



# Geo:spektiv2GO

## – making remote sensing mobile for students

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# Sentinel-2 – Hagen at Teutoburg Forest (Lower Saxony) – 09.09.2021





# GEO:SPEKTIV2GO

Making remote sensing mobile for students

- ◃ **Combination of digital geo-media with problem- and action-based work during field trips**
- ◃ **Conceptual development, realization, evaluation, and dissemination of a mobile app**
- ◃ **Thematic focus on agriculture, forestry, and biodiversity (SDG 2, 15)**

Funded by:



Deutsche  
Raumfahrtagentur  
im DLR

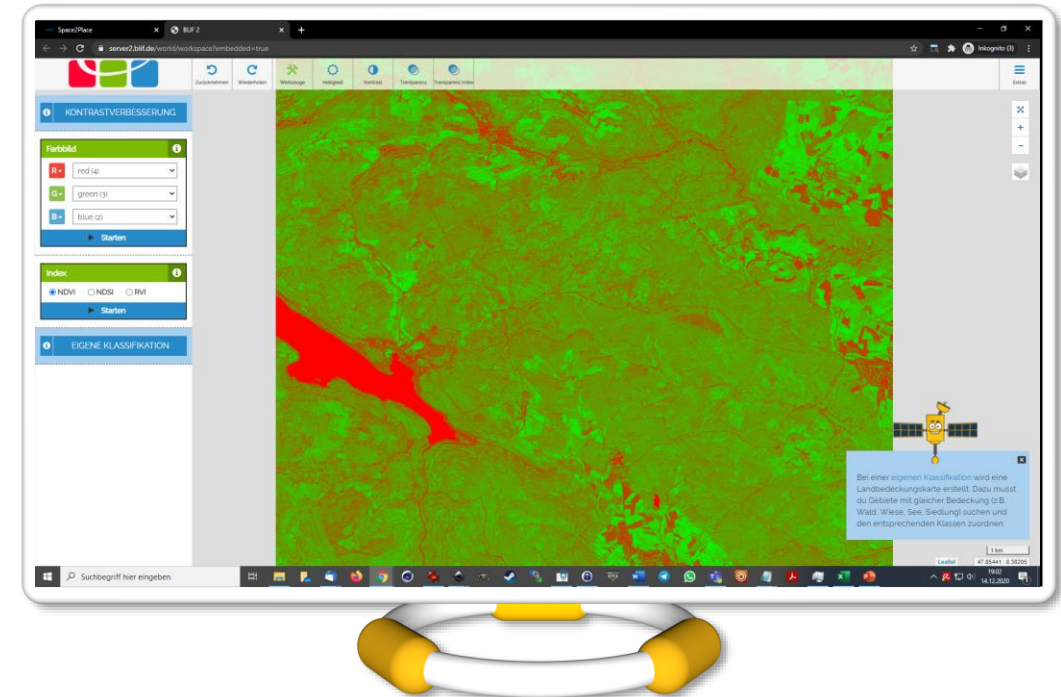
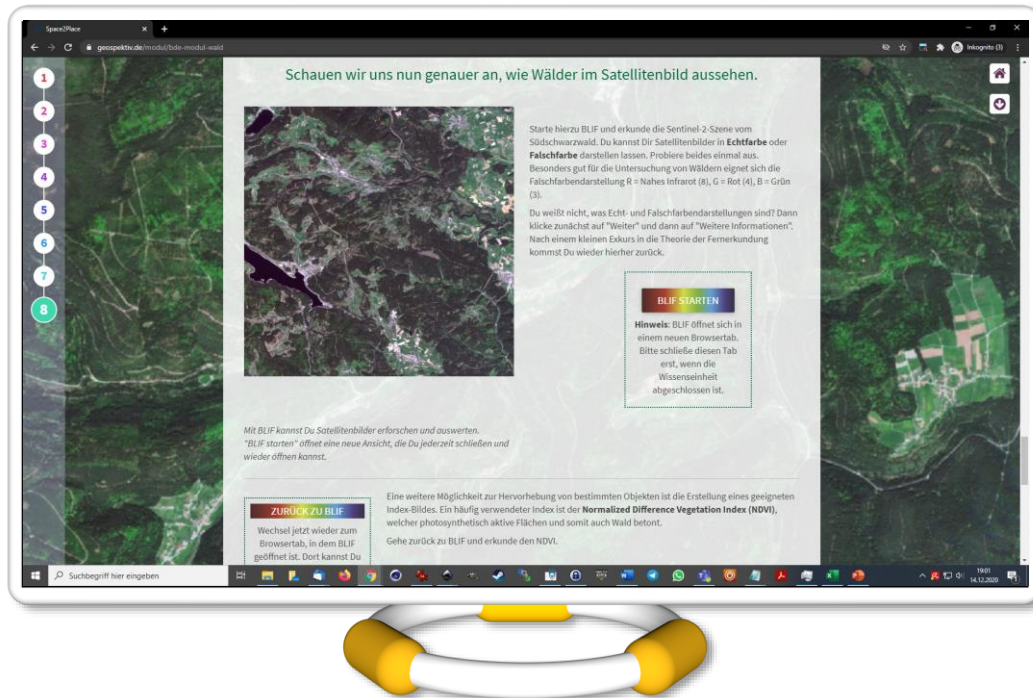


