



Geo:spektiv2GO

– making remote sensing mobile for students

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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

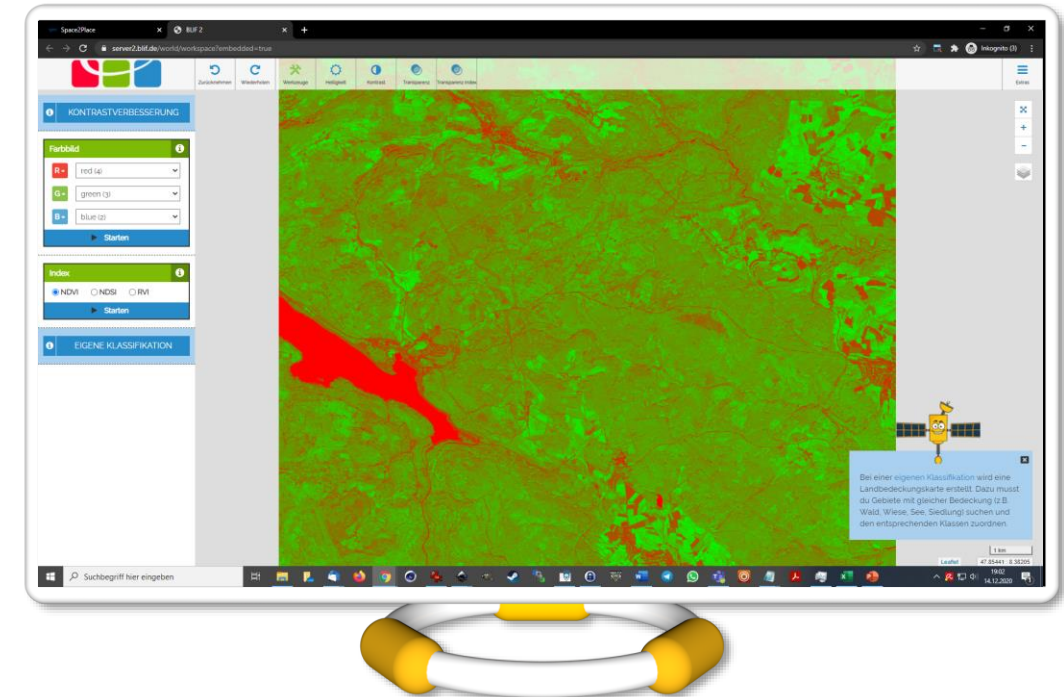
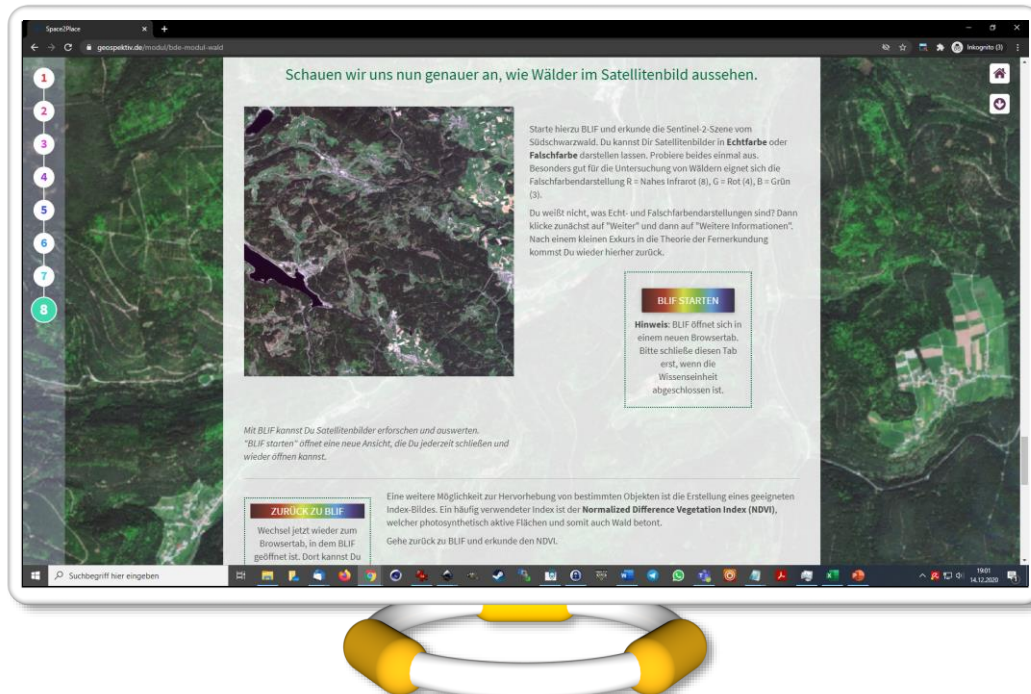


