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Global Learning - Pedagogical Concepts involving Virtual Globes

Michaela Lindner-Fally, Josef Strobl
Centre for Geoinformatics
Salzburg University, Austria

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Contents:

Learning Geography:

- **Current Situation**
- **Virtual Globes**
 - New Methods, new Skills
- **Active Learning**
 - Web 2.0



Learning Geography

- **Globes**
- **Maps, Atlases**
- **Since 1990s: electronic Mapping, online Mapping**



Virtual Globes

- **New pedagogical concepts**
- **Specific characteristics of learning:**
 - Navigate the globe in its entirety
 - Manage scale
 - Layers and themes
 - Establish points of interest
 - Measure geometry





Active Learning

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- **Collect geospatial measurements**
- **„geotag“ one's own observations**
- **Define placemarks and attach information**
- **Create a logbook**
- **Design annotated fly-throughs**
- **Design thematic maps**

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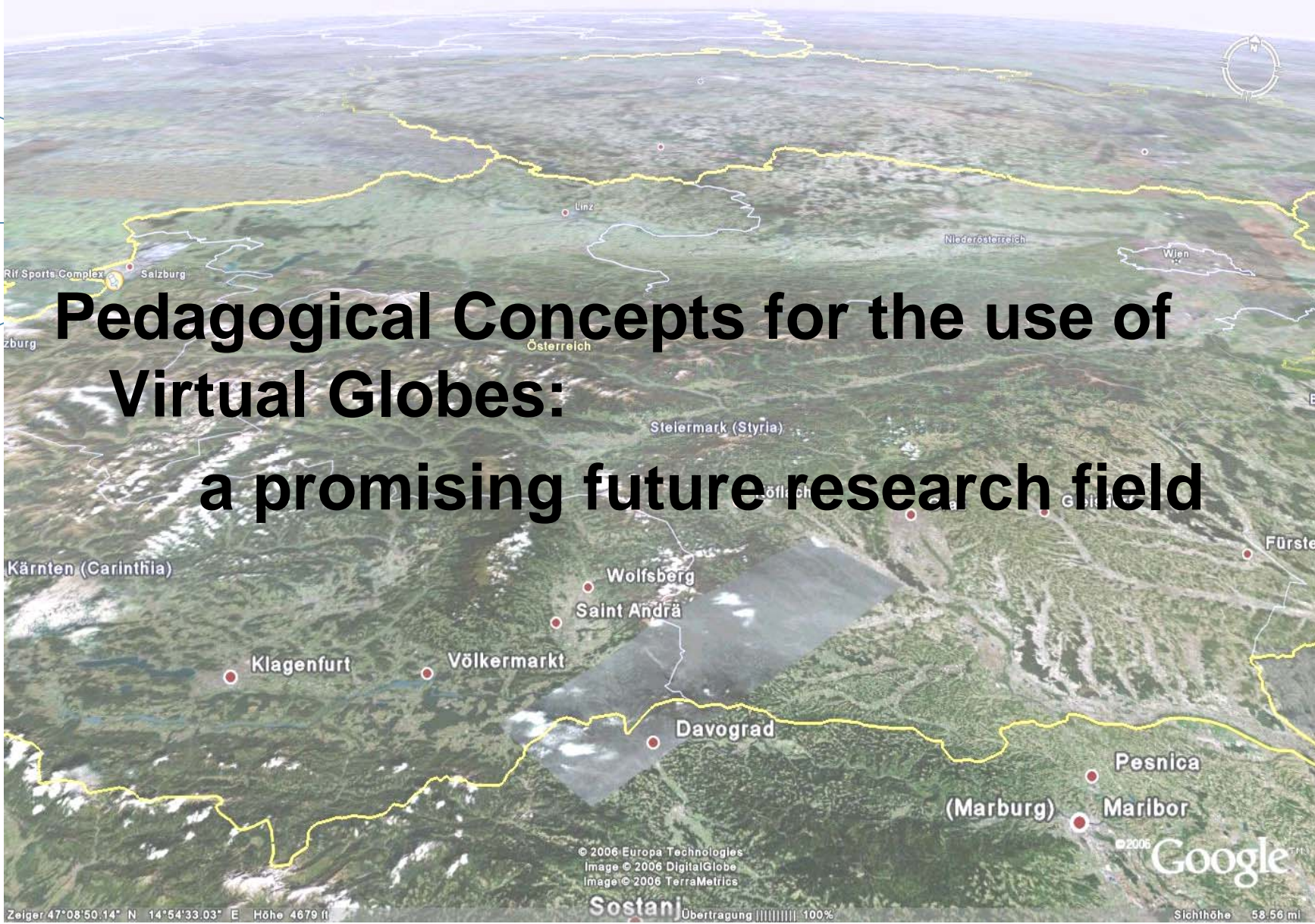
Virtual Globes and Web 2.0

- **New paradigm of collective knowledge construction**

Teachers become moderators

Virtual Globes as media platforms = GeoWeb 2.0

? Impact on our society's perception of local and global phenomena



Pedagogical Concepts for the use of Virtual Globes: a promising future research field