Federal Ministry  
for Economic Affairs  
and Energy



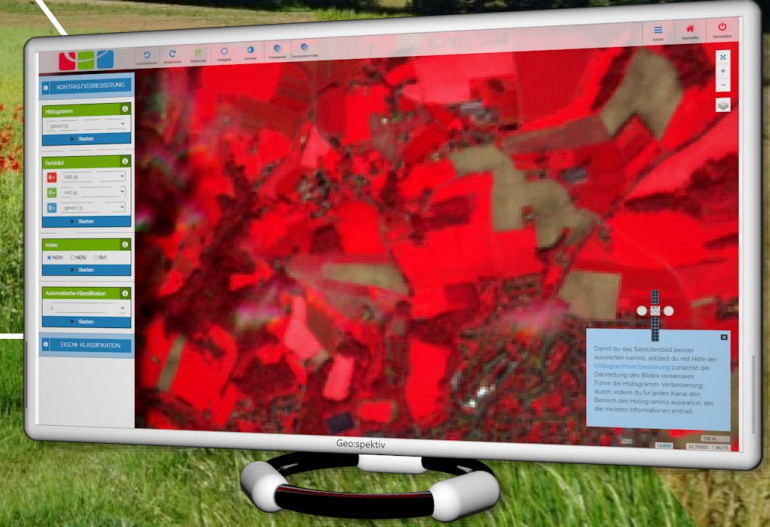
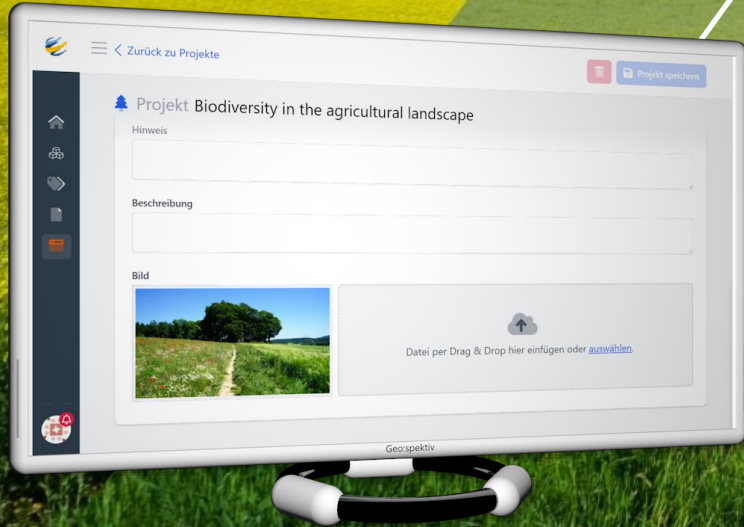
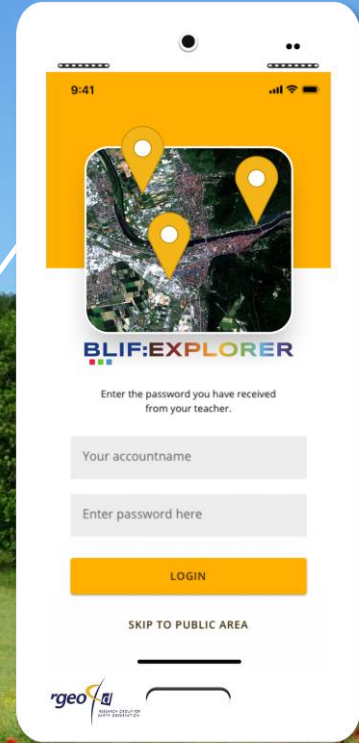
# GEO:SPEKTIV