Federal Ministry
for Economic Affairs
and Energy





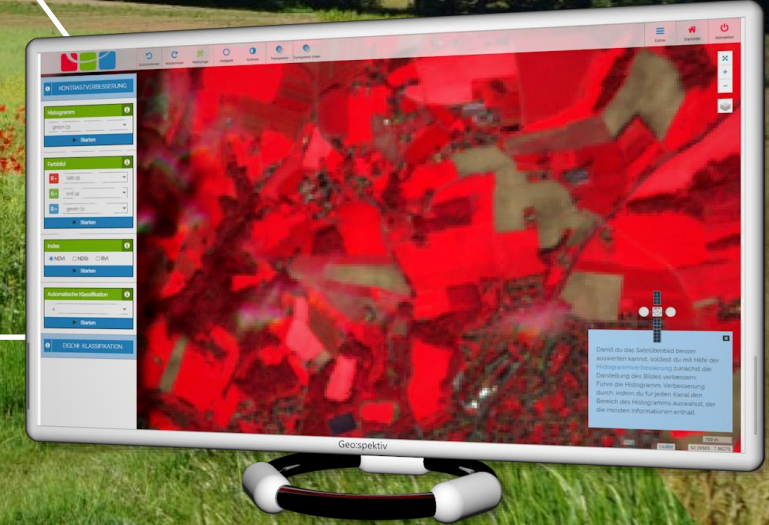
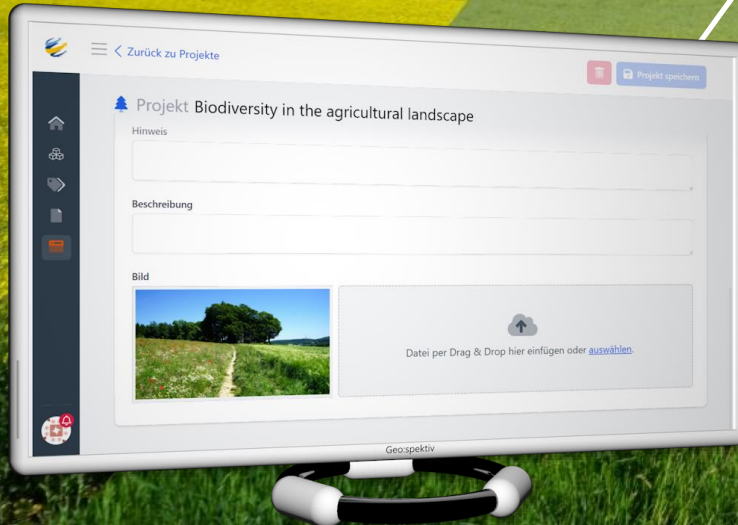
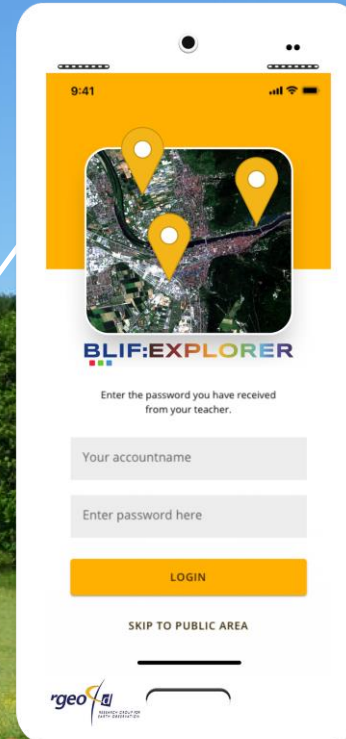
- Current environmental und spatially relevant topics
- Adaptive
- Responsive
- Interactive quizzes



