

## FINAL PROGRAMME (SEPTEMBER 2003)

The meeting was bilingual with simultaneous translation (English and Italian)

<b>Sunday 14<sup>th</sup> September 2003</b>	
1100-1300	<i>Tour of Cambridge</i> <b>Gondolas and Punting on the River Cam</b>
1400-1500	<b>REGISTRATION (Wolfson Foyer)</b>
1500-1530	<b>WELCOME (Wolfson Theatre)</b> <b>Chair: Sir John Boyd</b> (Master, Churchill College) <b>Anna Somers Cocks</b> (Venice in Peril) <b>Dr Tom Spencer, Dr Caroline Fletcher</b> (Department of Geography, University of Cambridge)
1530-1700	<b>INTRODUCTORY SESSION</b> <b>Chair: Prof. Peter Guthrie</b> (Department of Engineering, University of Cambridge)
1530-1600	<i>Local flood protection measures in Venice</i> <b>Prof. Marino Folin (IUAV)</b>
1600-1640	<i>Engineering interventions in Venice and the Venice lagoon</i> <b>Ing. Alberto Scotti (Technital for Magistrato alle Acque)</b>
1640-1700	<i>Venice port activities in a delicate environment</i> <b>Dr Andrea Razzini (Autorità Portuale di Venezia)</b>
1700-1730	<b>TEA (Jock Colville Hall)</b>
1730-1900	<i>PANEL DISCUSSION - What are the lessons from around the world?</i> Chair: Prof. Peter Guthrie (University of Cambridge) <b>Thames Barrier: now and in the future</b> <b>Dr Sarah Lavery (UK Environment Agency Thames Region); David Wilkes (UK Environment Agency NorthEast Region)</b> <b>St Petersburg: EIA for Completion of the St. Petersburg Flood Barrier</b> <b>Dr Herman Gerritsen (WL Delft)</b> <b>St Petersburg: Integrated Water Management to support Sustainable Development of the St. Petersburg Region</b> <b>Mr Alexander Savin and Dr Rosa Mikhailenko (Morzaschita)</b> <b>Cardiff Barrage: Peter Hunter (Jacobs)</b> <b>Rotterdam Barrier: Mr René Bol (Department of Water Management Rotterdam)</b> <b>Eastern Scheldt Barrier: Dr. Henk Saeijs (Zeeland Directorate for Eastern Scheldt) and Mr Joris Geurts van Kessel (RIKZ, Zeeland Branch for Eastern Scheldt)</b>
1930-2100	<b>DINNER (Main Hall)</b> <b>Host: Prof. Sir Hermann Bondi</b>
	<b>Wolfson Theatre</b> <i>Venice matters</i> <b>Prof. Deborah Howard (Faculty of Architecture and History of Art, University of Cambridge)</b>

<b>Monday 15<sup>th</sup> September 2003 a.m.</b>	
0730-0830	<b>BREAKFAST (Main Hall)</b>
	<b>RESEARCH OVERVIEW (Wolfson Theatre)</b>
0830-1045	<b>Chair: Dr Tom Spencer (Department of Geography, University of Cambridge)</b>
0830-0915	<i>Plenary: Flooding in Venice: overview of issues, approaches and research needs</i> <b>Prof. Pier Vellinga (Free University of Amsterdam)</b>
0915-0930	<b>Video speech by Prof. Paolo Costa (Mayor of Venice- Comune di Venezia)</b>
0930-1000	<b>Speaker to be confirmed (European Commission)</b>
1000-1015	<i>UNESCO Activities</i> <b>Dr Howard Moore (UNESCO-ROSTE)</b>
1015-1030	<i>CORILA Activities</i> <b>Dr Pierpaolo Campostrini (CORILA)</b>
1030-1045	<i>Discussion</i>
1045-1115	<b>COFFEE (Jock Colville Hall)</b>
	<b>THEME 1:</b>
	<b>URBAN FLOODING: ARCHITECTURAL AND STRUCTURAL ISSUES</b>
1115-1300	<b>Chair: Anna Somers Cocks (Venice in Peril)</b>
1115-1145	<i>Plenary: St Marks Basilica as a case study in flooding issues for historical Venice</i> <b>Arch. Ettore Vio (Proto della Basilica di San Marco)</b>
1145-1215	<i>Insula: A project for Venice</i> <b>Prof. Bruno Dolcetta (Insula)</b>
1215-1230	<i>Methodologies and techniques for the conservation and restoration of Venetian buildings</i> <b>Arch. Edoardo Danzi (IUAV)</b>
1230-1245	<i>Interactions between natural and human caused phenomena with respect to the maintenance of the Venetian built environment</i> <b>Prof. Fabio Carrera (WPI)</b>
1245-1300	<i>Discussion</i>
1300-1400	<b>LUNCH (Main Hall)</b>

