



10-12 December 2024 | Online

Programme Agenda

Day 1 - 10/12/2024

Opening by ESA and CSTEC (D.6.1)

09:30 - 09:50 (Central European Time)

16:30 - 16:50 (China Standard Time)

DRAGON 6 BATCH-2 PROJECTS OVERVIEW

ATMOSPHERE - CAL/VAL (D.6.1.1)

Chairs: Prof. Ping Wang, KNMI, Prof. Songhua Wu, Ocean University of China

09:50 - 11:10 (Central European Time)

16:50 - 18:10 (China Standard Time)



09:50-10:10 (16:50-17:10 CST) | Air Quality Monitoring and Analysis in Populous areas in China (AQMAP)

Presenting author: van der A, Ronald

Ding, Jieying (1); Wang, Wuke (2); van der A, Ronald (1); de Leeuw, Gerrit (1); Safieddine, Sarah (3); Zhang, Qianqian (4); Yan, Yingying (2); Fan, Cheng (5); Zhang, Ying (5); Li, Zhengqiang (5), 1: KNMI, The Netherlands; 2: China University of Geosciences, China; 3: LATMOS, France; 4: NSMC-CMA, China; 5: AIR-CAS, China



10:10-10:30 (17:10-17:30 CST) | Towards Understanding Aerosol Cloud Radiation Interactions Using 3D Satellite Observations

Presenting author: Wang, Ping

Wang, Ping (1); Duan, Minzheng (2), 1: Royal Netherlands Meteorological Institute, Netherlands, The; 2: Institute of Atmospheric Physics, Chinese Academy of Sciences, Beijing, China



10:30-10:50 (17:30-17:50 CST) | Calibration, Validation And Data Assessment For Chinese And European Spaceborne High Spectral Resolution Lidars: ACDL/DQ-1, ATLID/EarthCARE And ALADIN/Aeolus

Presenting author: Wu, Songhua

Wu, Songhua (1); Wandinger, Ulla (2); Chen, Weibiao (3); Liu, Jiqiao (3); Xu, Na (4); Dai, Guangyao (1); Zhai, Xiaochun (4); Baars, Holger (2); Bley, Sebastian (2); Reitebuch, Oliver (5); Fix, Andreas (5); Witschas, Benjamin (5); Amiridis, Vassilis (6); Marinou, Eleni (6); Sun, Kangwen (1); Long, Wenrui (1); Meng, Fanqian (1); Floutsis, Athena Augusta (2); Traouk, Dimitri (2); Genauer, Henriette (6); Rizos, Konstantinos (6); Voudouri, Kelly (6), 1: College of Marine Technology, Ocean University of China, Qingdao, China; 2: Leibniz Institute for Tropospheric Research, Leipzig, Germany; 3: Shanghai Institute of Optics and Fine Mechanics, Chinese Academy of Sciences, Shanghai, China; 4: National Satellite Meteorological Center, China Meteorological Administration, Beijing, China; 5: Institute of Atmospheric Physics,



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Deutsches Zentrum f. Luft- u. Raumfahrt, Wessling, Germany; 6: National Observatory of Athens, Athens, Greece



10:50-11:10 (17:50-18:10 CST) | Validation And Application Of Observations From Multiple Low Earth Orbital Satellites For Monitoring The Earth's Magnetic And Plasma Environment

Presenting author: Xiong, Chao

Xiong, Chao (1); Stolle, Claudia (2); Zhima, Zeren (3); Li, Kuan (4); Piersanti, Mirko (5); Spogli, Luca (6); Alfonsi, Lucilla (6); Zheng, Yuhao (1); Wang, Fengjue (1); Yan, Rui (3); Yang, Yanyan (3); Yamazaki, Yosuke (2); Yin, Fan (1); Zhou, Yunliang (1); Pignalberi, Alessio (6); Imam, Rayan (6); D'Angelo, Giulia (5); Liu, Dapeng (3); Huang, He (3); Yan, Qing (4); Wang, Jie (3); Xu, Song (3), 1: Department of Space Physics, Electronic Information School, Wuhan University, Wuhan, China; 2: Leibniz Institute of Atmospheric Physics at the University of Rostock, Kühlungsborn, Germany; 3: National Institute of Natural Hazards, Ministry of Emergency Management of China, Beijing, China; 4: Macau Institute of Space Technology and Application, Macau University of Science and Technology, Macau, China; 5: Department of Physical and Chemical Sciences, University of L'Aquila, L'Aquila, Italy; 6: Istituto Nazionale di Geofisica e Vulcanologia, Rome, Italy

