



Earth Observation Lab at LPS25

Geography Department | Humboldt-Universität zu Berlin

SUNDAY, 22.06.25

	Title	Session	Location	Time
Jakimow & Janz	<i>Visualization and analysis of Imaging Spectroscopy data with the EnMAP-Box</i>	C.02.21 Research Missions - TUTORIAL	Room 1.61/1.62	15:30

MONDAY, 23.06.25

Ribeiro, Hostert, et al.	<i>Sen4MozParks: Mapping Shifting Cultivation Dynamics in Conservation Areas of Mozambique using Copernicus Data</i>	F.02.08 Advancing Research and Development Through European-African Collaboration: EO AFRICA - PART 1	Room 1.14	14:00
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TUESDAY, 24.06.25

Ghazaryan et al.	<i>Earth Observation based Digital Twin for Resilient Agriculture under Multiple Stressors</i>	D.01.04 Using Earth Observation to develop Digital Twin Components for the Earth System - PART 1	Hall K1	14:00
Lewinska et al.	<i>Deep dive into global per-pixel availability of usable Landsat and Sentinel-2 data</i>	C.05.04 Landsat Program and Science Applications	Hall L1/L2	16:15
Cox et al.	<i>Mapping tree invasions in an Afromontane ecosystem with multidecadal Landsat and Sentinel-2 data</i>	A.02.02 - Terrestrial and Freshwater Biodiversity	X5 – Poster Area Zone L-N	17:45

WEDNESDAY, 25.06.25

Rufin et al.	<i>Transfer learning for national-scale crop field delineation in sub-Saharan Africa using pan-sharpened SPOT 6/7 data</i>	F.02.07 Essential Agricultural Variables: Building Blocks for Global Agriculture Monitoring and Policy Support	X5 – Poster Area Zone S-T	14:00
Berger et al.	<i>Enhanced spectral information for monitoring land-related EU policies</i>	F.04.01 Enhanced spectral information for monitoring land-related EU policies	Hall E1	16:00
Okujeni et al.	<i>Leveraging satellite-based hyperspectral time series for ecosystem monitoring</i>	C.05.05 The German EnMAP Mission: 3 Years of hyperspectral data - From Science to Environmental Applications	Hall N1/N2	16:00
Steinhauser et al.	<i>Deriving seasonal dynamics of crop development by quantifying CNC and NPV via Spectroscopy in Central Valley, California</i>	C.05.05 The German EnMAP Mission: 3 Years of hyperspectral data - From Science to Environmental Applications	Hall N1/N2	16:00
Jakimow et al.	<i>Advancing Hyperspectral Data Analysis with the EnMAP-Box</i>	C.05.05 The German EnMAP Mission: 3 Years of hyperspectral data - From Science to Environmental Applications	X5 – Poster Area Zone P	16:00
Schneiderei et al.	<i>Standardized Spectral Mixing Approaches for Global Non-Photosynthetic Vegetation Fraction Mapping</i>	A.02.06 Advances in land surface phenology monitoring and applications	X5 – Poster Area Zone P-Q	17:45
Blickensdörfer et al.	<i>Leveraging multi-decadal satellite image time series to characterize grassland history for climate reporting</i>	B.02.05 Restoring Biosphere Resilience: Transforming Agriculture, Forestry and Other Land Use (AFOLU) from Carbon Source to Sink	X5 – Poster Area Zone R	17:45
Eichfuss et al.	<i>Sen4MozParks: Mapping Shifting Cultivation Dynamics in Conservation Areas of Mozambique using Copernicus Data</i>	B.02.05 Restoring Biosphere Resilience: Transforming Agriculture, Forestry and Other Land Use (AFOLU) from Carbon Source to Sink	X5 – Poster Area Zone R	17:45
Lobert et al.	<i>Continuous Monitoring of Cropland Cover and Management to Support Carbon Sequestration Assessment</i>	B.02.05 Restoring Biosphere Resilience: Transforming Agriculture, Forestry and Other Land Use (AFOLU) from Carbon Source to Sink	X5 – Poster Area Zone R	17:45

THURSDAY, 25.06.25

Stünzi et al.	<i>Quantifying boreal forests' impact on permafrost</i>	A.09.06 Advances in Permafrost	Room 1.85/1.86	08:30
Kummer et al.	<i>Standardizing Earth Observation Workflows with Nextflow and nf-core</i>	D.04.02 Best practices for execution of algorithms and workflows across federated cloud environments	Hall L3	11:30
Frantz et al.	<i>A space-borne weighing machine to measure humanity's resource hunger in support of sustainability sciences</i>	B.02.01 Earth System Governance & Sustainability Frameworks	X5 – Poster Area Zone O	17:45
Köber et al.	<i>Spatial vs. Temporal: Trade-Offs in High-Resolution Satellite Imagery for National-Scale Hedgerow Mapping</i>	F.03.02 - Commercial EO missions' data for land applications	tba	tba

FRIDAY, 26.06.25

Schwieder et al.	<i>Evaluating Grassland Mowing Detection Algorithms Across Europe - Results of the Mowing Detection Intercomparison Exercise (MODCiX)</i>	A.02.07 Monitoring grasslands and rangelands from space - PART 1	Room 1.34	08:30
Harkort et al.	<i>Mapping Fractional Vegetation Cover in Sub-Saharan Rangelands Using Phenological Feature Spaces</i>	A.02.07 Monitoring grasslands and rangelands from space - PART 2	Room 1.34	11:30
Schneiderei et al.	<i>High resolution reconstructions of Pan-European woody cover timeseries from 1990-2024</i>	A.02.04 Advances in Monitoring and Management of Forest Ecosystems - PART 6	Hall F2	11:30
Alsleben et al.	<i>Monitoring Species-Specific Tree Dieback across Central European Temperate Forests using Sentinel-2 Time Series</i>	A.02.04 Advances in Monitoring and Management of Forest Ecosystems	X5 – Poster Area Zone F-J	13:00
Pfoch et al.	<i>Building development is the main cause of rapid wildland-urban interface growth in wildfire-prone Mediterranean-type ecosystems</i>	A.02.04 - Advances in Monitoring and Management of Forest Ecosystems	X5 – Poster Area Zone F-J	13:00
Nghiyalwa et al.	<i>Spatio-temporal Unmixing of the South African Protected Savanna Ecosystems Using a multi-data approach with spectral temporal metrics.</i>	A.02.07 - Monitoring grasslands and rangelands from space	X5 – Poster Area Zone D-F	13:00