- Current environmental und spatially relevant topics
- Adaptive
- Responsive
- Interactive quizzes



- Analysis of raw satellite data
- True & False color composite
- Spectral indices like NDVI, NDSI, RVI
- LULC-classification

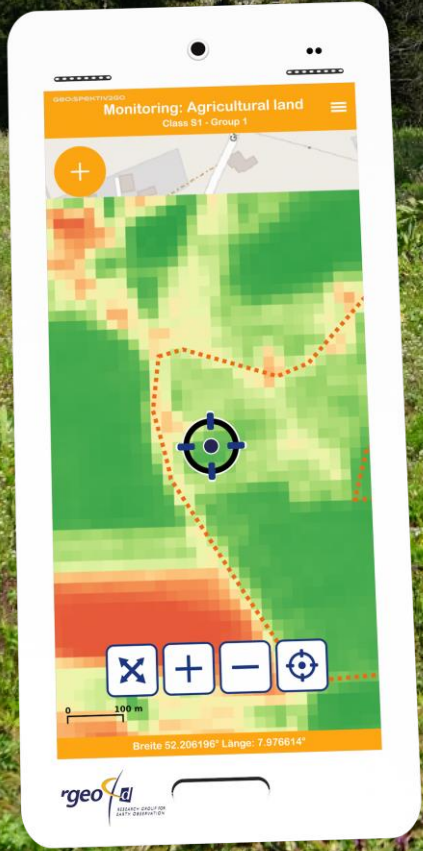
# BLIF:EXPLORER



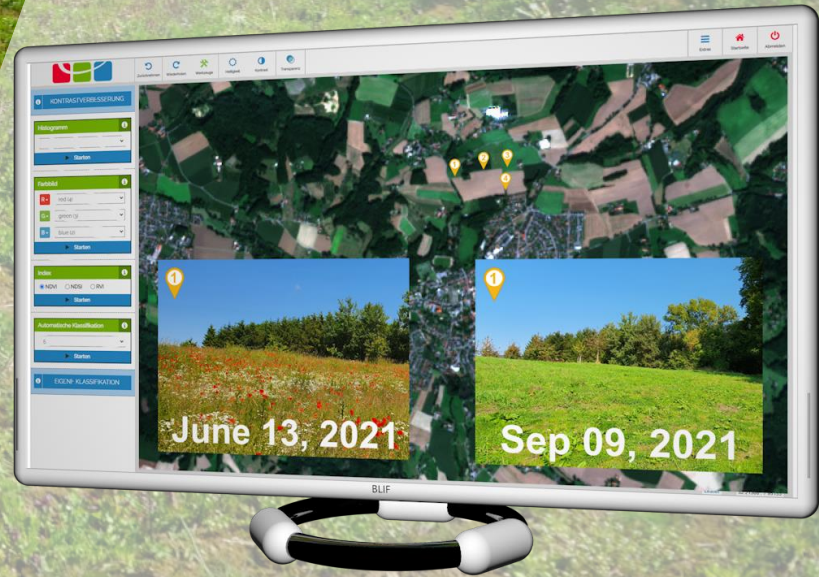


