ViViTo

an interactive information tool for mountainous protected areas

Alexander Thimm, Swiss National Park
Topics

- ALPENCOM project and ViViTo application
- User Interfaces of ViViTo
  - joystick
  - touch screen
ALP ENviromental COMmunication

- Interreg III B - Alpine Space
Project Partner

- France
- Italy
- Slovenia
- Austria
- Germany
Associate Partner

• further protected areas involved

• technical partner
Objective of ALPENCOM Project

• “A global Information and Communication Exchange System for sustainable management of natural resources and public relation for Alpine networks of protected areas.”

Communication between protected areas
• knowledge exchange about sustainable management of PA

Communication to the publics
• information tool for visitor centres

Virtual Visit Tool – ViViTo
Idea of ViViTo

Information

- Natural and cultural richness of the alpine region
- Singularity & commonalities of the alpine protected areas
- Environmental issues, nature conservation

Emotions / Fun

- flying over the Alps
- like a game (joystick)
- exploring interesting places
ViViTo – Hardware

- Video Projektor
- Screen
- Touchscreen
- Joystick
- Computer
ViViTo – Virtual Visit Tool

Swiss National Park
User Interface Design

• The visitors (users) are very heterogeneous
  - age
  - computer experiences
  - characters

All of them should be able to use the application within a few minutes!

The user interfaces should be attractive for most users!
Demonstration touch screen menu

Touch screen: welcome page

3D-scene: overview Alps
Demonstration touch screen menu

Touch screen: selected protected area in the Western Alps

3D-scene: Les Ecrins
Demonstration touch screen menu

Touch screen: selection of a POI of Ecrins, category Nature Conservation

3D-scene: activated POI
Demonstration touch screen menu

Touch screen: selection of a POI in the Central Alps

3D-scene: activated POI
Demonstration touch screen menu

Touch screen: selection of a POI in the Eastern Alps, category Landscapes

3D-scene: activated POI
Demonstration touch screen menu

Touch screen: selection of an Alpine POI, category Cultural Heritage

3D-scene: activated POI
Thank you for your attention

Alexander Thimm

Parc Naziunal Svizzer

Thanks
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