

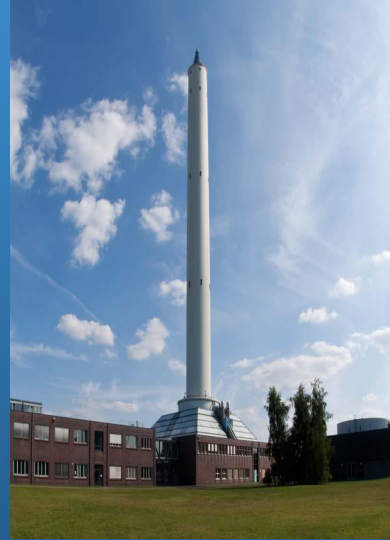
United Nations/Austria Symposium

“Access to Space: Holistic Capacity Building for the 21st Century”

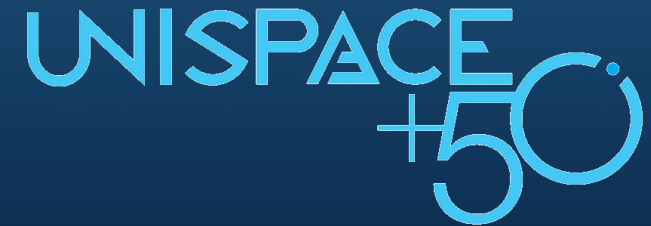
**Prof. Dr. Pascale Ehrenfreund
Chair of the DLR Executive Board
Graz, 04. September 2017**



Capacity Building for the 21. Century – Relevance and DLR contributions



- Funding to projects: “Remote sensing in schools” and “Space for Geography” English Tutorial available!“
- 5th SAR-EDU Summerschool Sept. 2016, Jena (Free for all audiences)
- 5th EnMAP Summer School April 2016, Trier (For PHD and master thesis appl.)
- Numerous support to PhD, Master and Bachelor through funded projects
- Support to National Copernicus institutional training program

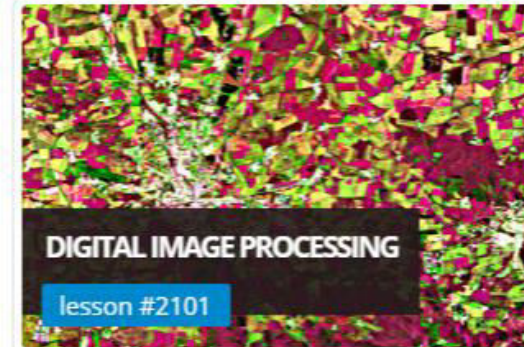




📅 26 Dec, 2014
🏢 TUM
★ no ratings
💬 10 comments



📅 15 Dec, 2014
🏢 DLR
★ 8.44444
💬 no comments



📅 15 Dec, 2014
🏢 FSU
★ 5.5
💬 no comments



📅 15 Dec, 2014
🏢 FSU
★ 9.5
💬 no comments



📅 15 Dec, 2014
🏢 FSU
★ 10
💬 no comments



📅 15 Dec, 2014
🏢 FSU
★ no ratings
💬 1 comment



📅 15 Dec, 2014
🏢 FSU
★ 9.33333
💬 no comments



📅 15 Dec, 2014
🏢 FSU
★ 3.66667
💬 no comments

International Earth Oriented Space Science and Technology (ESPACE) Master's Program @ Technical University of Munich

DLR IMF – University Activities

- ~10 IMF scientists teaching remote sensing technology
- No university tuition fees
- Double degree program with Wuhan University / CN



AfriSAR 2016

Mondah
Pongara



Nkok



Lope National Park

Mabounie



Rabi



JERS LHH MOSAIC of GABON
R: LHH-1 (Oct-Nov, 1996)
G: LHH-2 (Jan-Mar, 1996)
B: Ratio LHH-1/LHH-2

Objectives

Tandem-L:

Development & validation of algorithms for forest structure characterisation

@ L-band

GEDI

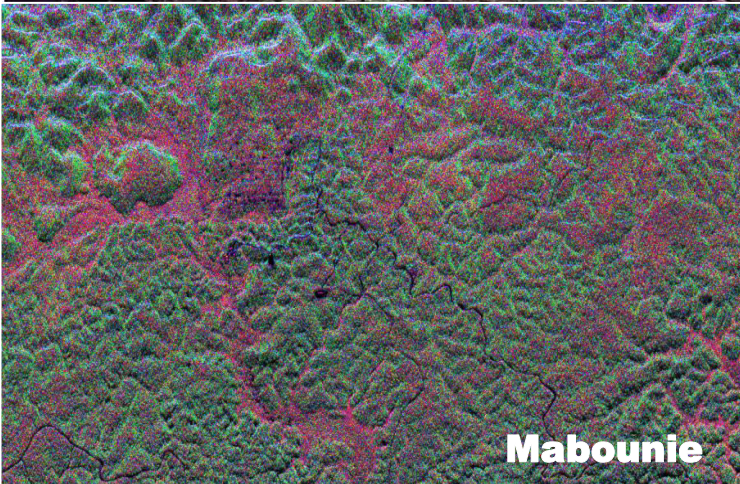
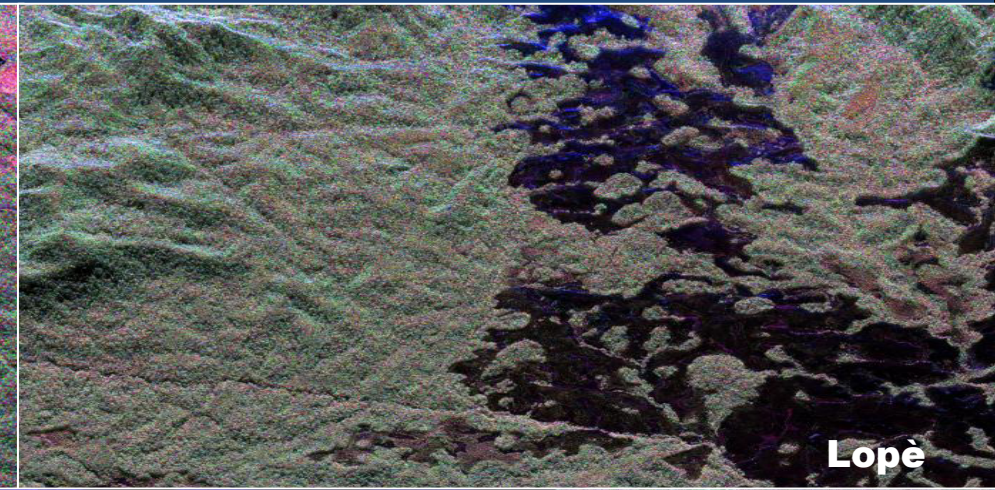
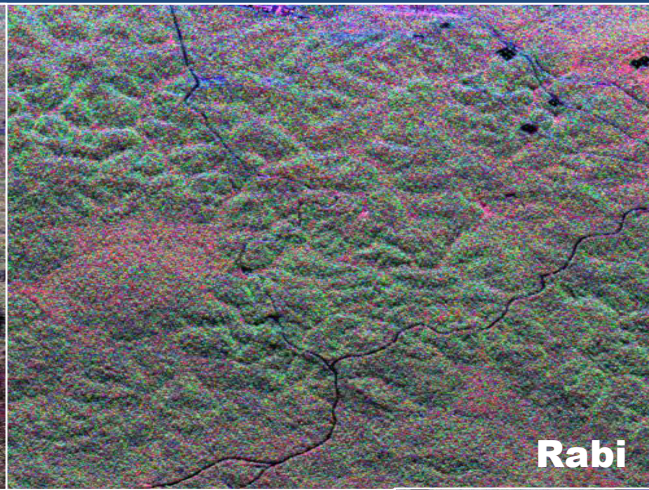
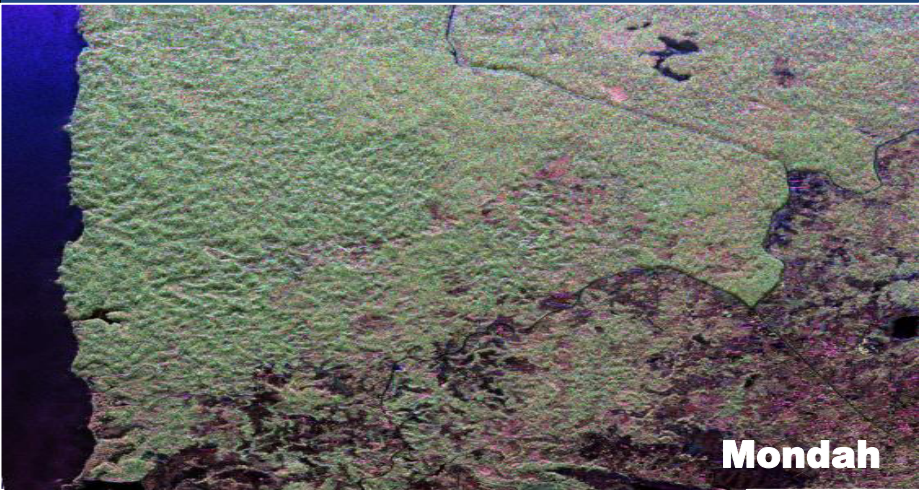
Development & validation of methodology for combining TD-X / GEDI measurements

