

Tuesday February 11, 2025

8h45-9h45		The future of biodiversity monitoring: New Earth Observation missions. PHILIPPE MAISONDGRANDE
		CNES Space missions for the study of biodiversity - <i>Philippe Maisongrande</i> - THEIA
10h-11h30		EO conceptual approaches to improve biodiversity monitoring
	10h30-10h40	Biodiversity in changing terrestrial, aquatic, and marine Ecosystems: Calling for a unifying earth observation perspective - <i>Laurent Barille, Pierre Gernez, Wilfried Thuiller</i> - ODATIS
	10h40-10h50	An EO-based framework for monitoring tropical forests ecosystems in Costa Rica: extent, condition and composition - <i>Jean-Baptiste Féret, Samuel Alleaume, Mona Bonnier, Rémi Cresson, Florian de Boissieu, Sandra Luque, Mairi Souza Oliveira</i> - THEIA PNDB
12h-13h30		Ecosystem Extent
	13h-13h12	Increasing engagement of the Committee on Earth Observation Satellites (CEOS) with biodiversity - <i>Sandra Luque</i> - THEIA PNDB
18h-19h30		Posters Session 1
		A new operational approach for landscape characterisation and mapping based on radiometric information - <i>Alexandre Defossez, Samuel Alleaume, Yonas Alim, Agnès Bégué, Laurent Demagistri, Anne-Elisabeth Laques, Louise Lemettais, Sandra Luque, Simon Madec</i> - THEIA PNDB
		ESA Coastal Blue Carbon Project : Towards Earth-Observation-based solutions for coastal blue carbon monitoring - <i>Amélie Séchaud, Benoit Beguet, Elodie Blanchard, Alvise Ca'zorzi, Thibault Catry, Pierre Coan, Thimothée Cook, Aurélie Dehouck, Christine Dupuy, Imad El-Jamaoui, Nicolas Lachaussee, Virgine Lafon, Christophe Proisy, Marie-Aude Sévin, Manon Tranchand-Besset, Natacha Volto</i> - THEIA
		Estimation of forest EBVs with imaging spectroscopy: two cases studies - <i>Xavier Briottet, Sophie Fabre, Jean-Baptiste Feret, Adeline Karine, Marc Lang, David Sheeren</i> - THEIA
		Evaluating Sentinel-2-derived spectral biodiversity metrics for forest biodiversity monitoring in African tropical conservation landscapes - <i>Jean-Baptiste Feret, Clovis Grinand, Frédérique Montfort, Marie Nourtier</i> - THEIA
		Monitoring Climatic Anomalies and Vegetation Functioning in Italian Protected Areas through Satellite and Climatic Indices - <i>Francesca Pretto</i> - THEIA
		The Hyperspectral Bio-Optical Observations Sailing on Tara (HyperBOOST) dataset: relevance for the development and validation of coastal and oceanic biodiversity applications - <i>David Doxaran</i> - THEIA
		Two decades of Spectral Variation Hypothesis: advances and challenges in estimating biodiversity with remote sensing - <i>Jean-Baptiste Feret</i> - THEIA

Wednesday February 12, 2025

10h-11h30		Marine Ecosystems
	10h11-10h22	Absorption diversity of bloom-forming phytoplankton species, toward hyperspectral remote sensing identification of red tide events ?- <i>Pierre Gernez, Tristan Harmel, Thomas Lacour, Victor Pochic.</i> - ODATIS
12h-13h30		Freshwater and Inland Wetland Ecosystems
	12h44-12h55	Assessment of eutrophication dynamics of lakes at a large scale by coupling Sentinel-2 remote sensing, machine learning and field observations - <i>Roxelane Cakir, Vanessa Dos Santos, Mathilde Joffre, Jean-Michel Martinez, Sabine Sauvage, Matheus Tavares</i> - THEIA
12h-13h30		Coastal Ecosystems
	12h00-12h11	Effect of Marine and Atmospheric Heatwaves on Reflectance and Pigment Composition of Intertidal <i>Nanozostera noltei</i> - <i>Anne-Laure Barillé, Laurent Barillé, Bede Ffinian Rowe Davies, Augustin Debly, Pierre Gernez, Nicolas Harin, Simon Oiry, Philippe Rosa</i> - ODATIS
	12h11-12h22	A Full Map of European Intertidal Seagrass - <i>Laurent Barillé, Bede Ffinian Rowe Davies, Pierre Gernez, Simon Oiry, Philippe Rosa</i> - THEIA ODATIS
	12h22-12h33	Developing EO-based framework for estimating biodiversity variables of coral reef and seagrass ecosystems at Large Scale - <i>Touria Bajjouk, Benoit Béguet, Lionel Bigot, Sylvain Bonhommeau, Malik Chami, Mauro Dalla Mura, Lucas Drumetz, Magali Duval, Jean-Baptiste Féret, Antoine Huguet, Antoine Lavrard-Meyer, Sophie Loyer, Audrey Minghelli, Pascal Mouquet</i> - PNDB ODATIS
	12h33-12h44	Space-based monitoring of mangroves for anticipatory Nature-Based Solutions: a three-point research agenda - <i>Gwenaél Abril, Léa Ackerer, Edward Anthony, Paul-Emile Augusseau, Elodie Blanchard, Fabien Blanchard, Elodie Boriau, Thibault Catry, Médie Collet, Jean-Bernard Duchemin, Antoine Gardel, Ludovic Granjon, Martine Hossaert, Dominique Joly, Johanna Jupin, Quentin Marsal, Tanguy Maury, Christophe Peyrefitte, Christophe Proisy, Philip Roche, Pierre Scemama, Adrien Staquet, Olivier Thebaud</i> - THEIA
	12h44-12h55	Spatiotemporal Evaluation and Hyperspectral Modelling of Microphytobenthos Gross Primary Productivity in France Estuarine Environments - <i>Augustin Debly, Julien Deloffre, Regis Gallon, Adrien Jacotot, Patrick Launeau, Vona Meleder, Simon Oiry, Philippe Rosa, Hajar Saad El Imanni</i> - ODATIS
	12h55-13h06	Improving the assessment of Blue Carbon stock of mangroves using remote sensing along the Amazon coast - <i>Gwenaél Abril, Benoit Béguet, Elodie Blanchard, Thibault Catry, Jean-François Faure, Johanna Jupin, Quentin Marsal, Christophe Proisy</i> - THEIA
	13h17-13h28	A innovative approach for remote sensing methods and sensors benchmarking prior to BCE monitoring at large scale - <i>Benoit Béguet, Rémi Budin, Cécile Curtie, Nicolas Debonnaire, Aurélie Dehouck, Virginie Lafon, Julie Mollies, Clemence Rozo, Amélie Sechaud, Manon Tranchand-Besset</i> - THEIA