<b>Monday 15<sup>th</sup> September 2003 p.m.</b>	
	<b>THEME 2: WEATHER AND SEA LEVEL FORECASTING</b> <b>Chair: Dr Ida Brøker (DHI)</b>
1400-1515	
1400-1415	<i>Introduction and overview</i> <b>Prof Alberto Tomasin (Università di Venezia)</b>
1415-1430	<i>Sea level forecasting at the Centro Previsioni e Segnalazioni Maree of Venice Municipality</i> <b>Dr Lucia Zampato (Centro Maree, Comune di Venezia)</b>
1430-1445	<i>Gates strategies &amp; storm surge forecasting system developed for Venice flood management</i> <b>Ing. Maurizio Di Donato (CVN) and Ing. Yuil Eprim (Technital)</b>
1445-1500	<i>Satellite wind observations as possible meteorological forcing for storm surge models</i> <b>Dr Stefano Zecchetto (ISAC CNR)</b>
1500-1515	<i>Discussion</i>
1515-1545	<b>TEA (Jock Colville Hall)</b>
	<b>THEME 3: MODELLING AND FIELD DATA: HYDRODYNAMICS AND LAGOON PROCESSES</b> <b>Chair: Prof. Keith Richards</b> <b>(Department of Geography, University of Cambridge)</b>
1545-1745	
1545-1615	<i>Plenary: Interrelations between Venice the city and its lagoon</i> <b>Prof. Job Baretta, Noctiluca, The Netherlands</b>
1615-1630	<i>Measuring water exchange between the Venice Lagoon and the Open Sea</i> <b>Dr Miro Gacic (OGS)</b>
1630-1645	<i>Application of hydrodynamics and morphological models</i> <b>Ing. Antonio Gozzi (Technital for MAV)</b>
1645-1700	<i>Integrated modelling of the Venice Lagoon</i> <b>Dr Georg Umgieser (ISMAR-CNR)</b>
1700-1715	<i>Open problems in modelling morphodynamics in Venice Lagoon</i> <b>Prof Giovanni Seminara (Università di Genova)</b>
1715-1730	<i>Mobile barriers as a management tool for water quality and lagoon flushing</i> <b>Prof. Don Harleman (MIT, USA)</b>
1730-1745	<i>Discussion</i>
1830-1930	<b>Poster Session and Reception</b> <b>(Jock Colville Hall)</b> <b>Web site demonstrations: UNESCO contribution to a better understanding of the Venice Urban System</b> <i>Andrea Mancuso (IUAV) Philippe Pypaert (UNESCO)</i> <b>CORILA – RIVELA</b> <i>Caterina Dabalà (CORILA)</i>
1930-2100	<b>DINNER (Main Hall)</b>
2100-2200	<i>The ancient Magistrato alle Acque: How Venice responded to the silting up of the lagoon in the 15-17C</i> <b>Giovanni Caniato (Archivio di Stato)</b>

<b>Tuesday 16<sup>th</sup> September 2003</b>	
0730-0830	<b>BREAKFAST</b>
0830-1100	<b>THEME 4: ECOLOGICAL PROCESSES AND ENVIRONMENTAL QUALITY (Wolfson Theatre) Chair: Dr Stephen Malcolm (UK Centre for Environment, Fisheries and Aquaculture)</b>
0830-0900	<i>Plenary: Environmental quality issues in the Venice Lagoon</i> <b>Prof. Antonio Marcomini (Università di Venezia)</b>
0900-0920	<i>Changes in nutrients and plankton communities in the Venice lagoon</i> <b>Dr Sandro Rabitti (ISMAR-CNR)</b>
0920-0940	<i>Pollution in the lagoon: catchment area and Venice historical centre</i> <b>Dr Roberto Zonta (ISMAR-CNR)</b>
0940-1000	<i>Trace metals fluxes in the Venice Lagoon</i> <b>Prof. Gabriele Capodaglio (Università di Venezia)</b>
1000-1020	<i>Institutional monitoring of the Lagoon, its watershed and coastal waters of the Adriatic</i> <b>Dr Gisella Penna (Regione Veneto) and Arch. Albertogiulio Bernstein (CVN)</b>
1020-1040	<i>Striving towards a comprehensive knowledge of the lagoon ecosystem</i> <b>Dr Alberto Zirino (Scripps Institution of Oceanography, University of California)</b>
1040-1100	<i>Discussion</i>
1100-1130	<b>COFFEE (Jock Colville Hall)</b>
	<b>THEME 5: PHYSICAL PROCESSES: SEDIMENTS AND MORPHOLOGY Chair: Dr Iris Möller (Department of Geography, University of Cambridge)</b>
1130-1200	<i>Plenary: Sediment balance, morphodynamics and landscape restoration</i> <b>Prof. Giampaolo Di Silvio (Università di Padova)</b>
1200-1230	<i>The influence of inlet configuration on sediment loss in the Venice Lagoon</i> <b>Prof. Luigi D'Alpaos (Università di Padova)</b>
1230-1330	<b>LUNCH (Main Hall)</b>
1330-1345	<i>The third dimension in Venice</i> <b>Prof. Albert Ammerman (Colgate University)</b>
1345-1400	<i>The transport and stability of sediment in northern Venice Lagoon</i> <b>Dr Carl Amos (University of Southampton)</b>
1400-1415	<i>Management of lagoon morphology</i> <b>Dr Lorenzo Bonometto (Comune di Venezia)</b>
1415-1430	<i>Morphological restoration techniques in Venice Lagoon</i> <b>Ing. Giovanni Cecconi (CVN)</b>
1430-1445	<i>Discussion</i>

