



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)

09:30-09:50 (15:30-15:50) *The Ocean and Cryosphere in a Changing Climate, IPCC Special Report 2019*, Hans-Otto Poertner (AWI)

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

END