BIOMASS

Establishment & validation of a common framework for PolSAR, Pol-InSAR and TomoSAR measurements to support Biomass estimation @ P-band

AfriSAR 2016

The Test Sites



AfriSAR 2016

tes

Lopè

Pongara



International Workshops




04.-07. May 2017

ISRSE37 TSHWANE 2017

SAR Training

presented by:
Working Group on Capacity Building and Data Democracy

Registration:
saredu.dlr.de/saredu-ceos-summer-school

Image courtesy of ESA

Logos: ISRSE37 TSHWANE 2017, SAREDU, sansa, CEOS, DLR



CEOS  

SAR Training Workshop
10 - 14 October 2016
University of Zambia

Presented By:
The CEOS Working Group on Capacity Building & Data Democracy

Logos: Copernicus, UNITED NATIONS Office for Outer Space Affairs, sansa, esa, German Aerospace Center, SAREDU



Copernicus@work

Nationales Forum für Fernerkundung
und Copernicus vom 14.-16. März 2017 in Berlin

www.d-copernicus.de

UN-SPIDER Office in Bonn, Germany



- United Nations Platform for Disaster Management and Emergency Response (UN-SPIDER) Office in Bonn, with financial support from DLR and the German Federal Ministry for Economic Affairs and Energy
- Conference on UNISPACE+50 Thematic Priority 6: Int. Cooperation towards low-emission and resilient societies (22-24 November 2017, Bonn, organized by UNOOSA and DLR)
- **First UNISPACE+50 Follow-up High-Level Forum to be hosted in November 2018 in Bonn**

Quickfacts DLR School_Labs 2016

12 *DLR_School_Labs*

37.126

Students in *DLR_School_Labs*

~4.000

User of the portal
DLR_next per day

~4.000

Schools provided with
Education material

586

Teachers in Workshops

~400

Interns

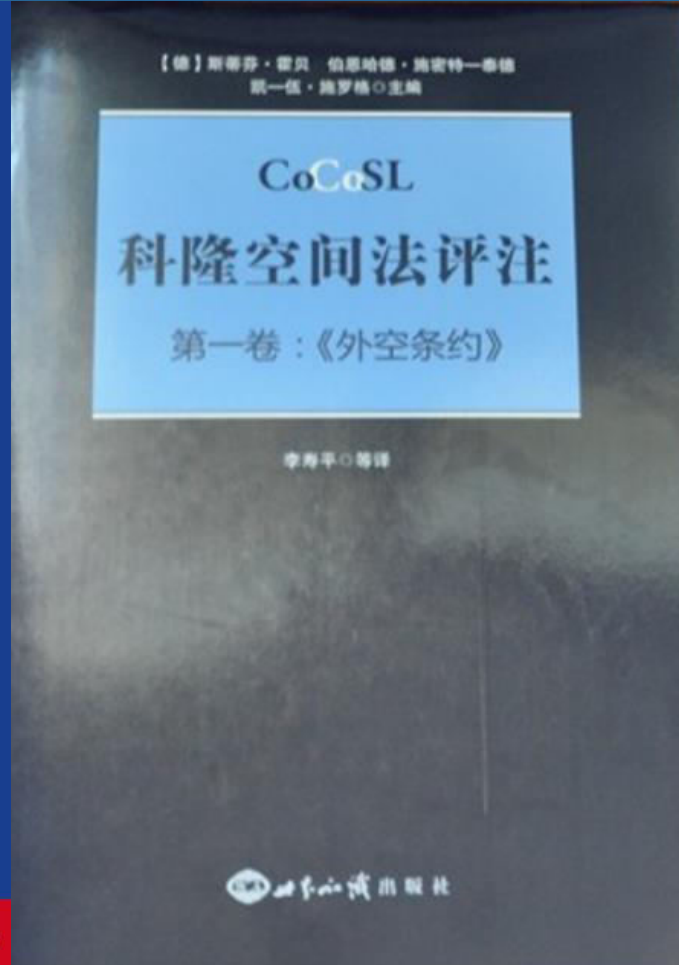
~350

Visitors at DLR on *Girls'Day*



Capacity Building – legal dimension

- Resources for space law education: Cologne Commentary on Space Law
→ Vol. I translated into Russian and Chinese language



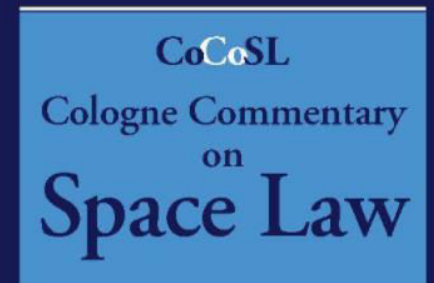
Hobe · Schmidt-Tedd · Schrogl (ed.)
Goh (assist. ed.)



