper Rhine in Rhineland-Palatinate

Wolfgang Koch, Heinz Peter Wierig, Structure and Approval Directorate South, Germany

Regional climate adaptation strategy for low-lying coastal areas – solution options for urban-rural interaction in water management

Frank Ahlhorn et al., COAST – Zentrum für Umwelt- und Nachhaltigkeitsforschung, Deutschland

12:30 – 13:30 Lunch break

12:30 – 13:30 Thematic guided tours of the exhibition

12:30 – 13:30 Presentations in Open Space – Exhibitor Forum

Balancing of water storage practices on farms in view of dual extreme cumulative impacts and risks in catchments

Dr. John D. Pisaniello et al., University of South Australia, Sustainable Engineering and Law Group, Centre for Accounting, Governance and Sustainability, Australia

How effective are balancing and insurance approaches with regard to secure flood protection of small dams in Vietnam?

Tuyet Thi Dam, Burritt R.L, Pisaniello J.D., University of South Australia, Sustainable Engineering and Law Group, Centre for Accounting, Governance and Sustainability, Australia

An engineering / accounting tool for minimising the cumulative flood risks of rural catchment dams

Dr. John D. Pisaniello, A. Spassis & Prof R. Burritt, University of South Australia, Sustainable Engineering and Law Group, Centre for Accounting, Governance and Sustainability, Australia

13:30 – 15:00 Panel XI: Flood and coastal protection – modelling

An operational model of the Lower Elbe

Dr. Sylvin H. Müller-Navarra, Ingrid Bork, BSH (Federal Maritime and Hydrographic Agency), Germany

What level measurements reveal about future water levels

Dr. Hartmut Hein et al., Federal Institute of Hydrology, Germany

Analyses of sea level development

Gabriele Gönnert, Hamburg Agency of Roads, Bridges and Waters, Division of Waterways and Flood Protection (LSBG), Germany

How are the characteristics of flooding events impacted by climate change, and what uncertainties are involved in predicting the impact?

Dipl.-Ing. Joachim Liebert, Karlsruhe Institute of Technology (KIT), Aquatic Environmental Engineering, Germany

15:00 – 16:00 Panel XII: Flood and coastal protection – innovative approaches

Soil bioengineering techniques in flood risk mitigation in the Friuli Venezia Region

MBA Sebastiano Sanna, Regione Autonoma Friuli Venezia, Management Rural Territory and Irrigation Service, Italy

Sylt / Elastogran

Frederik Treuel, Hamburg University of Technology, Germany

16:00 Summary of acqua alta in Open Space – Exhibitor Forum



Venue

Long on options, short on distances

Easy orientation

acqua alta is held at the CCH – Congress Center Hamburg, and is clearly structured in three areas: the Conference, the Open Space – Exhibitor Forum, and the Exhibition. You can watch live practical demonstrations by exhibitors on the outdoor forecourt in front of the entrance.





DB Special

Key data at a glance

Easy rail travel by Deutsche Bahn

Travel to acqua alta 2011 from anywhere in Germany, from as little as EUR 99.00. The price of a return ticket* to Hamburg-Dammtor (right next to CCH):

- 2nd class EUR 99.00
- 1st class EUR 159.00

The special-rate ticket is valid for travel between 9 and 15 October 2011.

Book your trip by phone under **Service Number +49 (0)1805 - 31 11 53**** quoting reference "acqua-alta". Please have your credit card ready to give payment details.

* Advance booking required, at least 3 days ahead. Booking is for a selected connection only, and the number of reduced-rate tickets is limited. Exchange or reimbursement before the 1st day of validity incurs a charge of EUR 15.00, and is no longer possible from the 1st day of validity. On payment of a supplement of EUR 20.00, fully flexible tickets (i.e. not restricted to a specific connection) are available within Germany for travel Monday to Thursday.

** The hotline is available from Monday to Saturday, from 8:00 a.m. to 9:00 p.m. Telephone costs are 14 cents per minute from German landlines, and a maximum of 42 cents per minute from mobile phone networks.

General information on travelling to acqua alta 2011 is available at www.acqua-alta.net

Facts and figures

Dates: Tue – Thu 11 – 13 October 2011

Opening hours: Tue – Wed 9:00 a.m. – 6:00 p.m.
Thu 9:00 a.m. – 4:00 p.m.

Venue: CCH – Congress Center Hamburg
Am Dammtor / Marseiller Strasse
20355 Hamburg

Organiser / contact: Hamburg Messe und Congress GmbH
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Phone: +49 40 3250-9230
E-mail: alta11@interplan.de

Online registration and up-to-date
conference programme available at
www.acqua-alta.net