

Sustainable Coastal Growth and Resilience 2026

4-19 September 2026 | Sanya - Hangzhou - Qingdao, China

4 Sept Friday	00:00-24:00	Participants' arrival and registration		National Marine Data and Information Service (NMDIS), MNR, China
5 Sept Saturday	09:30-10:30	Overview of the course and vision	Yuntao Wang	Second Institute of Oceanography (SIO), MNR, China
5 Sept Saturday	10:30-12:00	Blue Carbon – basic theory and practical examples	Sonia Silvestri	Decade Collaborative Centre for Coastal Resilience (DCC-CR); University of Bologna, Italy
5 Sept Saturday	14:00-15:30	Remote Sensing of Coastal Waters - theory and practical examples	Sonia Silvestri	DCC-CR; University of Bologna, Italy
5 Sept Saturday	15:30-17:00	Blue Carbon – advanced application and Chinese experience	Peng Zhao	Hainan University, China
6 Sept Sunday	09:00-10:30	Climate change and sea level rise	Zhigang Gao	National Marine Data and Information Service
6 Sept Sunday	10:30-12:00	Statistical Models of Extreme Events under a Changing Climate	Marco Marani	University of Padova, Italy
6 Sept Sunday	14:00-15:30	Storm Surges and Climate Change Adaptation	Marco Marani	University of Padova, Italy
6 Sept Sunday	15:30-17:00	Emerging Flexible and Stretchable Sensors for Ocean Monitoring	Yang Yang	Harbin Institute of Technology, Shenzhen
6 Sept Sunday	18:00-20:00	Welcome Banquet		
7 Sept Monday	09:00-10:00	Opening Ceremony	TBC	NMDIS/SIO
7 Sept Monday	10:00-12:00	Topic TBC	Xuwei Xu	National Deep Sea Center
7 Sept Monday	14:00-15:30	Ocean Utilization and Sustainable Development - introduction to basic principles	Antonella Vassallo	International Ocean Institute
7 Sept Monday	15:30-17:00	Ocean Governance in Areas Beyond National Jurisdiction	Cosmin Chivu	International Ocean Institute
8 Sept Tuesday	09:00-10:30	Coral Reef Environmental Monitoring and Protection	Junxiao Zhang	South China Sea Bureau, MNR, China
8 Sept Tuesday	10:30-12:00	Machine Learning and its Applications in Oceanography: General Introduction	Yuan Bing	Helmholtz-Zentrum Hereon, Germany
8 Sept Tuesday	14:00-17:00	Site Visit 1: Coral reef protected areas		NMDIS/MNR, China
9 Sept Wednesday	09:00-12:00	Site Visit 2: Ocean stations		NMDIS/MNR, China
9 Sept Wednesday	14:00-17:00	Site Visit 3: TBC		NMDIS/MNR, China
10 Sept Thursday	09:00-10:30	Underwater Environmental Observation Platform	Weili Wang	Ocean Research Institute, Zhejiang University, China
10 Sept Thursday	10:30-12:00	Machine Learning and its Applications in Oceanography: Data Reconstruction	Bing Yuan	Helmholtz-Zentrum Hereon, Germany
10 Sept Thursday	14:00-20:30	Travel from Sanya to Hangzhou (GJ8200, 16:20-19:20)		Programme logistics
11 Sept Friday	09:00-11:00	Introduction of Ocean Economy and Governance	Yuyu Chen	SIO/MNR, China
11 Sept Friday	11:00-12:00	Remote Sensing and its application in Chinese coastal waters	Xianqiang He	SIO/MNR, China

11 Sept Friday	14:00-15:30	Practice and Analysis 1A: Introduction to Neural Networks	Lorenzo Mentaschi	DCC-CR; University of Bologna, Italy
11 Sept Friday	15:30-17:00	Practice and Analysis 1B: Artificial Intelligence for Coastal Extreme Sea-level Events	Lorenzo Mentaschi	DCC-CR; University of Bologna, Italy
12 Sept Saturday	09:00-12:00	Site Visit 4: Yiwu Digital Center		SIO/MNR, China
12 Sept Saturday	14:00-17:00	Site Visit 5: Yiwu Shopping Center		SIO/MNR, China
13 Sept Sunday	09:00-12:00	Self-study		SIO/MNR, China
13 Sept Sunday	14:00-17:00	Self-study		SIO/MNR, China
14 Sept Monday	09:00-10:30	Marine Heat Waves and their Impacts on Coastal Processes	Wei Chen	Helmholtz-Zentrum Hereon, Germany
14 Sept Monday	10:30-12:00	Modelling of the Land-to-Sea Continuum	Joanna Staneva	Helmholtz-Zentrum Hereon, Germany
14 Sept Monday	14:00-20:00	Travel from Hangzhou to Qingdao (SZ4768, 16:20-18:15)		Programme logistics
15 Sept Tuesday	09:00-12:00	Site Visit 6: TBD		SIO/MNR, China
15 Sept Tuesday	14:00-17:00	Site Visit 7: TBD		SIO/MNR, China

16 Sept Wednesday	09:00-10:30	Open Ocean-Coast connection through various dynamic processes	Weidong Yu	Sun Yat-Sen University, China
16 Sept Wednesday	10:30-12:00	Digital Twin of the Ocean	Joanna Staneva	Helmholtz-Zentrum Hereon, Germany
16 Sept Wednesday	14:00-15:30	Marine Spatial Planning: An Instrument for Integrated Coastal Zone Management	Jing Yu	Ocean University of China
16 Sept Wednesday	15:30-16:15	Coastal Resilience and Nature-based Solutions	Wei Chen	Helmholtz-Zentrum Hereon, Germany
16 Sept Wednesday	16:15-17:00	Panel Discussion: Coastal resilience and connections to the Global Ocean Development Forum	Fangfang / Yuntao / Joanna	NMDIS / SIO / Helmholtz-Zentrum Hereon
17 Sept Thursday	09:00-12:00	Site Visit 8: Global Ocean Development Forum, Qingdao		SIO/MNR, China
17 Sept Thursday	14:00-17:00	Site Visit 9: Global Ocean Development Forum, Qingdao		SIO/MNR, China
18 Sept Friday	09:00-12:00	Assessment		Ocean University of China
18 Sept Friday	14:00-17:00	Summary and Closing: interactive questionnaire on participants' work and key coastal-capacity gaps		SIO/NMDIS/DCC-CR
18 Sept Friday	18:00-19:30	Farewell Banquet		Ocean University of China
19 Sept Saturday	00:00-24:00	Participants' departure		SIO/MNR, China