

ESRI summer camps in Germany, Ruanda and Switzerland

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An aerial photograph of a mountain valley. The foreground and middle ground are filled with lush green fields and dense forests. In the background, a range of dark, rugged mountains stretches across the horizon under a sky with scattered clouds. A large white circle is overlaid on the left side of the image, containing the text '+ The idea ...'.

+ The idea ...



The motivation:

- + Combining
 - > spatial learning
 - > with modern technology
 - > in an outdoor environment
- + Cooperation with national parks using geo-technologies for environmental education





The plan:

- + Collecting, analyzing and visualizing environmental data
- + Using GIS, GPS and mobile computers
- + ArcGIS Desktop and ArcPad
- + “Observe, Comprehend, Apply”





The result:

- + Raising awareness
 - > think spatially
 - > decision making
- + Use of GIS and GPS in environmental education is highly motivating
- + Introduce decision making tools
- + Working on real-life questions with technology in students' hands
- + Build confidence to ask the right questions
- + Give students space to explore freely





+ **How it all started ...**



ESRI Sommercamp 2006

-Bayerischer Wald







School competition

- + Topics:
 - > 2008: sustainability
 - > 2009: water
 - > 2010: energy
- + Prize:
 - > Travel and expenses for week long summer camp
 - > Up to 20 students with teachers
- + Not a GIS competition



Program

Monday	Tuesday	Wednesday	Thursday	Friday
Getting to know National Park Getting to know technology (Geocaching, Geopainting)	Field work with ArcPad	Field work Analysis in the computer lab (ArcGIS Desktop)	Analysis in the computer lab Preparing the presentation	Presentation



+ **Some
examples ...**



Wadden Sea National Park – Analyzing Salt Marsh Vegetation



Bilder und Projekte der letzten Jahre

Weiterentwicklung im Nationalpark Ostwattland: Entwicklung von Wasserwegen und Wasserwerken



Berchtesgaden National Park – Animal Tracking



Einige Bilder und Projekte von 2009

ESRI



Swiss National Park

ESRI Sommercamp 2009 im Schweizerischen Nationalpark

Die Murmeli im Nationalpark

Verteilung der Murmeliere 11:00 bis 16:00 Uhr

Legende:

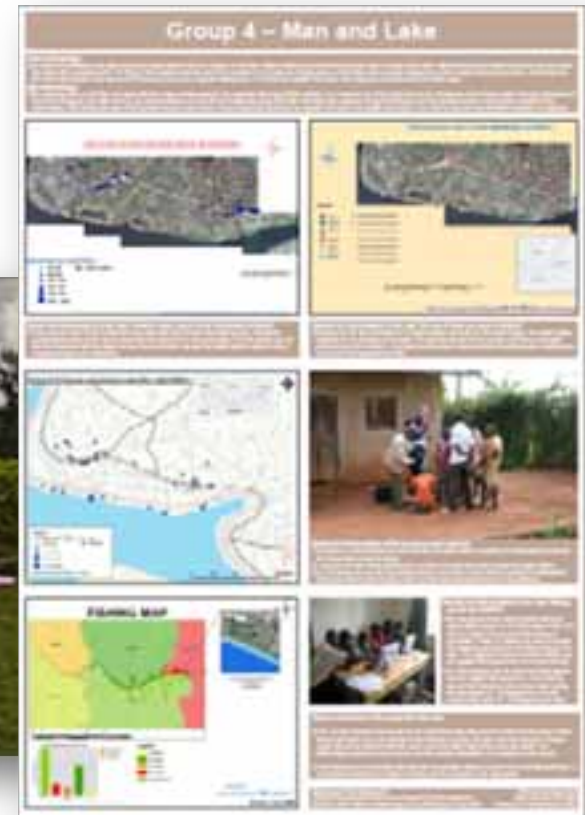
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- 200000 - 400000
- 400000 - 600000
- 600000 - 800000
- 800000 - 1000000
- 1000000 - 1200000
- 1200000 - 1400000
- 1400000 - 1600000
- 1600000 - 1800000
- 1800000 - 2000000

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Rwanda – Land Use around Lake Muhazi





Want to know more?

- + <http://esri.de/schule/camps.html>
- + In German
- + Maps and Results
- + <http://www.arcgis.com>
- + ArcGIS Explorer presentation
- + Search for „summercamps“



Questions?

Thank you for listening.

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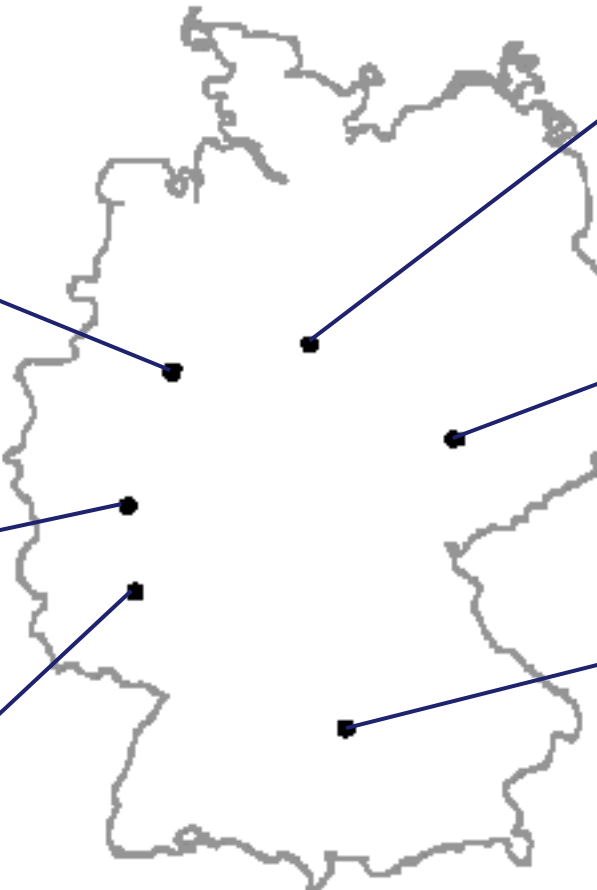
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