Coffee Break

11:10 - 11:30 (Central European Time)

18:10 - 18:30 (China Standard Time)

CRYOSPHERE & HYDROLOGY (D.6.1.2)

Chairs: Prof. Massimo Menenti, Aerospace Information Research Institute (AIR), Chinese Academy of Sciences (CAS), China, Prof. Jiancheng Shi, National Space Science Center, Chinese Academy of Sciences, Beijing 100190, China

11:30 - 12:10 (Central European Time)

18:30 - 19:10 (China Standard Time)



11:30-11:50 (18:30-18:50 CST) | Continuous Improvement of SMOS Products and Their Added Value

Presenting author: Zhao, Tianjie

Shi, Jiancheng (1); Nemesio, Rodriguez Fernandez (2); Zhao, Tianjie (3); Kerr, Yann H (2); Guo, Peng (4); Yao, Panpan (3); Richaume, Philippe (2); Anterrieu, Eric (2); Mialon, Arnaud (2); Peng, Zhiqing (3), 1: National Space Science Center, Chinese Academy of Sciences, Beijing 100190, China, China, People's Republic of; 2: Centre d'Etudes Spatiales de la Biosphère (CNES/CESBIO), Toulouse, France; 3: Aerospace Information Research Institute, Chinese Academy of Sciences, Beijing 100101, China; 4: Shandong Agricultural University, Jinan, 271018, China



11:50-12:10 (18:50-19:10 CST) | Inverting Mountain Meteorology From Cryospheric Remote Sensing and Ecohydrological Modelling (IMMERSE)

Presenting author: Menenti, Massimo

Pellicciotti, Francesca (1); Menenti, Massimo (2); Miles, Evan (3); Yang, Kun (4); Qiu, Yubao (2); Jia, Li (2), 1: Institute for Science and



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Technology (ISTA) Austria; 2: Aerospace Information Research Institute (AIR), Chinese Academy of Sciences (CAS) China, People's Republic of China; 3: Swiss Federal Research Institute (WSL); 4: Tsinghua University, People's Republic of China

Day 2 - 11/12/2024

SOLID EARTH & DISASTER MONITORING (D.6.2.1)

Chairs: Prof. Mingsheng Liao, Wuhan University, Prof. Roberto Tomás, Universidad de Alicante

09:30 - 10:50 (Central European Time)

16:30 - 17:50 (China Standard Time)



09:30-09:50 (16:30-16:50 CST) | Dynamic Deformation Monitoring and Health Diagnosis of Infrastructures and Surrounding Geologic Environments with Multi-source Earth Observation Data

Presenting author: Zhang, Lu

Zhang, Lu (1); Mallorqui, Jordi Joan (2); Dong, Jie (1); Wang, Yian (1,2); Shen, Peng (1); Lopez-Sanchez, Juan M. (3), 1: Wuhan University, China, People's Republic of; 2: Universitat Politècnica de Catalunya (UPC), Spain; 3: University of Alicante (UA), Spain



09:50-10:10 (16:50-17:10 CST) | Geophysical And Geodetics Retrieval From SAR Data Stacks Over Natural Scenarios

Presenting author: Liao, Mingsheng

Tebaldini, Stefano (1); Rocca, Fabio (1); Liao, Mingsheng (2); Li, Deren (2); Gong, Jianya (2); Yang, Jianshi (2); Zheng, Donghai (3); Ferro-Famil, Laurent (4); Dong, Jie (2), 1: Politecnico di Milano, Italy; 2: Wuhan University; 3: ITPCAS; 4: ISAE Supaero



10:10-10:30 (17:10-17:30 CST) | Collaborative Detection of Surface Deformations Associated to Natural Phenomena and Anthropogenic Activities with Multi-source Remote Sensing Data