introduction

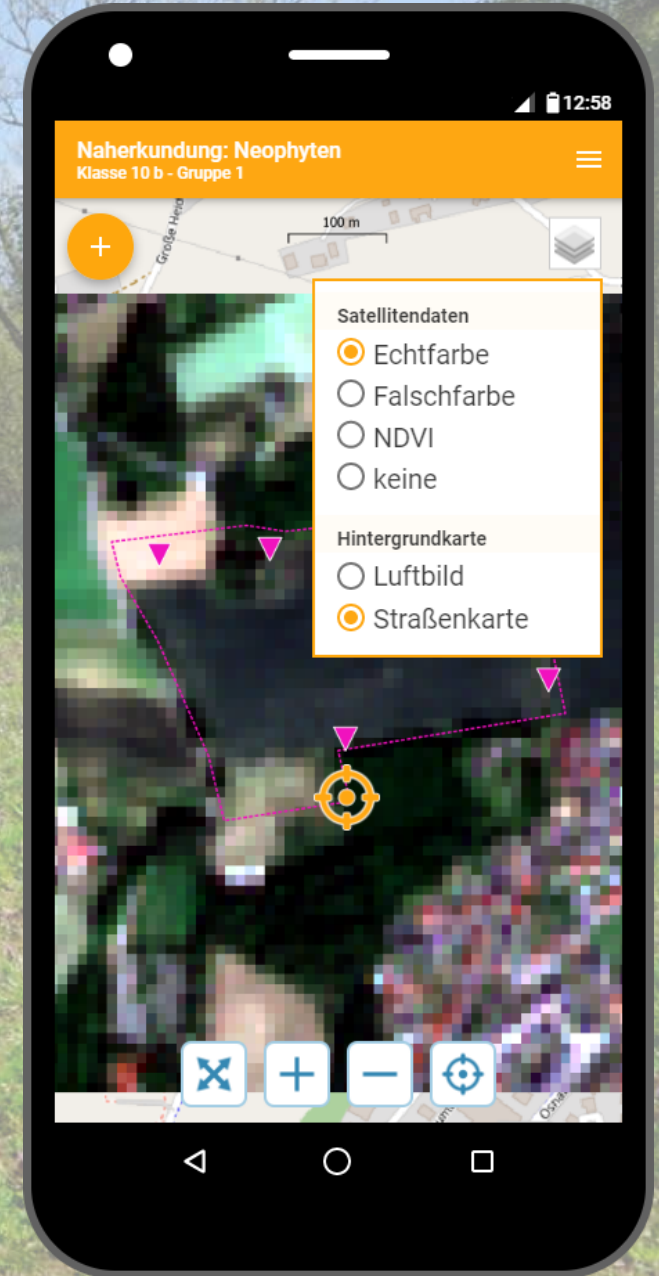
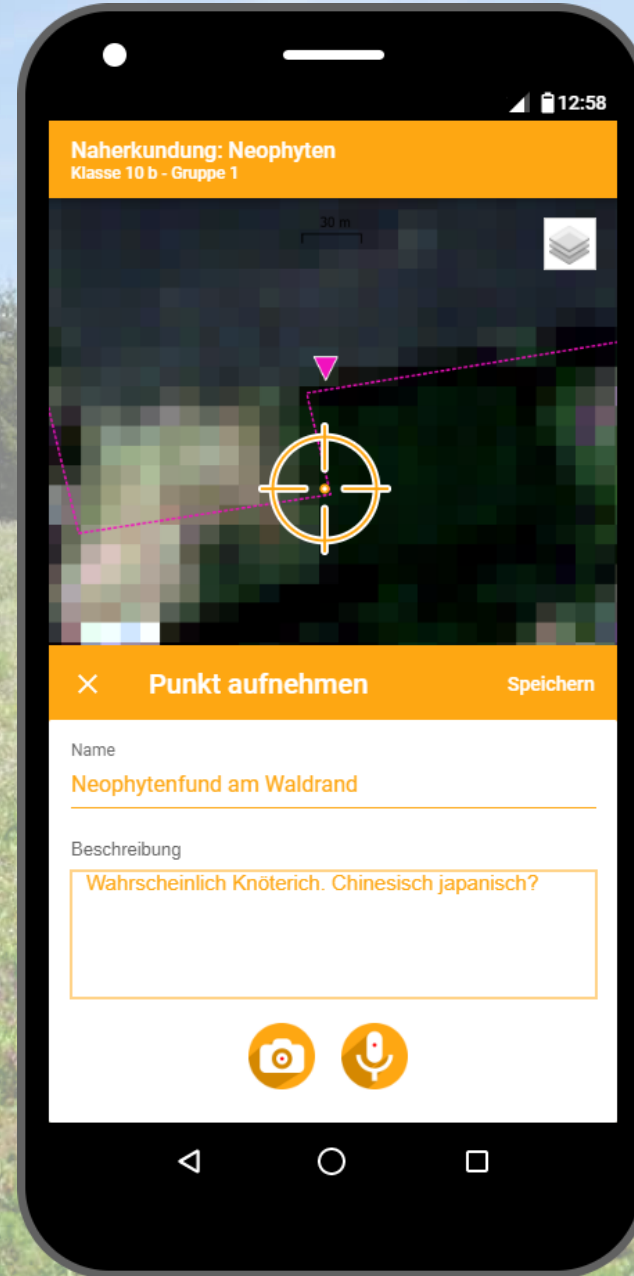
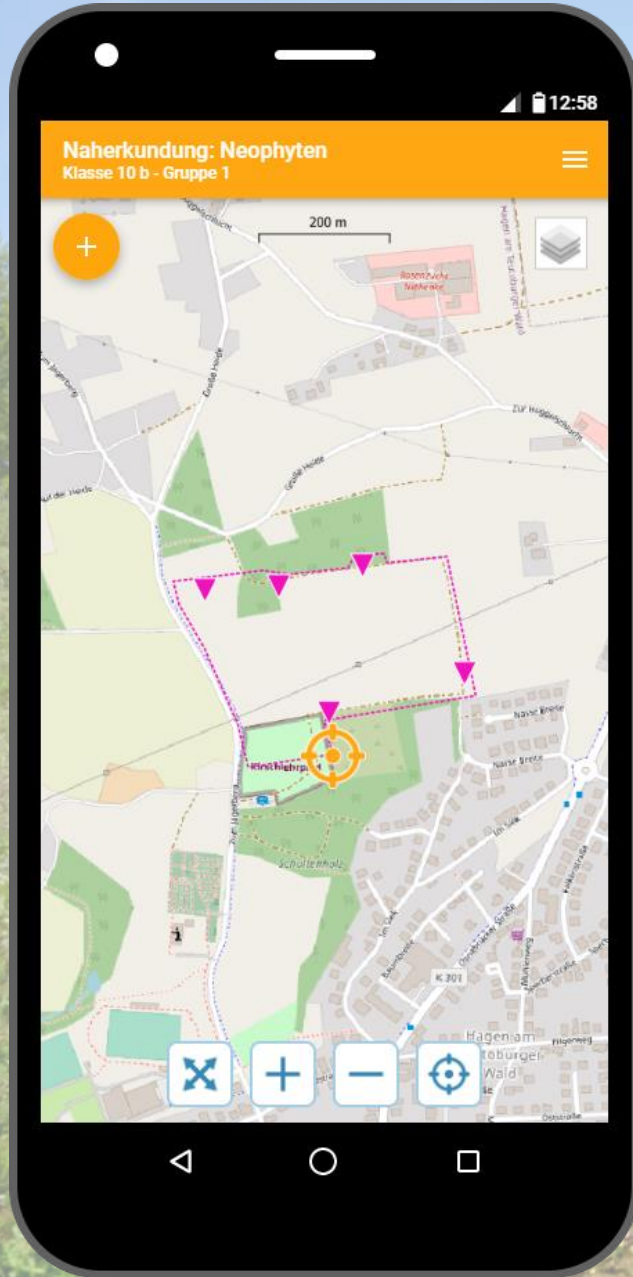
field work

