

Enhancing Digital Geomedia Capabilities for UNESCO-designated sites

A Comprehensive Needs Assessment and Evaluation of Pilot Training Courses

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www.rgeo.de

Overview of the Institute

- Institute of Geography & Geocommunication –
 Research Group for Earth Observation (rgeo) at the
 Heidelberg University of Education
- **UNESCO Chair** on Observation and Education of World Heritage and Biosphere Reserve
- Fields of Focus:
 - Using modern geo-information technology
 - and geo-ecological field- and laboratory methods to
 - analyse, communicate and sustainably develop UNESCO sites.





GIS-Station – Centre of Excellence for Digital Geo-media



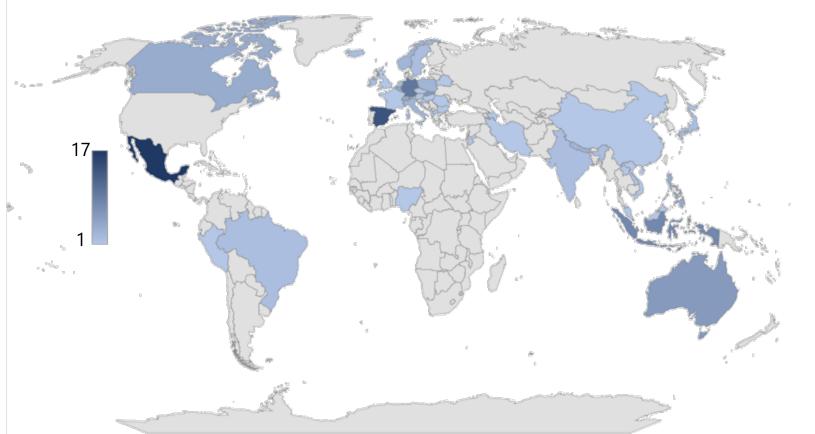


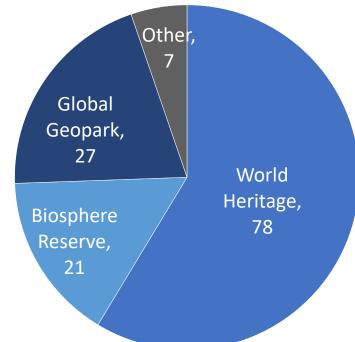


Number of respondents

a) per country

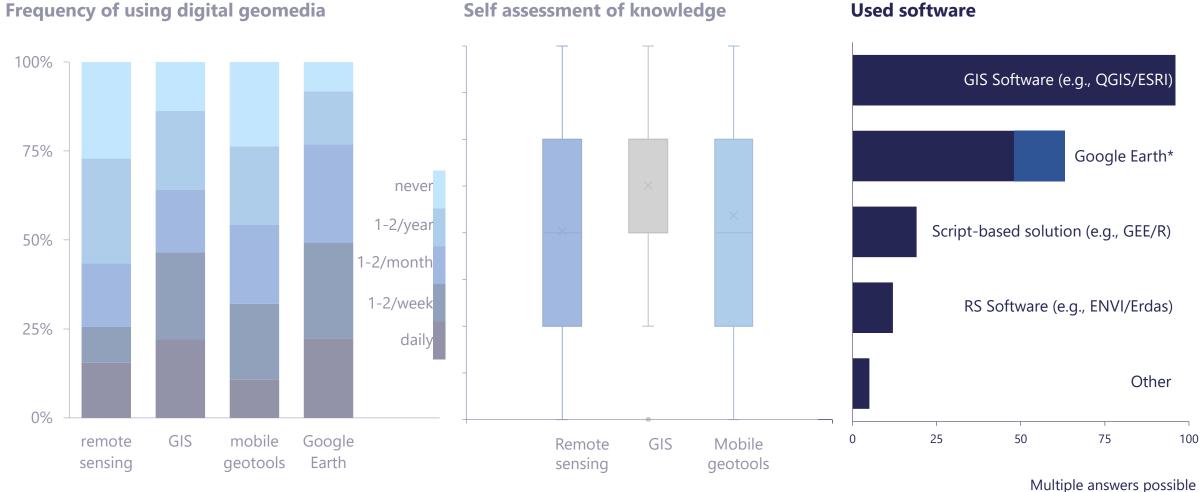
b) per type of UNESCO site





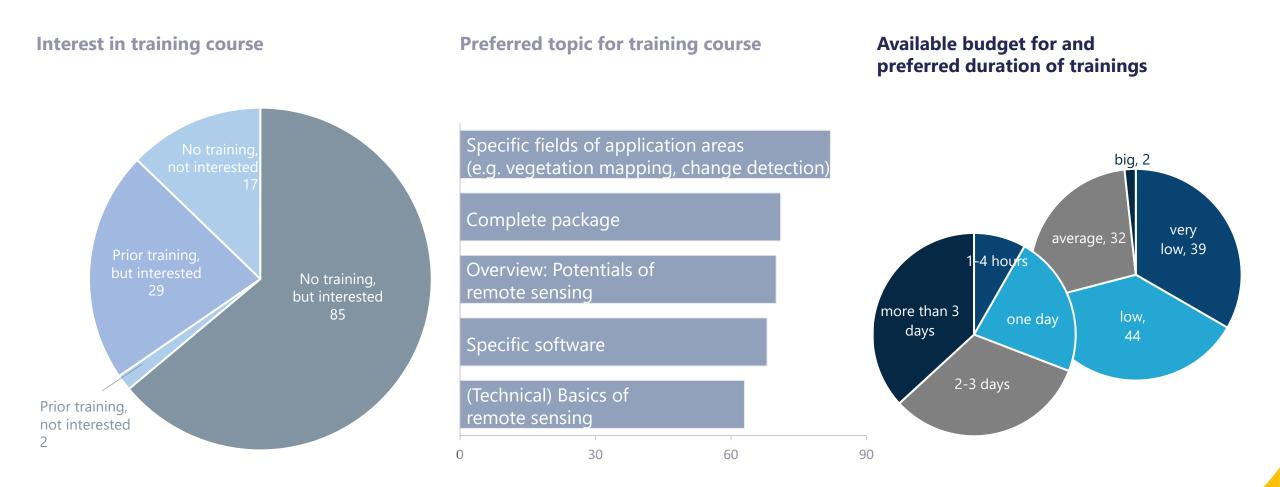






*15 rely solely on Google Earth for their purposes







