

3rd edition European Symposium by NEREUS Regions Space in Occitanie: The future has already begun! 2nd & 3rd October 2024

2nd OCTOBER	
08:30	Registration
Sophie Voinis – journalist - introduced as the Master of ceremony	
09:00	<p>Welcome and Introduction</p> <ul style="list-style-type: none"> ▫ Mr. Jalil Benabdillah, Vice President of Region Occitanie: Space from the Occitanie region perspective ▫ Mr. Philippe Baptiste, President of CNES: the National and European policy from the CNES Perspective
09:20	<p>Opening session by Thierry Cotelle - President of NEREUS and Vice-President of Space Committee for the Occitanie Region</p> <p>Presentation of NEREUS Vice-President Vito Bardi – President of Basilicate Region and José Manuel Bolieiro - President of Azores Region.</p>
09:30	<p>THE NEREUS WORKSHOP: global challenges and needs: an evolving Space landscape to support society</p> <ul style="list-style-type: none"> - Science to support society : Michael Toplis, President of UTBD, University of Toulouse Board of Directors - New economic model, new processes, new contracts, Lucien Rapp - Scientific Director of the SIRIUS Chair at University of Toulouse 1 <ul style="list-style-type: none"> ○ New Space and New Players: private alternatives, Open Innovation with collaboration between all type of players, structuration of the Space policy and the Space market with a balanced sharing of roles between new private and public actors and historical players ○ European institution’s role to support space evolution and its contribution to sustainability: Financial support mechanisms for the transformation and competitiveness of an emerging industry, Institutional control and regulatory obstacles, as limiting factors (benchmark, feedback from European Regions), the balance between emerging and legacy players should be well addressed.

	<ul style="list-style-type: none"> ○ European sovereignty as a key aspect of sustainability of European society: which needs in the current international context? The USA Model.
10:00	<p>ROUND TABLE 1 - setting the scene - IMPACTS OF THE EU SPACE PROGRAM, SPACE DATA AND SERVICES IN EUROPEAN TERRITORIES:</p> <p><u>Chairwoman: Christina Hernandez Puig – VP Head of Legal Connected Intelligence and Space Digital, Airbus Defence and Space</u></p> <p>Speakers : Alessandra Tassa - Copernicus User Expert in ESA’s Directorate of Earth Observation Programmes, Mauro Facchini – Head of Copernicus Unit, European Commission or Elizabeth Hamdouch - Deputy Head of Unit for Copernicus DG DEFIS, European Commission (Confirmed), Selma Cherchali – Land and Hydrology Program Manager, CNES (confirmed), Bertrand MONTHUBERT – Co-Chairman of the Data Governance WG, Ekitia, Stephanie Limouzin – Chief Executive Officer, CLS.</p> <p>1) <u>Challenge 1 – Maximizing the impacts of the EU Space program’s components in the regions by boosting activities, services development and competitiveness of the stakeholders.</u></p> <ul style="list-style-type: none"> - Ambitious EU Space program related to environment issues: Galileo - Value chain involving a wide range of actors from satellite to end user - Role of the regions as both prescriptor of services and/or final users, Impacts in territories <p>2) <u>Challenge 2 - Limitations of Space data and information in the legal context for regulation activities by local and/or regional administrations</u></p> <ul style="list-style-type: none"> - The case of Oil Spill, Stephanie Limouzin - Chief Executive Officer, CLS. - What is currently the applicability domain of space data in the legal domain at EU level? - State of play in the Nereus Regions and Exchange of best practices.
11:00	Questions & Answers
11:10	Coffee Break
11:30	<p>ROUND TABLE 2 – ENVIRONMENTAL RISKS AND PREVENTION: <i>WHAT ARE THE CHALLENGES?</i></p> <p><u>Chairwoman: Daniela Iasillo</u></p> <p>Speakers: Samuel Morin - Researcher and Director of CNRM (UMR Météo-France - CNRS) at METEO FRANCE and Co-director of PEPR (confirmed), Aquavalley (confirmed, name tbc), Murielle Lafaye -Head of EUMETSAT program at CNES (confirmed), EDF (tbc), Louis Chevalier – Head of territorial Ecology and Energy Department Agroecology, Sicoval , Satsdisfaction project.</p>

