China Europe Frontier Forum

on “Progress in Ocean Science and Technology”

20-21 October 2020

Conference held in Shanghai and on line

Conveners: Jing Zhang (ECNU, Shanghai), Paul Tréguer (University of Brest, UBO), Louis Legendre (Sorbonne University SU, Villefranche-sur-mer)

Action soutenue EurASc soutenue par la Fondation Prospective et Innovation

European time (Beijing time)

Day One (Tuesday, 20 October 2020)

08:00-08:30 (14:00-14:30)  Opening ceremony & Group photo

Session One: The Earth System and the future ocean in a changing climate, Conveners: Dake Chen (SIO), Paul Tréguer (UBO)

08:30-08:50 (14:30-14:50)  Global warming : the need to keep in line with the Paris agreement, Jean Jouzel (LSCE-IPSL)

08:50-09:10 (14:50-15:10)  Upper Ocean Biogeochemistry in the Oligotrophic Ocean, Minhan Dai (Xiamen U)

09:10-09:30 (15:10-15:30)  Predicting the global coastal ocean: Toward a more resilient society, Nadia Pinardi (Bologna U)

09:30-09:50 (15:30-15:50)  The Comparative Study on Marginal Seas and Discussion of Future Collaboration, Ying Wang (Nanjing U)

09:50-10:00 (15:50-16:00)  Coffee break (Shanghai)

10:00-10:40 (16:00-16:40)  Discussion session 1
Session Two: Perspectives of ocean sciences in a changing climate, Conveners: Lixin Wu (OUC), Jean-Pierre Gattuso (LOV)

10:40-11:00 (16:40-17:00) Ocean alkalinity, buffering and biogeochemical provinces, Jack Middelburg (U. Utrecht)

11:00-11:20 (17:00-17:20) Perspectives on Polar Ocean Research, Dake Chen (SIO)

11:20-11:40 (17:20-17:40) Big Earth Data for Sustainable Development Goal 14: Life below water, Huadong Guo (IRSDE-CAS)

11:40-12:00 (17:40-18:00) Marine Sciences and Technologies in the European Framework programs: Science for Better Policies, Pierre Karleskind (European Parliament)

12:00-13:00 (18:00-19:00) Dinner (Shanghai)

13:00-15:00 (19:00-21:00) Discussion session 1 (continued) and discussion session 2

Day Two (Wednesday, 21 October 2020)

Session Three: Ocean sustainable development, Conveners: Minhan Dai (Xiamen U), Louis Legendre (SU)

08:00-08:20 (14:00-14:20) From Ocean Turbulence to Climate: New Challenges in Changing Ocean and Earth System, Lixin Wu (OUC)

08:20-08:40 (14:20-14:40) Future Ocean Sustainability - From Ocean Observation towards Sustainable Development, Martin Visbeck (Geomar)

08:40-09:00 (14:40-15:00) Ocean Negative Carbon Emission (ONCE) – A proposal for international program on mitigation of climate change, Nianzhi Jiao (Xiamen U)

09:00-09:20 (15:00-15:20) Ocean-based measures to reduce climate change and its impacts, and rebuild marine life, Jean-Pierre Gattuso (LOV)

09:20-09:30 (15:20-15:30) Coffee break (Shanghai)


09:50-12:00 (15:50-18:00) Discussion session 3

12:00-13:00 (18:00-19:00) Dinner (Shanghai)

13:00-15:00 (19:00-21:00) Synthesis: cooperation between China and Europe on ocean sciences and technologies, Conveners: Jing Zhang, Paul Tréguer