Presenting author: Bignami, Christian

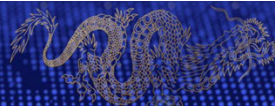
Tolomei, Cristiano (1); Wei, Lianhuan (2); Bignami, Christian (1), 1: Istituto Nazionale di Geofisica e Vulcanologia, Italy; 2: Northeastern University, China



10:30-10:50 (17:30-17:50 CST) | Overview of REMote SENSing for Landslide Monitoring and impact Assessment on INFRAstructure (ReSeLMAIN) project

Presenting author: Tomás, Roberto

Tomás, Roberto (1); Li, Zhenhong (2), 1: Department of Civil Engineering, Universidad de Alicante, Spain; 2: College of Geological Engineering and Geomatics, Chang'an University, Xi'an, China



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Coffee Break

10:50 - 11:10 (Central European Time)

17:50 - 18:10 (China Standard Time)

OCEAN & COASTAL ZONES (D.6.2.2)

Chairs: Prof. Jingsong Yang, Second Institute of Oceanography, MNR, Dr. Roshin P. Raj, Nansen

Environmental and Remote Sensing Center

11:10 - 12:10 (Central European Time)

18:10 - 19:10 (China Standard Time)



11:10-11:30 (18:10-18:30 CST) | Synergistic Monitoring and Prediction of Ocean Dynamic Environment from Multi-satellite Data

Presenting author: Yang, Jingsong

Yang, Jingsong (1); Li, Huimin (2); Wang, He (3); Li, Xiaohui (1); Ren, Lin (1); Husson, Romain (4); Chapron, Bertrand (5), 1: Second Institute of Oceanography, MNR, China; 2: Nanjing University of Information Science and Technology, China; 3: National Ocean Technology Center, MNR, China; 4: Collecte Localisation Satellites, France; 5: IFREMER, France



11:30-11:50 (18:30-18:50 CST) | Lofoten Basin eddies and its impact on Atlantic Water heat transport towards the Arctic

Presenting author: P. Raj, Roshin

P. Raj, Roshin (1); Dong, Huizi (2); Bonaduce, Antonio (1); Zhou, Meng (2); A. Johannessen, Johnny (1); Brajard, Julien (1); Bertino, Laurent (1); P. Moner, Lluisa (1); Wang, Hualing (2); Gu, Xinyi (2), 1: Nansen Environmental and Remote Sensing Center (NERSC), Norway; 2: Shanghai Jiao Tong University (SJTU), China



11:50-12:10 (18:50-19:10 CST) | Monitoring of Marine Dynamics and Marine Environment Disasters with Multiple Satellites Data

Presenting author: Xu, Ying

G. Schmitt, François (1); Xu, Ying (2); Huang, Yongxiang (3); Ding, Jing (2); Geng, Xupu (3); Xing, Qianguo (4); Chen, Ping (5); Xie, Lingling (6); Lin, Wenming (7); Li, Xiuzhong (7); Jiang, Chengfei (2); Bai, Xiaoling (3); Alekseenko, Elena (1); Sentchev, Alexei (1); Hauser, Daniele (8), 1: Laboratory of Oceanology and Geosciences; 2: National Satellite Ocean Application Service, MNR, China, People's Republic of; 3: Xiamen University; 4: University of Chinese Academy of Sciences; 5: Huazhong University of Science and Technology; 6: Guangdong Ocean University; 7: Nanjing University of Information Science and Technology; 8: Laboratoire Atmospheres, Milieux, Observations Spatiales

Day 3 - 12/12/2024



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CLIMATE CHANGE - SUSTAINABLE AGRICULTURE & WATER RESOURCES - ECOSYSTEMS (D.6.3.1)

Chairs: Prof. Timo Balz, Wuhan University

09:30 - 10:50 (Central European Time)

16:30 - 17:50 (China Standard Time)



09:30-09:50 (16:30-16:50 CST) | Multi-Sensor Remote Sensing For Cultural Heritage Climate Change Resilience

Presenting author: Balz, Timo

Balz, Timo (1); Caspari, Gino (2), 1: LIESMARS, Wuhan University, Wuhan, China; 2: Institute of Archaeological Sciences, University of Bern, Switzerland



