

## Friday, 20 June

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

Chair: Dominique Obaton, Ifremer

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	Impact of Marine Heatwaves in the coastal ocean: an open question	Guillaume CHARRIA	LOPS/Ifremer
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>  Guided tour (round trip by bus) Discover the typical French Brittany coast		