

Side Event at

Ramsar African Regional Preparatory Meeting

Satellite based Wetland Observation –
the wetland community Portal and free available
tools for wetland monitoring, Ramsar / SDG
reporting and wetland management guidance



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No 101019088



Melting Process, The Nenets Autonomous Okrug / Komi Republic,
Sentinel-1A, descending orbit, VV polarization,
R: 27-05-2017, G: 08-06-2017, B: 20-06-2017
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Monday, 26th February
from 18.00 -19.00
at Meeting Room (tbd)



Abstract

Wetlands including peatlands are one of the fastest declining ecosystems, while they are hot spots of biodiversity and provide valuable ecosystem services.

The H2020 EU project “Satellite based Wetland Observation Service (SWOS)” developed a service and free available tools for the local to global satellite based monitoring of the ecological character of wetlands, the monitoring of restoring measures or for wetland inventory and delineation.

The free available satellite data are an excellent basis to map dynamics in wetland ecosystems, to derive information on the ecological status and trends in wetlands and to map long and short term changes.

The side event will invite to a satellite based wetland observation using SWOS services with its free tools and portals for wetland monitoring including indicator calculation and introduce how SWOS services support reporting obligations e.g. for SDG 6.6.1 and Ramsar.

The side event will inform about the ESA/EU Copernicus satellite program and finally a new initiative „Wetland-Afrika“ will be introduced. The BfN (Federal Agency for Nature Conservation, Germany) funded project will transfer tools and results of SWOS to African frameworks and implement, together with user organizations in Africa, satellite derived information into management guidelines for wetlands.

Links:

<http://swos-service.eu>

https://www.esa.int/Our_Activities/Observing_the_Earth/Copernicus

Short-term changes of a plantation in the buffer and transition zone of UNESCO Man and the Biosphere Reserve, the Giam Siak Kecil-Bukit Batu Biosphere, Sentinel-1A, descending orbit, VV polarization, R: 2016-01-10 G: 2016-02-03 B: 2016-02-15
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Agenda

Presentations

Kathrin Weise	Jena-Optronik GmbH	SWOS – the Satellite based Wetland Observation Service
Marc Paganini	European Space Agency (ESA)	The Copernicus satellite program of ESA / EU
Rene Höfer	Jena-Optronik GmbH	SWOS tools and portals
Kathrin Weise	Jena-Optronik GmbH	Introduction of the new project “Wetland-Afrika” - management guidelines using satellite information

Questions / Discussion

Short-term changes in Tver Region, Sentinel-1A, descending orbit, VV polarization, R: 2017-01-09, G: 2017-03-10, B: 2017-04-15
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