

## Friday, 20 June

### Theme 6: User applications and decision tools / digital twins

Chair: Dominique Obaton, MOi

Rapporteur: Mauro Cirano, University of Rio de Janeiro

|             |   |                     |   |
|-------------|---|---------------------|---|
| 09:00-09:20 | Advancing Coastal Resilience: Scenario-Based Optimization of Nature-Based Solutions   | Joanna STANEVA      | Helmholtz Zentrum HEREON  |
| 09:20-09:40 | A high-resolution robust operational coastal flood forecasting system over the Bengal Delta: the Band-SOS project   | Md Jamal Uddin KHAN | CNES/CNRS/IRD/UT  |
| 09:40-10:00 | ChemicalDrift - A new open source ocean pollution model   | Lars R. HOLE        | Norwegian Meteorological Institute                                    |
| 10:00-10:20 | The South China Sea Guangdong-Hongkong-Macao Greater Bay Area Oceanographic Analysis and Forecasting System   | Xueming ZHU         | Southern Marine Science and Engineering Guangdong Laboratory (Zhuhai) |
| 10:20-10:50 | <b>Coffee Break</b>   |                     |   |
| 10:50-11:10 | A coastal monitoring and forecasting system for Galway Bay and Dublin Bay, Ireland's " services for aquaculture, biodiversity restoration and environmental monitoring. | Tomasz DABROWSKI    | Marine Institute  |
| 11:10-11:30 | Integrated Coastal Digital Twin framework for enhancing sustainable, science-based coastal resilience and adaptation strategies   | Ivan FEDERICO       | CMCC  |
| 11:30-11:50 | Numerical Ocean and Atmospheric Forecast Models in Search and Rescue: Benefits, Challenges and Possible Improvements in the Future                                      | Cristina FORBES     | USCG  |
| 11:50-12:10 | Operational Ocean Monitoring and Forecasting Services for decision-making at coastal areas: The NOW Systems User Applications in the coastal ocean                      | Marcos SOTILLO      | NOW Systems   |
| 12:10-12:30 | <b>Discussion Theme 6 (20 min)</b>  |                     |   |
| 12:30-12:50 | <b>Reports from breakouts, final thoughts - 20 min</b>  |                     |   |
| 12:50-13:00 | <b>Concluding remarks</b>   |                     |   |
| 13:00-14:00 | <b>LUNCH (60 min)</b>   |                     |   |
| 14:00-18:00 | <b>Networking event</b><br><br>Guided tour (round trip by bus)<br>Discover the typical French Brittany coast  |                     |   |