<b>Tuesday 16<sup>th</sup> September 2003 pm</b>			
1445-1600	<b>Technical Session I: Engineering</b> Chair: Sir Alan Muir Wood <b>Wolfson Theatre</b>	<b>Technical Session II: Environmental Quality and Indicators</b> Chair: Dr Caroline Fletcher (University of Cambridge) <b>Seminar Room</b>	<b>Technical Session III: Habitats</b> Chair: Dr Tom Spencer <b>(University of Cambridge)</b> <b>Small Combination Room</b>
1445-1450	Chair introduction	Chair introduction	Chair introduction
1450-1505	<i>Ing. Yuil Eprim (Technital)</i> Mobile barriers construction details	<i>Ing. Roberto Casarin (Regione Veneto) &amp; Ing. G. Zanovello (Studio Altieri)</i> Fusina integrated project: A global approach to wastewater treatment and reuse in the central area of the Venice Lagoon	<i>Prof. Court Stevenson (University of Maryland)</i> Salt marsh restoration in Chesapeake Bay
1505-1520	<i>Dr Edoardo Faganello (Jacobs)</i> Modelling Of Cardiff Bay Barrage Control System: Revised Automatic Control Logic for the Sluice Gates	<i>Ing. Paulo Rossetto (Thetis)</i> Fusina integrated project: strategies for the management of the residual outflow. environmental problems and solutions	<i>Mike Dearnaley (HR Wallingford Ltd)</i> Beneficial use of muddy dredged material for habitat creation
1520-1535	<i>Ing. Maria Teresa Brotto (CVN)</i> High Water Protection measures in Piazza San Marco	<i>Dr Angel Pérez-Ruzafa (University of Murcia, Spain)</i> Complex cause-effect interrelationships in environmental indicators at the Mar Menor lagoon (SW Mediterranean) as a consequence of human activities	<i>John Hall (Essex Wildlife Trust)</i> Inter-tidal Habitat creation in the UK: Managed realignment
1535-1550	<i>Ing. Ivano Turlon (Insula)</i> Methodologies for the functional restoration of a historical urban system	<i>Steve Colclough (UK Environment Agency)</i> The tidal Thames and environmental indicators	<i>Dr Francesco Scarton (SELC)</i> Breeding birds and vegetation monitoring in recreated salt marshes
1550-1600	<i>Discussion</i>	<i>Discussion</i>	<i>Discussion</i>
1600-1630	<b>TEA (Jock Colville Hall)</b>		
1800-1900	<b>Reception at the Fitzwilliam Museum</b> <i>Canaletto paintings as a historical record of sea level in Venice</i> <b>Dr Dario Camuffo (CNR-ISAC)</b>		
1930-Late	<b>CONFERENCE DINNER AT PEMBROKE COLLEGE, CAMBRIDGE</b>		

<b>Wednesday 17<sup>th</sup> September 2003</b>	
0730-0830	<b>BREAKFAST (Main Hall)</b>
0830-1050	<b>THEME 6: VENICE AND GLOBAL ENVIRONMENTAL CHANGE (Wolfson Theatre)</b> <b>Chair: Prof. Trevor Davies (Climatic Research Unit, University of East Anglia)</b>
0830-0910	<i>Plenary: The facts of relative sea level rise in Venice</i> <b>Dr Roberto Frassetto (CNR-ISMAR)</b>
0910-0930	<i>Long term natural subsidence of Venice: evaluation of its causes and magnitude</i> <b>Dr Eugenio Carminati (Università di Roma)</b>
0930-0950	<i>Overview of the main findings of the IPCC Third Assessment Report</i> <b>Dr Domenico Gaudioso (APAT)</b>
0950-1010	<i>Ocean Climate Variability in the Mediterranean Sea: Climate Events and Marine Forecasting Activities</i> <b>Prof. Nadia Pinardi (Università di Bologna)</b>
1010-1030	<i>Climatology of Storm Surges in Venice: Present and Future Scenarios</i> <b>Prof. Piero Lionello (Università di Lecce)</b>
1030-1050	<i>Discussion</i>
1050-1120	<b>COFFEE (Jock Colville Hall)</b>
1120-1300	<b>GENERAL DISCUSSION: CONCLUSIONS AND WAYS FORWARD</b> <b>Chair: Sir Alan Muir Wood</b>
1300	<b>MEETING CLOSE</b>
1300-1400	<b>LUNCH (Buffet in Churchill College Bar)</b>
1400-1600	<b>AVAILABLE FOR DISCUSSION BY OTHER GROUPS/PROJECTS</b>