Volume 1
Outer Space Treaty

 Carl Heymanns Verlag

Hobe · Schmidt-Tedd · Schrogl (ed.)
Stubbe (assist. ed.)

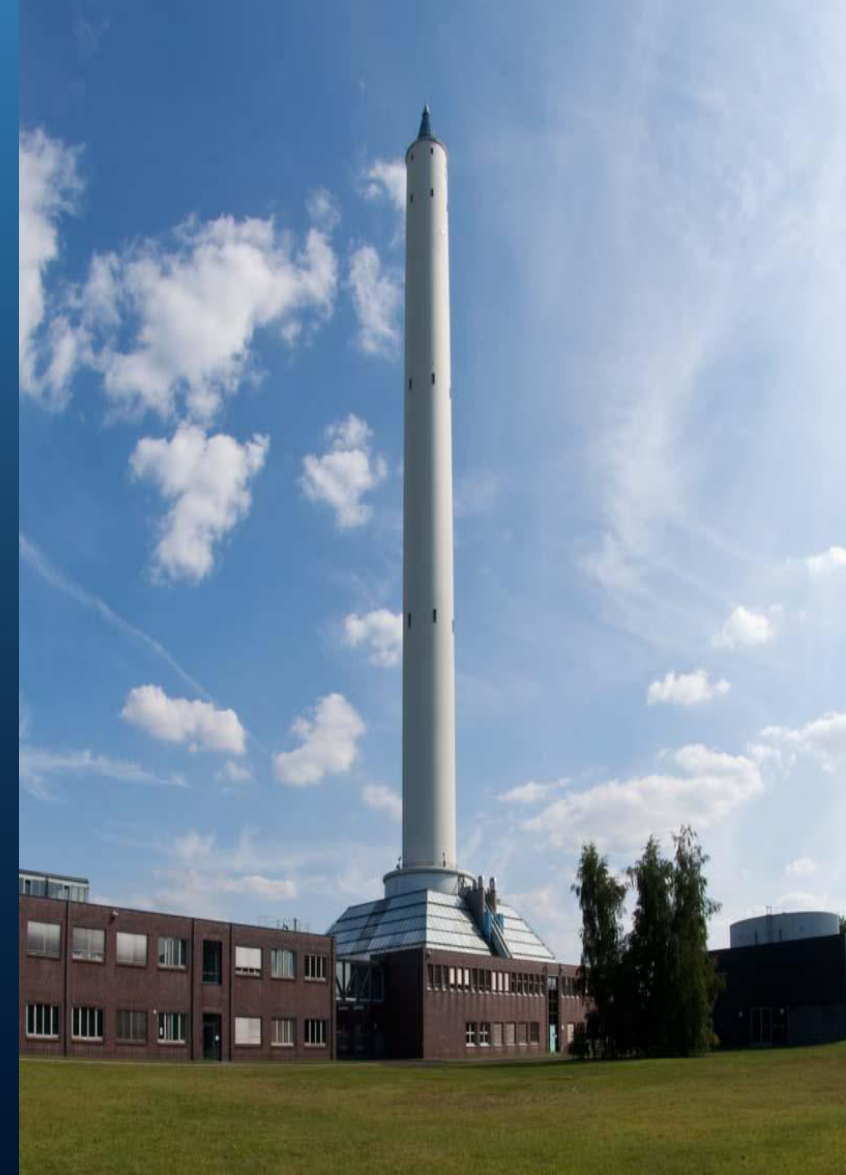


Volume III
DBS Principles
RS Principles
NPS Principles
SB Declaration
LS Resolution
RegPract Resolution
NatLeg Resolution
COPUOS SDM Guidelines

Carl Heymanns Verlag

Objectives of capacity-building

- To assist countries in providing technical, financial and human resources to participate in space activities
- To address and respond to societal, environmental and development challenges of the 21st century
- To strengthen collaborations and to enhance existing partnerships for achieving the Sustainable Development Goals (SGDs)
- To promote knowledge on space science and application – to close gaps of ‚Space Divide‘ (analog ‚Digital Divide‘)





Committee on Earth Observation Satellites

Activities @ DLR's Remote Sensing Technology Institute (IMF)

CEOS 6th Working Group on Capacity Building and Data
Democracy (WGCapD)