Pilot Courses

Partner Organisations and Involved Parties

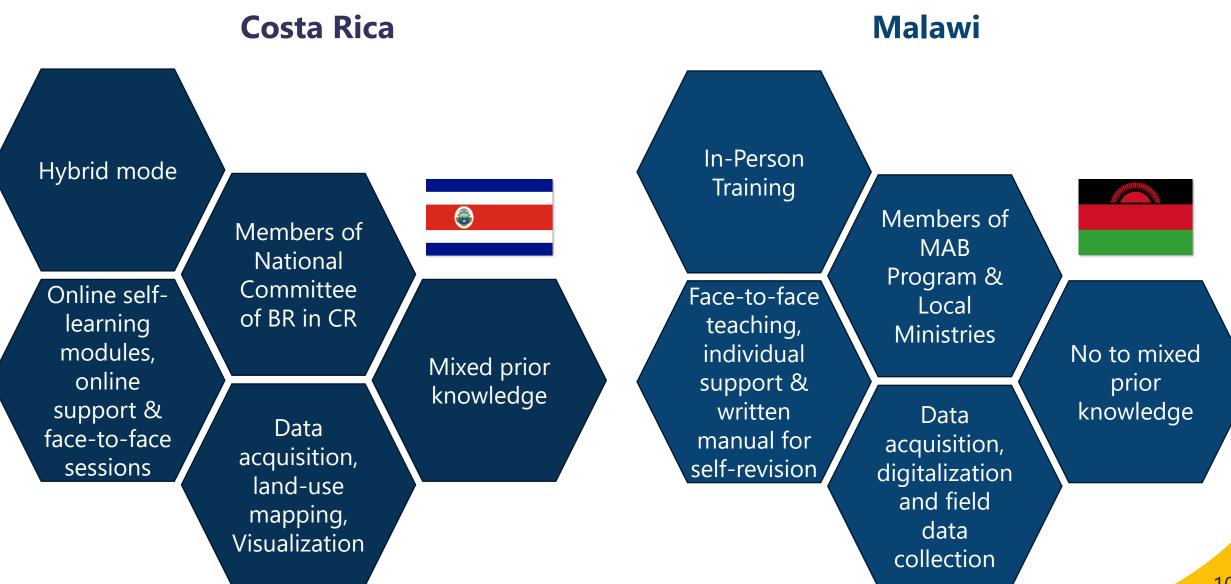




Geodaten: naturalearthdata.com

Course Implementation per Country



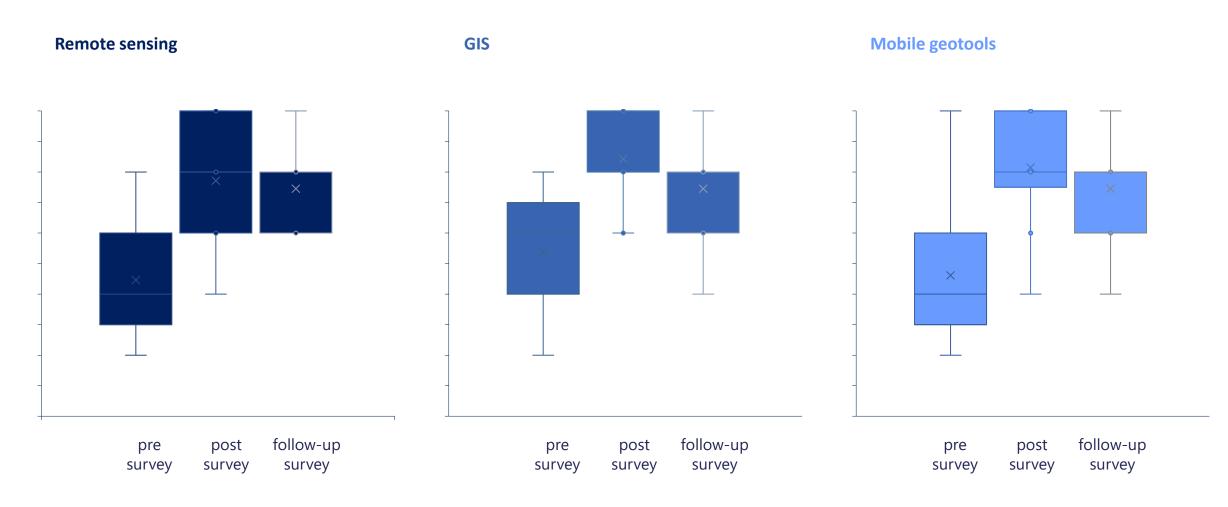




Course Evaluation

Learning Progress





Pre-Survey, n = 13; Post-Survey, n = 14; Follow Up-Survey, n = 11, conducted in CR & MW

Overall Course Evaluation



Moderately successful, Little taken away

"The training was well organized and presented. However, the time for the training was little as the course is of high significant and too technical (...)" (MW_Post_1) "The platform is excellent and the contents are clear and easy to understand. The videos are of an ideal length." (CR_Post_1; translated from Spanish) "Better understanding of Costa Rica's Biosphere Reserves and mastery of a basic tool for their management." (CR_FU_2; translated from Spanish) "Now i have basic knowledge of gis and how its used in data collection" (MW_FU_4)



Extension of the Course