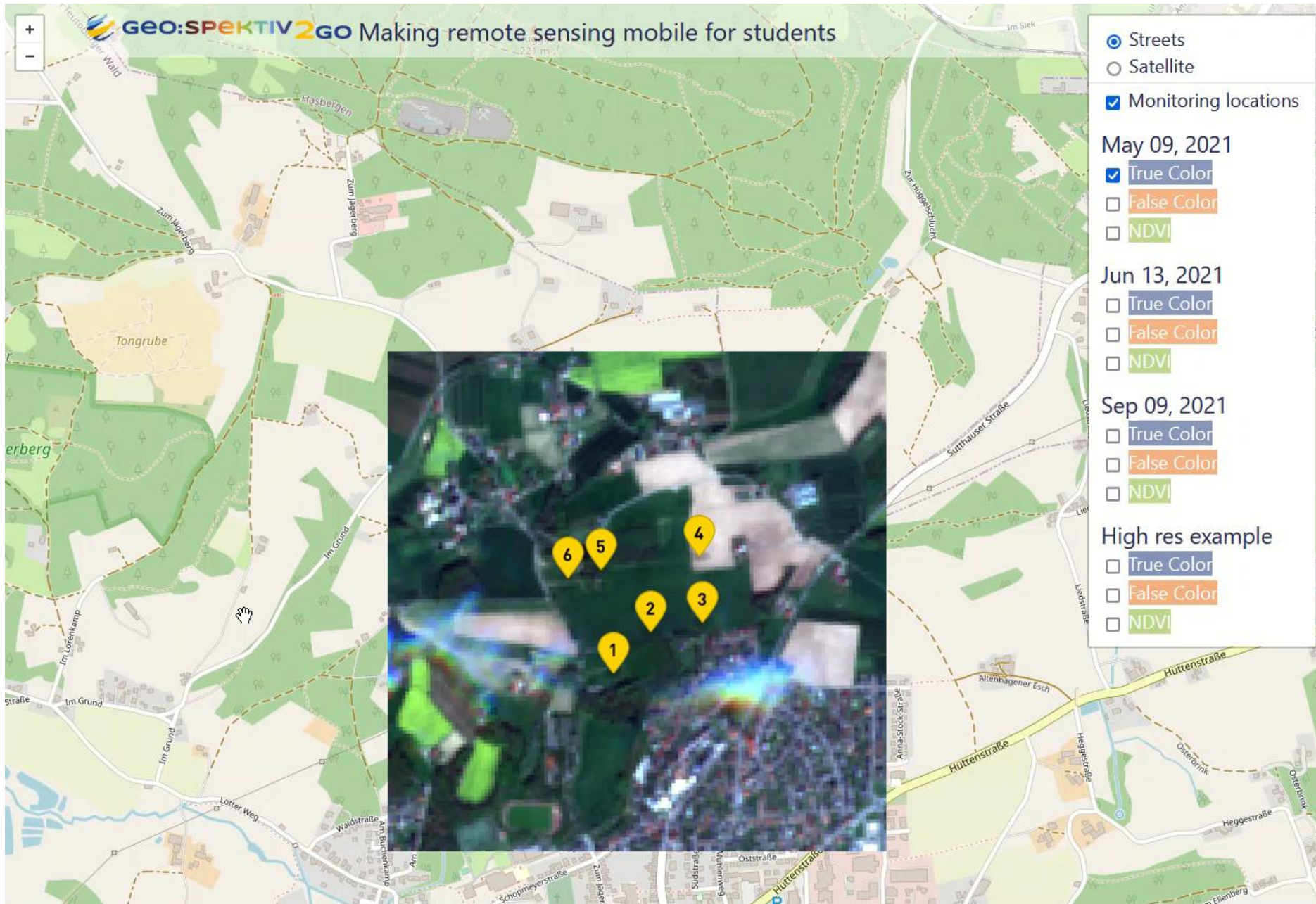


conclusion



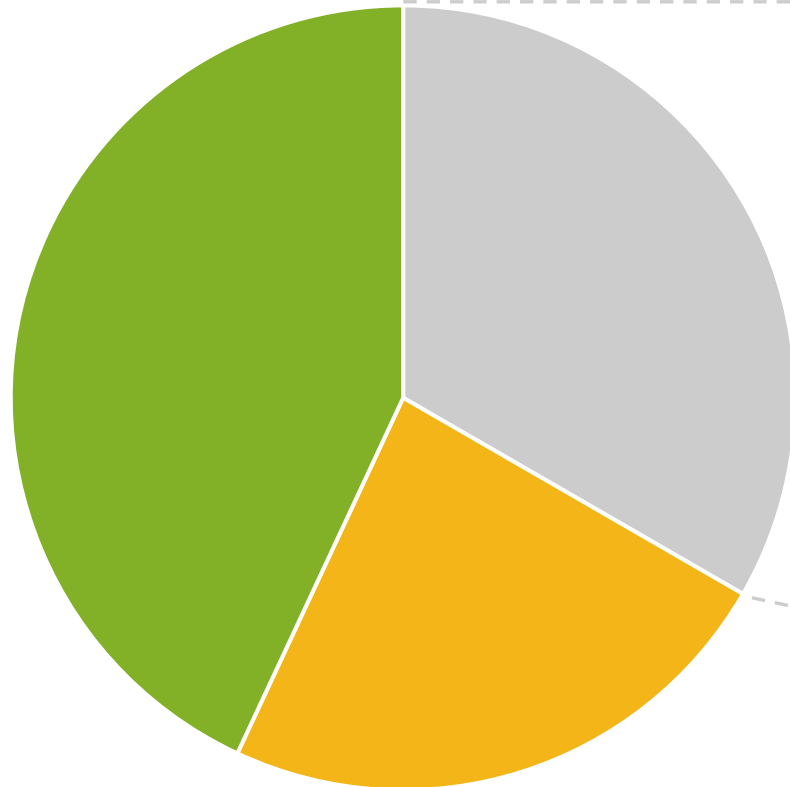






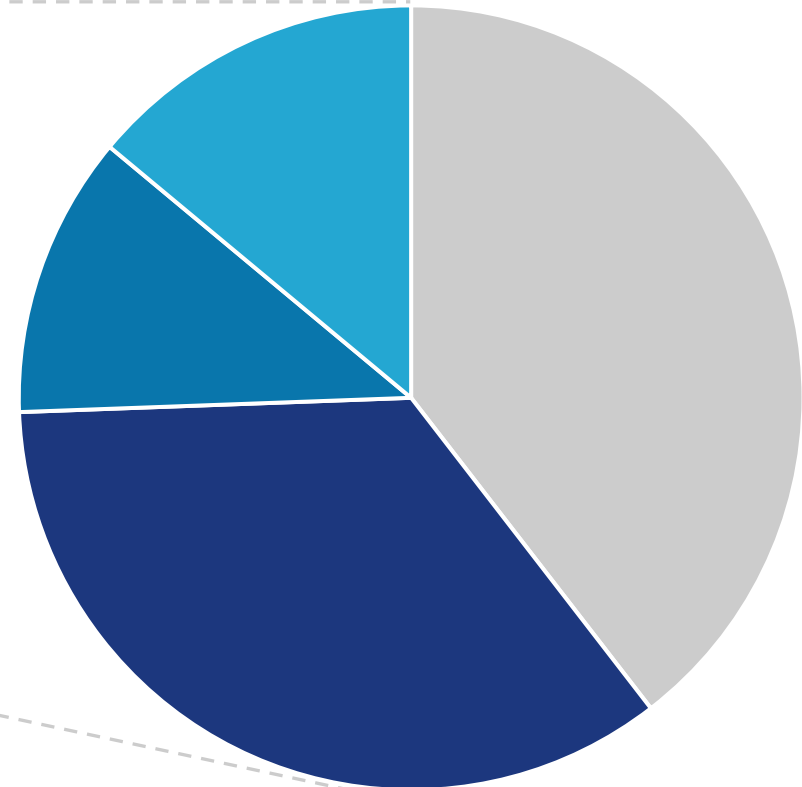
n = 75

## Data Quality



■ not useable ■ medium quality ■ high quality

## Sources of error



■ missing data ■ image quality ■ wrong coordinates ■ wrong field



**Easy to use offers for:**

- ◁ Students and teachers to learn remote sensing methods
- ◁ Increasing students interest in STEM related subjects
- ◁ further usergroups (e.g. farmers and undergraduate students)

# Thank you for your attention!

Contact: [blersch@ph-heidelberg.de](mailto:blersch@ph-heidelberg.de)

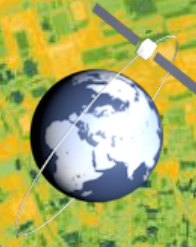


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Arbeitskreis  
Fernerkundung

