

## 25<sup>th</sup> Telemac-Mascaret Users Conference 2018

The Assembly House – Theatre Street, Norwich, NR2 1RQ, UK

### Conference Programme

#### Tuesday 9<sup>th</sup> October – Technical Workshops

Session Option 1 0900 – 1700 Telemac Code Coupling – MPI operation

Session Option 2 0900 – 1700 QMESH and QGIS with Telemac – Ocean Model Coupling/Python

*(Optional) 1800 - 1930 a short walking tour of Medieval Norwich with master story teller, historian and illustrator, Jim Kavanagh.*

#### Wednesday 10<sup>th</sup> October Conference Day 1

**0845 – 0915** *Registration*

0915 – 0930 Welcome Address – Professor Stuart Rogers – Chief Scientist - Cefas

0930 - 0945 Welcome Address – Dr Rebekka Kopmann - President of the Telemac Consortium

0945 - 1045 Telemac Developers Update – Lead - *Rebekka Kopmann*

**1040-1110** *Coffee/Tea*

Session 1 *Rivers and Coastal Management*

1110 – 1130 Development of the EFFORS service for operational flood forecasting - *S. Gegenleithner*

1130 – 1150 Recent numerical models for engineering studies in open channel of power plants - *Victor Winckler*

1150 – 1210 Numerical modelling of scale effects – *Frederik Folke*

1210 – 1230 Influence of numerical and physical parameters on the modelling of free bar morphodynamics  
*Florian Cordier*

**1230 – 1350** *Lunch*

Session 2 *Data Assimilation, Uncertainty, Numerical Methods*

1350 – 1410 Improving TELEMAC system pre-processing and I/O stages - *Judicaël Grasset*

1410 – 1430 Uncertainty Propagation in Telemac 2D Dam Failures Modelling and Downstream Hazard Potential  
Assessment - *Layla Assila*

1430 – 1450 Finding Good Solutions to Telemac Optimization Problems with a Metaheuristic - *Cédric Goeury*

1450 – 1510 Ensemble Integrations of Telemac-Mascaret for the optimal model calibration - *F. Zaoui*

**1510 – 1540** *Coffee/Tea*

Session 3 *Applications*

1540 – 1600 Two-dimensional modelling of flow conditions generated by piled piers and turbulence-based  
erosion risk assessment - *Pierre-Louis Ligier*

1600 – 1620 Introducing KHIONE – (Eulerian) Part I of the ice modelling component of TELEMAC  
*Sébastien Bourban*

1620 – 1640 Modelling the fate and transport of faecal bacteria from sewage overflows: Dart Estuary case study  
*Luz Garcia*

1640 – 1700 Development of a Three-Dimensional Hydrodynamic Model of Port Vila, Vanuatu, for Water Quality  
Assessment – *David Haverson*

*Evening of 10<sup>th</sup> Oct Conference Dinner – Assembly House Norwich 1930 – til late*

Thursday 11<sup>th</sup> October      Conference Day 2

- 0900 – 0920      Tecplot with TELEMAC - using Tecplot 360, Tecplot Loader and WMS - *Lothar Lippart*  
Session 4      Coastal and Fluvial Sediments
- 0900 – 0920      Sediment dynamics of a nearshore sandbank: Results from TELEMAC-2D, TOMAWAC and SISYPHE  
modelling – *John Aldridge*
- 0920 – 0940      Modelling Cohesive Sediments in the Scheldt Estuary (Belgium) with SEDI-3D – *Sven Smoulders*
- 0940 – 1000      Influence of the layer model on a 2D sediment transport model: Hirano-Ribberink versus C-VSM  
*Birgit Bleyel*
- 1000 – 1020      Sensitivity analysis of secondary currents in Telemac-2D: a study case at the Danube River - *Audrey  
Valentine*
- 1020 – 1040      Definition of a restoration project on the River Loire - *Matthieu de Linares*
- 1040-1110**      **Coffee/Tea**
- 1110 – 1130      Modelling morphological changes over time scales of decades to centuries: a review  
*Michiel Knaapen*
- Session 5      Modelling Waves and Extreme Events
- 1130 – 1150      ARTEMIS developments at HR Wallingford - *Noémie Durand*
- 1150 – 1210      Implementation of a small operational wave forecasting tool in the North-Sea: method and forcing  
sensitivity – *Claire Beraud*
- 1210 – 1230      Neumann (water level gradient) boundaries in TELEMAC 2D and their application to wave-current  
interaction - *W. A. Breugem*
- 1230-1330**      **Lunch**
- 1330 – 1350      Sensitivity analysis to reflection and diffraction in ARTEMIS - *Amelia Araujo*
- 1350 – 1410      Improving simulations of extreme skew surges through waves contributions - *Cécile Lalanne*
- 1410 – 1430      Modification of TELEMAC 2D for Storm Surge Use - *Riadh Ata*
- 1430 – 1450      Coupling TELEMAC-3D with the General Ocean Turbulence Model (GOTM) - *Thijs Lanckriet*
- 1450 – 1510**      **Coffee/Tea**
- 1510 – 1530      Wrap-up, Plenary and Notices

Conference Close