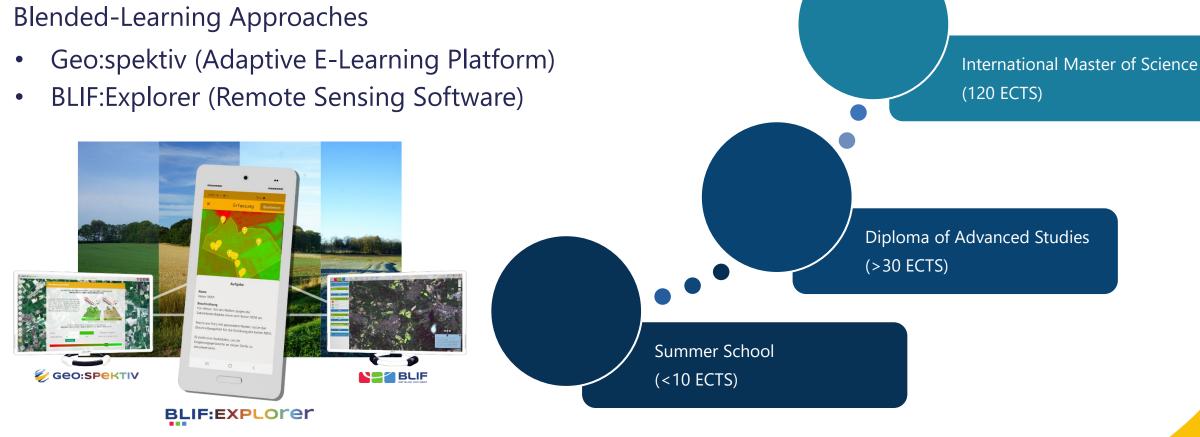
- CLengthen the course
- C More room for practical exercises & data collection
- CAdditional tasks for more advanced participants
- Subsequent advanced courses or courses at a different level
- **C** Expand invitations/manual to others
 - (e.g. Physical Planning Officers, Land resources officers, Housing officers)

Organization & Management

- More intensive face-to-face sessions (hybrid-course)
- Only online-sessions (hybrid-course)
- Coutside normal working environment to reduce distraction (offline-course)
- CAvailability of high-speed internet and/or data preparation via USB stick to save time (offline-course)
- < Clearer requirements for participants regarding technical equipment

Outlook

- UNESCO-designated site stakeholders and those who want to become or work with the sites



Pädagogische Hochschule HEIDELBERG

unesco



EO for Cultural and Natural Heritage, Frascati, Italy 15.-16.10.2024

Thank you!

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