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for Geosciences

HYPERedu- EnMAP Education Initiative

Online learning resources on hyperspectral remote sensing

Supported by:

Federal Ministry
for Economic Affairs
and Energy

on the basis of a decision
by the German Bundestag

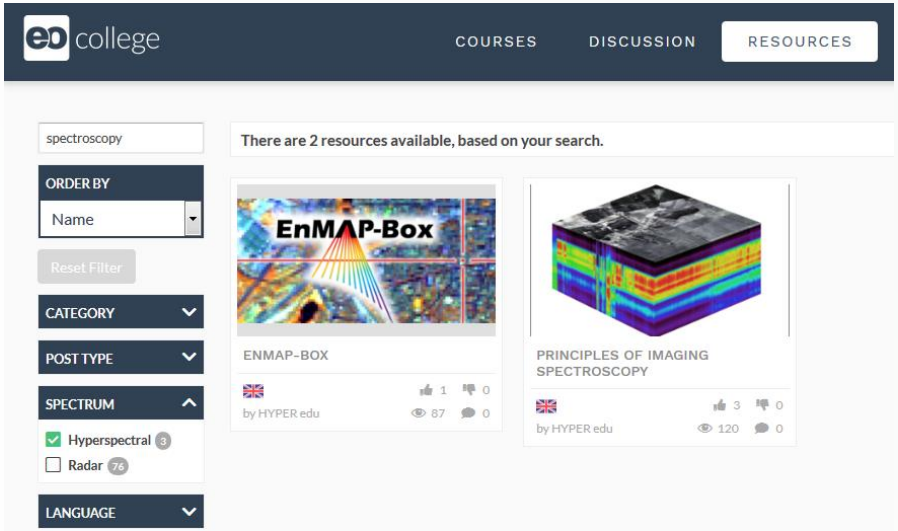
Overview

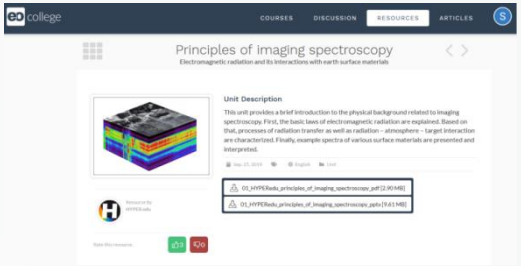
HYPEREDU
EnMAP education initiative

- Contents:
  - Annotated slide collections, tutorials, educational films, interactive graphics and video recordings on principles, methods and applications of imaging spectroscopy
  - Hyperspectral MOOC planned to be opened in 2021
- Target group: students and professionals at master level (English)
- Hosting: EO College platform
- License: Teaching materials are provided free of charge under creative commons license (CC BY-SA 4.0)

HYPERedu on EO college platform

- Platform adapted to new (hyperspectral) contents
- First HYPERedu resources published (slide collection and tutorials) online





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Annotated slide collections

HYPER EDU
EnMAP education initiative

- First annotated slide collection on "Principles of imaging spectroscopy" published in September 2019
- All slide collections are published in pdf and ppt format following corporate layout and consistent structure

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Contents and structure

- Learning resources on
  - Principles
  - Methods
  - Applications
  - Software / data sources
- Cross-references among slide collections and to tutorials
- Materials to be extended and updated in the future

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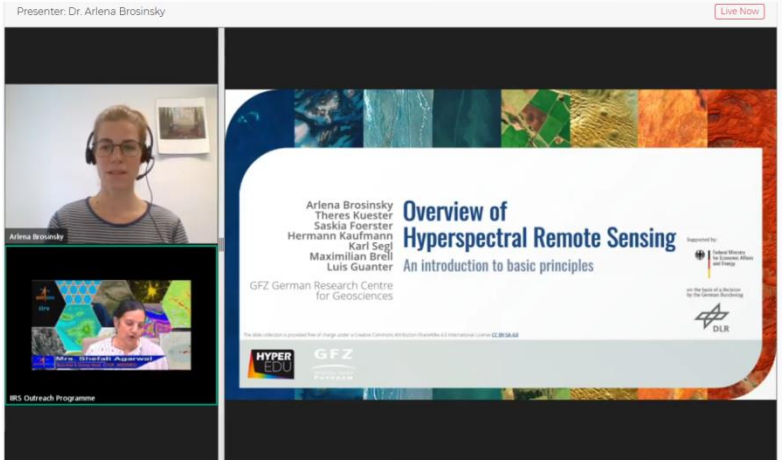
Outlook

- Publication of further learning materials at EO College, development of hyperspectral MOOC to be opened in 2021 and later shorter MOOCs on selected topics
- Use of HYPERedu resources in workshops (EnMAP-Box Workshop 2020 und 2022 in Berlin), training courses (e.g. at Copernicus Forum, webinars) and university teaching



Webinar on hyperspectral remote sensing (organised by ISRO for the CEOS Working Group on Capacity Building & Data Democracy)

7 November 2019

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Thank you

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More info: www.eo-college.org
www.enmap.org

EnMAP Hyperspectral Imager
DLR
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