Thursday February 13, 2025

10h-11h30		Ecosystem Condition and Restoration
	10h55-11h06	A multisource adaptive strategy for the characterization and monitoring of ecological corridors by remote sensing - <i>Rémi Budin, Benoit Beguet, Clemence Rozo, Nicolas Débonnaire, Nicolas Durou, Virginie Lafon</i> - THEIA
12h-13h30		DEMO: TerEcoData: a webservice to monitor terrestrial ecology changes from Earth Observing systems - <i>Aline Deprez, Jean-Philippe Malet, David Michea, Anne Puissant</i> - THEIA

18h-19h30	Posters Session 2	
		GeoPLAntNet: A Remote Sensing-Based Deep Learning Workflow for Biodiversity Mapping and Monitoring - <i>Antoine Affouard, Pierre Bonnet, Christophe Botella, Benjamin Deneu, Maxime Fromholtz, Alexis Joly, César Leblanc, Rémi Palard, Maximilien Servajean</i> - PNDB
		Analyzing post-disturbance recovery dynamics in European forests using remote sensing data - Samuel Alleaume, Eatidal Amin, Cássio Fraga Dantas, Dino Ienco, Sandra Luque, Lukas Picek - THEIA PNDB
		Biodiversity monitoring by species distribution modelling using species association interactors from Sentinel-2 data: A case study of the GUARDEN project - <i>Alexis Joly, Maxime Ryckewear</i> - PNDB
		Comprehensive regional assessment of brood habitat suitability for Alpine black grouse - <i>Samuel Alleaume, Alexandre Defossez, Nadia Guiffant, Dino Ienco, Sandra Luque, Marc Montader</i> - THEIA PNDB
		Estimation of river wildness with Artificial Intelligence, Remote Sensing and Citizen Science - <i>Nicolas Mouquet</i> - PNDB
		Evaluating MULTIOBS Chlorophyll-a with ground-truth observations in the Eastern Mediterranean Sea - <i>Raphaëlle Sauzède</i> - ODATIS
		Exploring the potential of hyperspectral data from space supporting harmful algal bloom studies - <i>Pierre Gernez, Thomas Lacour, Soazig Manach, Victor Pochic, Michael Retho</i> - ODATIS
		From presence-only to abundance species distribution models using transfer learning - <i>Simon Bettinger, Benjamin Bourel, Alexis Joly, David Mouillot, Maximilien Servajean</i> - PNDB
		Linking Earth Observations and in situ omics data via machine learning to estimate plankton biodiversity in the Mediterranean Sea - <i>Pierre Galand</i> - ODATIS
		Monitoring of wetland restoration trajectories combining machine learning based VHR vegetation mapping and Sentinel-2 derived rewetting - <i>Benoit Beguet, Marie-Lise Beno, Rémi Budin, Virginie Lafon, Julie Mollies</i> - THEIA
		Phytoplankton Community Composition in European Coastal Waters: Impact of Particle Concentration on Phytoplankton Absorption and Pigment Retrieval Accuracy - <i>David Doxaran</i> - ODATIS
		<i>Plankton biodiversiTy Through Remote sensing and omics in the MEDiterranean Sea: The PETRI-MED project</i> - <i>Pierre Galand</i> - ODATIS
		Species distribution modelling (SDM) based on neural networks and maximum entropy principle: a case study using Landsat time series - <i>Christophe Botella, Alexis Joly, Diego Marcos, Maxime Ryckewear, Maximilien Servajean</i> - PNDB