	<p>1) Challenges and Impact in territories:</p> <ul style="list-style-type: none"> - Acquedotto Pugliese – Puglia, Italy, - Project valorada - “Forecast needs of water for the Agriculture sector in Sicoval area, France; Louis Chevalier - Head of Territorial Ecology and Energy Department, Sicoval. - SATSDIFACTION project : Camille Debrock, GIS and Remote Sensing Project Manager, Occitanie Region <p>2) <u>Climate change risks and prevention: What are the challenges we are currently facing ? How can Space help?</u> Hydrology water and seas - Hydro-venture project (first European center of spatial hydrology - project France 2030 – best practices and tools), MEOSS (confirmed)</p> <p>3) <u>How can data facilitate water management : exchange of best practices</u></p> <ul style="list-style-type: none"> • BEST PRACTICE: "PARACELSO - Predictive Analysis, Monitoring, and Management of Climate Change Effects Leveraging Satellite Observations", Po River District Basin Authority, CNR, University of Padova, University of Bologna, University of Modena and Reggio Emilia, Italy • BEST PRACTICE: Andreas Kanstein, cesah (Hesse) - “SWIM: Surface Water Information Management”, e.Ray Europa GmbH, Darmstadt / Hessen, Germany
12:45	Q and A and Keynote: introduction to the topics of the afternoon - WATER MANAGEMENT & SOLUTIONS
13:05	Lunch
14:30	<p>ROUND TABLE 3 – WATER MANAGEMENT: WHAT ARE THE SOLUTIONS? In almost all European region decision-makers must look for new and innovative solutions to ensure sustainability despite all surrounding risks</p> <p>Chairman: Jean Marc Gardin – Deputy Chief Executive Officer, Telespazio Spa or Mercator</p> <ul style="list-style-type: none"> ▫ Space technology solutions, Earth observation and satellite-based positioning systems: Exchanges of Best practices. • BEST PRACTICE: "Water Resource Management Project for Agriculture through Satellite Data", GEO4, Emilia-Romagna, Italy • BEST PRACTICE: "Best practices related to addressing water challenges: linking space to user needs", HydroVenture Alliance, Occitanie, France (Vortex) • BEST PRACTICE: “Water Management Challenges in the Azores”, Azores, Portugal • BEST PRACTICE: "Satellite Sentinel-2 data for algal bloom detection and monitoring in inland waters", Consiglio Nazionale delle Ricerche (CNR) and Universita della Basilicata, Italy

	<ul style="list-style-type: none"> • BEST PRACTICE: “Monitoring Flood Events in Veneto with Sentinel-1 and Sentinel-2 Satellite Images”, Veneto, Italy <p>Companies:</p> <ul style="list-style-type: none"> - BWI Blue Water Intelligence, CLS, Mercator, Kineis <ul style="list-style-type: none"> • BEST PRACTICE: “The ECONET Project: Use of AI for surface water monitoring with satellite and ground sensor data”, ASI, Lazio, Italy
16:30	Coffee Break
16:45	Questions and Answers
17:00	Conclusion
17:15	Keynote for tomorrow’s round table on energy
20:00	<p><u>Dinner with presidents of NEREUS regions (Espace Charles de Gaulle + All) :</u></p> <p><u>Welcoming speech by president Carole Delga, 17h Anniversary of Nereus:</u> Thierry Cotelle - President of NEREUS and Vice-President of Space Committee for the Occitanie Region, Alain Beneteau – former NEREUS president, Martin Malvy – former president of Region Occitanie.</p> <p><u>Ceremony Trophy Nereus</u> (Président Vito Bardi – President of Basilicata Region + José Manuel Bolieiro - President of Azores Region) + Thierry Cotelle - President of NEREUS and Vice-President of Space Committee for the Occitanie Region.</p>

3rd OCTOBER	
08:30	Registration
09:00	Welcome and Introduction by Thierry Cotelle – President of NEREUS and Vice-President of Space Committee for the Occitanie Region
09:10	Challenges to raise for Energy Presentation by ABI of a study financed by France 2030 on space applications for the earth, promoting the Fr space system in general.
09:30	Evenflow on behalf of ECMWF, European Centre for Medium-Range Weather Forecasts
09:45	ROUND TABLE 4: Energy Speakers: Sylvain Chapon – Strategic Marketing Delegate at ENGIE - strategic partnerships with CNES, Nicolas Schmutz - Founder and Chairman of REUNIWATT, Xavier Albert Lebrun - Business development at ADS + TAS (Solaris), ADEME, French Environment and Energy Management Agency (tbc)
10:30	Coffee break
11:00	ROUND TABLE 4: Energy c’ed What are the needs and Challenges? Environmental sustainability is one of the main goals of cities and regions Challenges - Data management <ul style="list-style-type: none"> • BEST PRACTICE: "New challenges in solar energy resource and forecasting", University of Patras, Greece? • BEST PRACTICE: "Satellite data and lidar point clouds for Vegetation management strategies in the field of electric transmission lines", Geocart / TERN, Basilicata, Italy • BEST PRACTICE: “Energy Challenges in the Azores”, Azores, Portugal • BEST PRACTICE: CEREMA, Occitanie, France, National production of Local Climate Zone covering the biggest 83 biggest urban areas of metropolitan France. Link with EnRezo project • BEST PRACTICE: AURA-EE, Auvergne, France
12 :30	Walking Lunch at La Region
13:45	Departure

PROGRAM OF VISITS: 3rd OCTOBER	
Participants : around 50 participants	
12:30	Lunch at la Region (Hall Savary) (Bus 13h45 : Région to Aerospace Valley)
14:00	Aerospace Valley +IRT
15:30	Departure to la Cité de l'Espace (Bus : Aerospace Valley to Cité de l'Espace) - hosted by Jean-Baptiste Desbois, director of the Cité de l'Espace (To be confirmed) <ul style="list-style-type: none"> • Lune Explorer
16:30	Cité de l'Espace - Show IMAX Group
17:30	Cité de l'Espace – End of visit (Bus : Cité de l'Espace to Région)