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

BLIF:EXPLORER

GEO:SPEKTIV2GO

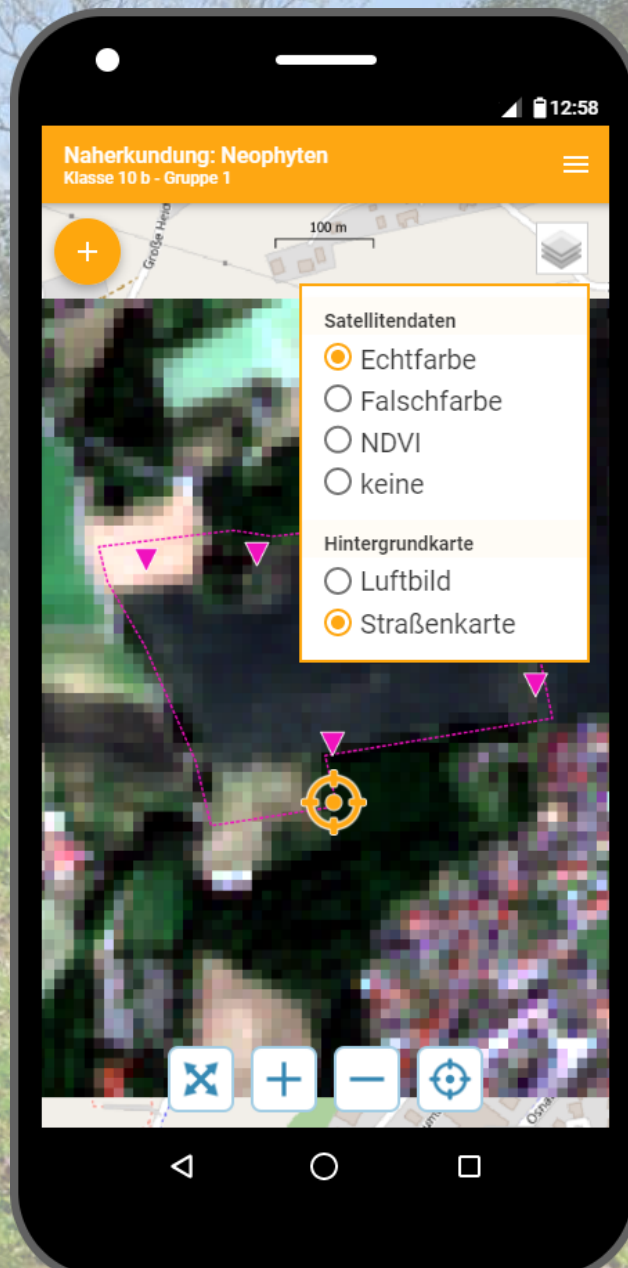
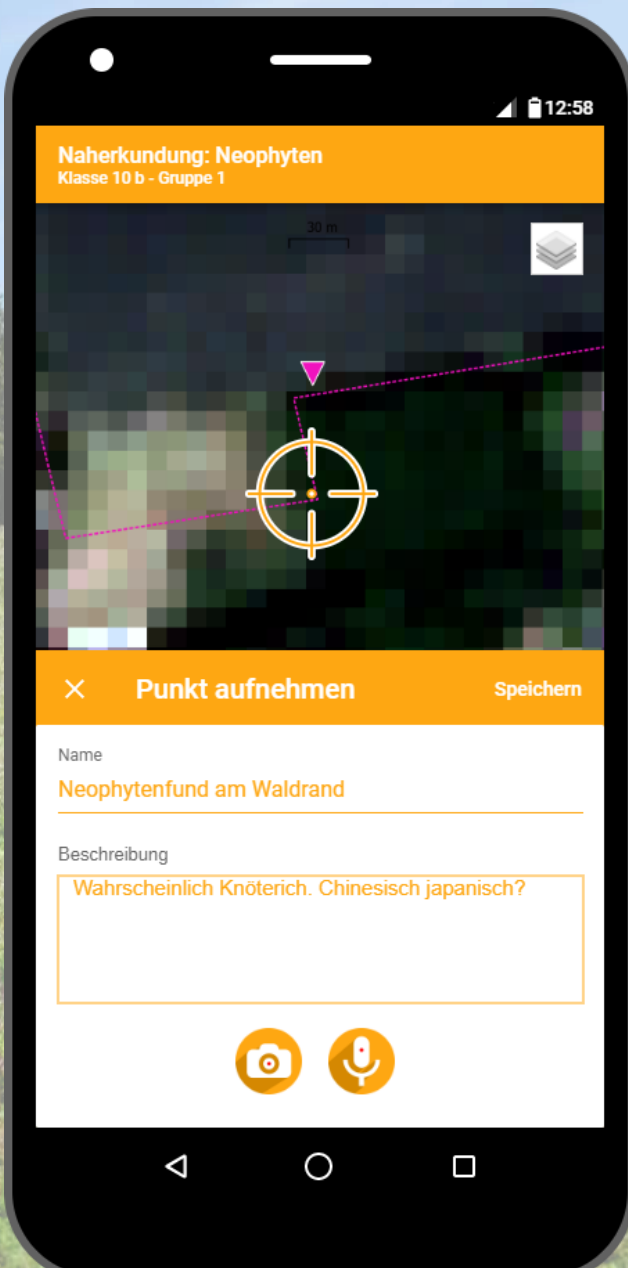
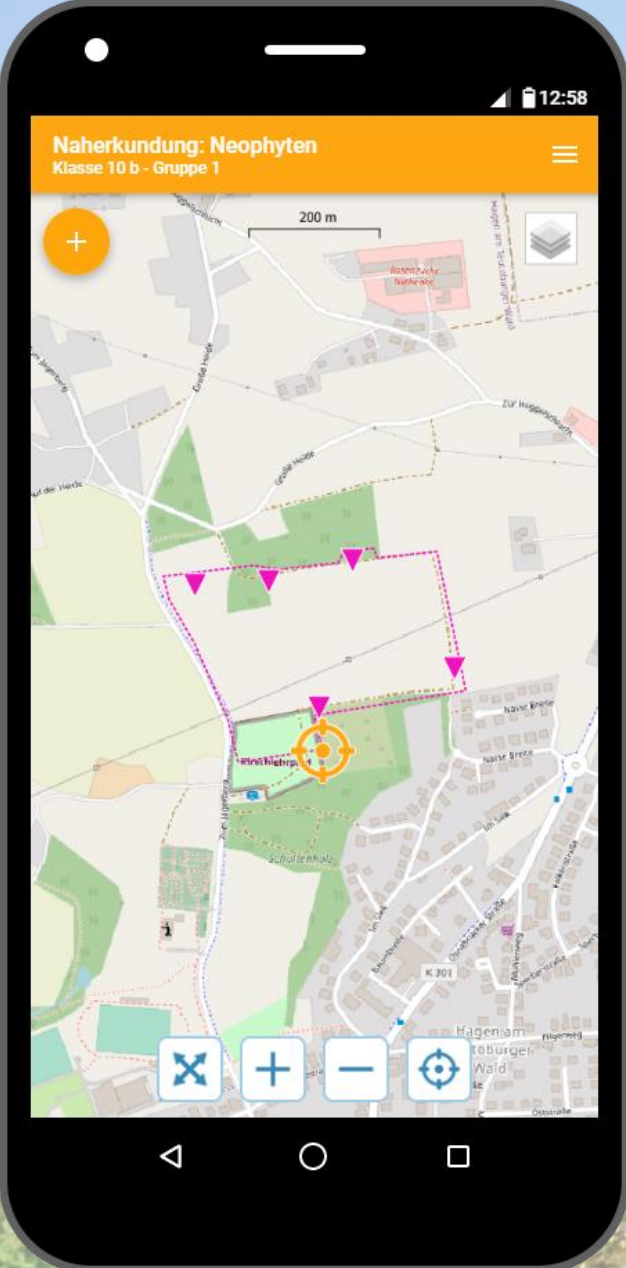


