

## DRAGON 6 BATCH-3 PROGRAMME

Wednesday, 02 April 2025 - Online Event

09:30 - 09:40 CEST / 15:30 - 15:40 CST

Opening by ESA and CSTEC

09:40 - 11:20 CEST / 15:40 - 17:20 CST

DRAGON 6 BATCH-3 PROJECTS OVERVIEW

09:40 - 10:00 CEST / 15:40 - 16:00 CST

### Sustainable Agriculture

95177 - Monitoring Crop Growth with Big Earth Observation Satellite Data in Support of Agricultural Management

**Monitoring Crop Growth with Big Earth Observation Satellite Data in Support of Agricultural Management**

**Jinlong Fan<sup>1</sup>, Pierre Defourny<sup>2</sup>**

<sup>1</sup>National Satellite Meteorological Center, China Meteorological Administration, China, People's Republic of; <sup>2</sup>Universite Catholique de Louvain, Belgium

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### Oceans & Coastal zones

95373 - Marine dynamic environment monitoring combining conventional and new-generation radar altimeters over the coastal and polar oceans

**Marine Dynamic Environment Monitoring by Combining the Traditional and New-Generation Radar Altimeters Over the Coastal and Upper Oceans**

**Ole Andersen<sup>1</sup>, Jungang Yang<sup>2</sup>, Yongjun Jia<sup>3</sup>, Shengjun Zhang<sup>4</sup>**

<sup>1</sup>Technical University of Denmark, Denmark; <sup>2</sup>First Institute of Oceanography, MNR, China, People's Republic of; <sup>3</sup>National Satellite Ocean Application Service, China, People's Republic of; <sup>4</sup>School of Resources and Civil Engineering, Northeastern University, China, People's Republic of

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### Data Analysis

95497 - Research and application of deep learning for the improvement of wave remote sensing from Multi-missions

**Improved Wide Swath Significant Wave Height and Directional Wave Spectra by Deep Learning : a Step Forward for Operational Oceanography**

**Lotfi Aouf<sup>1</sup>, Jiuke Wang<sup>2</sup>, Alice Dalphiné<sup>1</sup>**

<sup>1</sup>Meteo France, CNRM, France; <sup>2</sup>Sun Yat-Sen University

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### Atmosphere

95400 - Assessing Effect of Greenhouse Gases Emission Reduction with Variable Renewable Energy Implementation in Marine Climate Islands

**Assessing Effect of Greenhouse Gases Emission Reduction with Variable Renewable Energy Implementation in Marine Climate Islands**

**Ming Jun Huang<sup>1</sup>, Neil J. Hewitt<sup>1</sup>, Yaxin Bi<sup>1</sup>, Gerard Obasi<sup>1</sup>, Xingying Zhang<sup>2</sup>, Lu Zhang<sup>2</sup>**

<sup>1</sup>Ulster University, United Kingdom; <sup>2</sup>National Satellite Meteorological Centre (NSMC), China Meteorological Administration (CMA)

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### Climate Change

95445 - Integrating Multisource Data for Precision, Fine-Scale Monitoring of Climate-Induced Floods and Droughts

**Integrating Multisource Data for Precision, Fine-Scale Monitoring of Climate-Induced Floods and Droughts**

**Daniela Faur<sup>1</sup>, Weiwei Guo<sup>2</sup>, Zhang Zhenghui<sup>3</sup>, Mihai Datcu<sup>1</sup>**

<sup>1</sup>National University of Science and Technology Politehnica of Bucharest, Romania; <sup>2</sup>Tongji University; <sup>3</sup>Shanghai Jiao Tong University

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Closing by ESA and CSTEC