09:50-10:10 (16:50-17:10 CST) | Synergy of Thermal and Solar-induced Fluorescence Remote Sensing for Crop Water Stress Monitoring over North China Plain, Iberian Peninsula, and Luxembourg

Presenting author: Matgen, Patrick

Matgen, Patrick (1); Hu, Tian (1); Zeng, Yelu (2); Mallick, Kanishka (1); Corbari, Chiara (3); Liu, Xinjie (4); Cui, Yaokui (5); Paciolla, Nicola (3); Jia, Aolin (1); Gao, Yongyuan (2); He, Yachang (2), 1: Luxembourg Institute of Science and Technology (LIST), Luxembourg; 2: China Agricultural University, China; 3: Politecnico di Milano, Italy; 4: Aerospace Information Research Institute, Chinese Academy of Sciences, China; 5: Peking University, China



10:10-10:30 (17:10-17:30 CST) | Resilient Wetlands and Human-Water Relationship in Watersheds

Presenting author: Zhao, Hongmei

Lin, Hui (1); Sauvage, Sabine (2); Chen, Xiaoling (3); Tang, Danling (4); Zhao, Hongmei (1); Lu, Jianzhong (3); Deng, Zhigang (5); Zhang, Li (1); Chen, Liqiong (3); Liu, Guihua (1), 1: Key Laboratory of Wetland and Watershed Research, Ministry of Education, Jiangxi Normal University,; 2: Functional Ecology and Environment LaboratoryUniversity Paul Sabatier - Toulouse III; 3: State Key Laboratory of Information Engineering in Surveying, Mapping and Remote Sensing (LIESMARS), Wuhan University; 4: Southern Marine Science And Engineering Guangdong Laboratory; 5: School of Software, East China Jiaotong University



10:30-10:50 (17:30-17:50 CST) | Microwave and Optical Remote Sensing of Salt Lakes from Space

Presenting author: Yin, Qiang

Yin, Qiang (1); Yesou, Herve (2); Ma, Fei (1); Hong, Wen (3); López-martínez, Carlos (4); Nerry, Françoise (2); Rehbindler, Jean (2); Azzoni, Maxime (2), 1: Beijing University of Chemical Technology, China; 2: ICUBE, University of Strasbourg, France; 3: Aerospace Information Research Institute, Chinese Academy of Sciences, China; 4: Universitat Politcnica de Catalunya, Space Studies Institute of Catalonia IEEC, Spain



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Coffee Break

10:50 - 11:10 (Central European Time)

17:50 - 18:10 (China Standard Time)

DATA ANALYSIS (D.6.3.2)

Chairs: Dr. Francesca Cigna, National Research Council, Dr. Kuan Li, Macau University of Science and Technology, Macau S.A.R., China

11:10 - 11:50 (Central European Time)

18:10 - 18:50 (China Standard Time)



11:10-11:30 (18:10-18:30 CST) | STAI4CH: Spatio-Temporal AI-based EO Data Mining to Assess Anthropogenic Impacts and Sustainability Measures on Cultural Heritage Along Ancient and Modern Waterways

Presenting author: Cigna, Francesca

Cigna, Francesca (1); Yue, Peng (2); Tapete, Deodato (3); Rayne, Louise (4); Makovics, Jen (4); Irvine, Hope K. (4); Zhang, Chenxiao (2); Zhao, Ming (2); Wu, Haoru (2), 1: Institute of Atmospheric Sciences and Climate (ISAC), National Research Council (CNR), Italy; 2: Wuhan University, School of Remote Sensing and Information Engineering, 430079, Wuhan, China; 3: Italian Space Agency (ASI), 00133, Rome, Italy; 4: Newcastle University, School of History, Classics and Archaeology, NE1 7RU, Newcastle upon Tyne, UK



11:30-11:50 (18:30-18:50 CST) | The introduction of the Macau Science Satellite program

Presenting author: Li, Kuan

Zhang, Keke (1); Livermore, Phil (2); Li, Kuan (1), 1: Macau University of Science and Technology, Macau S.A.R. (China); 2: University of Leeds, UK

Closing by ESA and CSTEC (D.6.3)

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18:50 - 19:00 (China Standard Time)