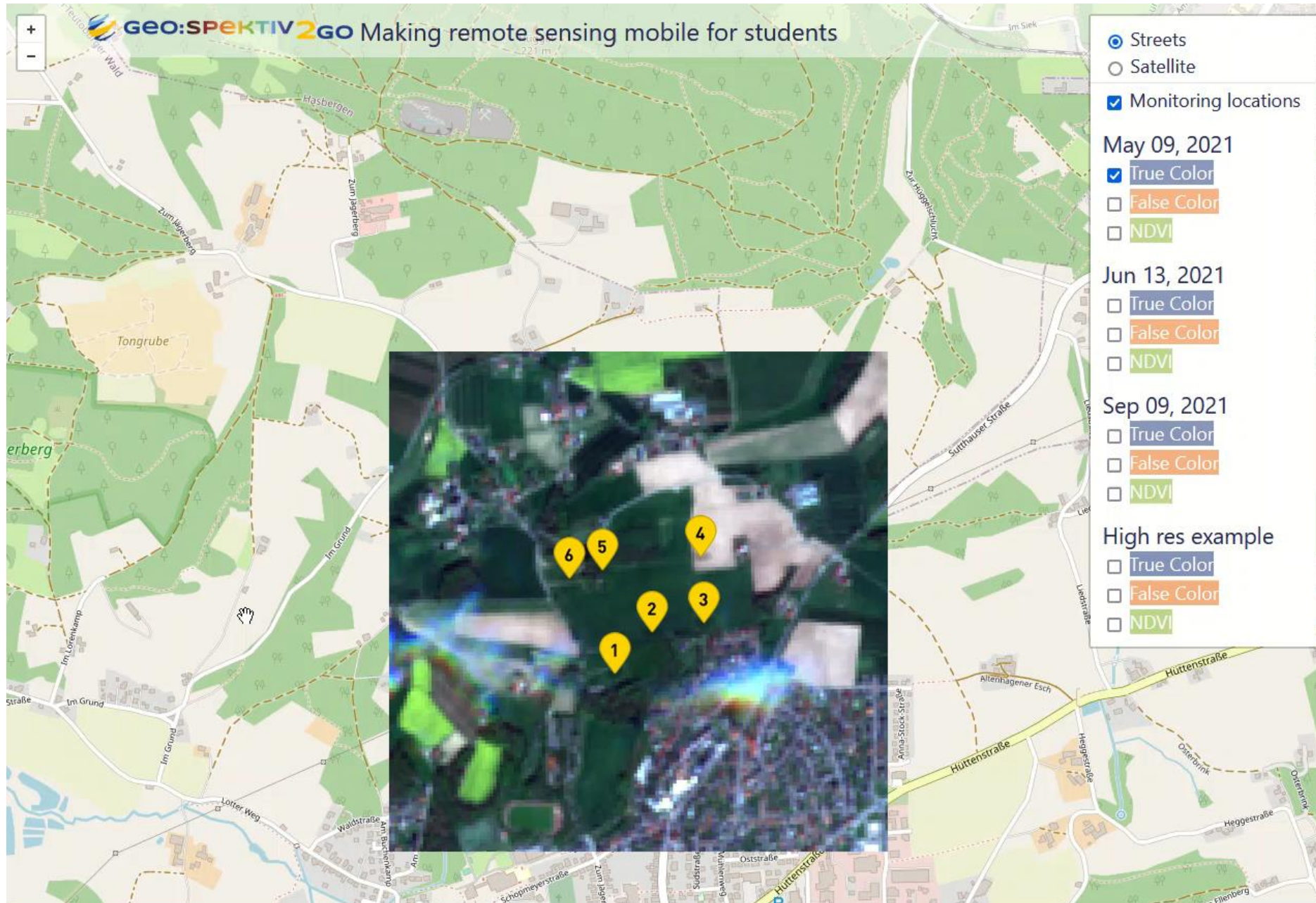
The monitor displays a presentation slide with the following content:

- Left Margin:** A vertical list of numbers 1 through 6, each inside a colored circle. The circle with the number 6 is highlighted in blue.
- Title Bar:** A dark blue bar at the top of the slide with the text "Geo:spektiv2GO" in white.
- Main Title:** "App ins Gelände!" in a large, dark font.
- Text:**

Du hast nun Satellitenbilder am PC mithilfe von BLIF ausgewertet und dabei viele Erkenntnisse darüber gewonnen, was an Strukturen und Elementen in der Landschaft vorhanden sind. Aufgrund der Auflösung ist aber nicht alles gut und eindeutig zu erkennen. Mithilfe der Geo:spektiv2GO-App kannst Du aber eine Naherkundung durchführen, indem Du an bestimmten Standorten Fotos machst.
- Illustration:** A cartoon illustration of a woman with blonde hair, wearing a yellow shirt and blue overalls, holding a smartphone that displays a satellite image.
- Image:** A false-color satellite image of a landscape, showing various shades of red, green, and blue. Below it is the caption "FalschFarbenansicht".
- Bottom Text:**

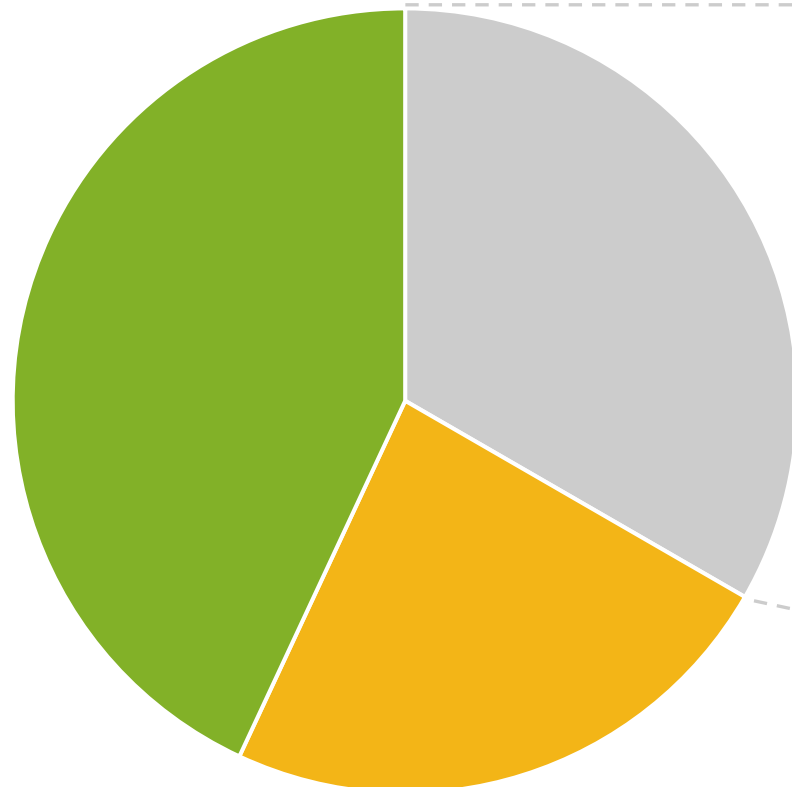
Tipp: Du kannst die App jetzt schon einmal installieren, Du findest sie in den App-Vertriebsstores unter dem Namen Geo:spektiv2GO. Die Funktionen erkläre ich dir nun Schritt für Schritt.
- Footer:** The text "Geo:spektiv" is centered at the bottom of the slide.





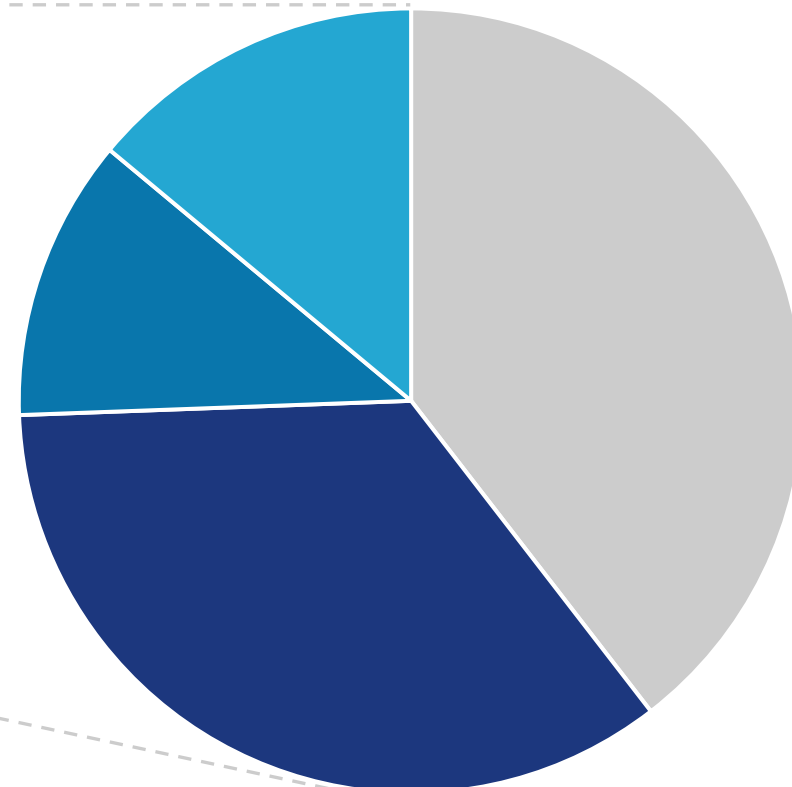
n = 75

Data Quality

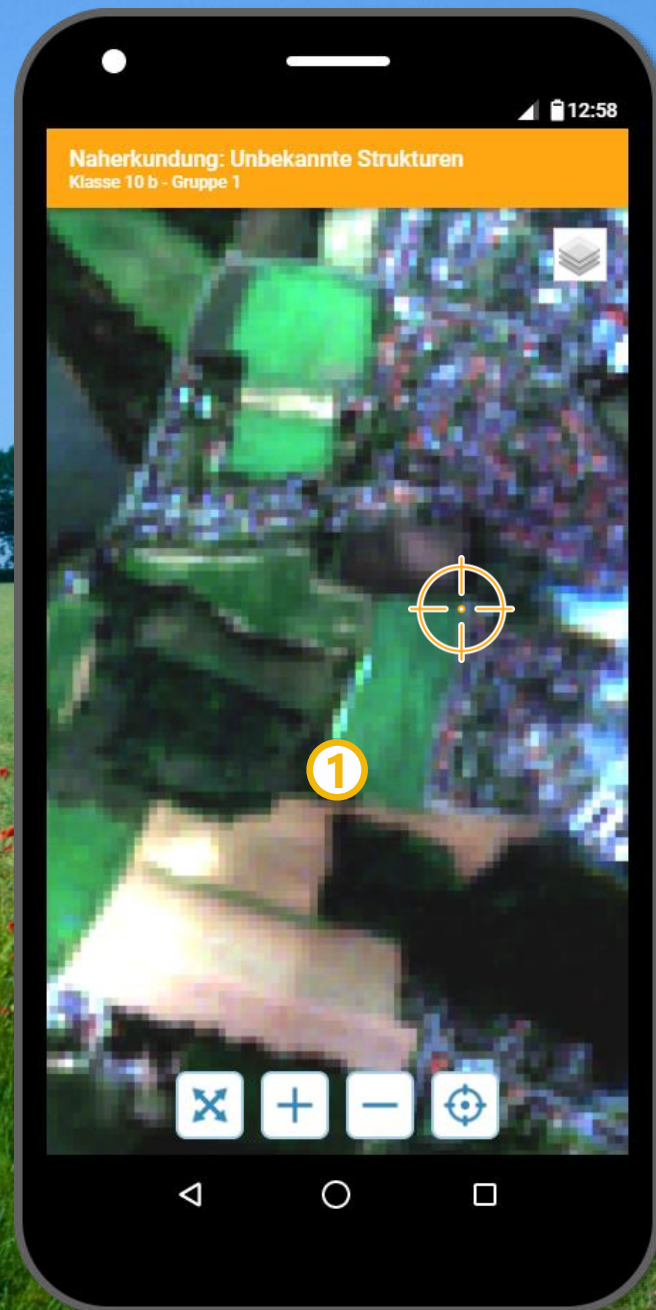


■ not useable ■ medium quality ■ high quality

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!

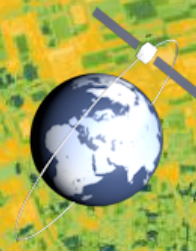
Contact: blersch@ph-heidelberg.de



Project Presentation 8 th. October 2021 – #GeoWoche 2021 – AK Fernerkundung

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Arbeitskreis
Fernerkundung

