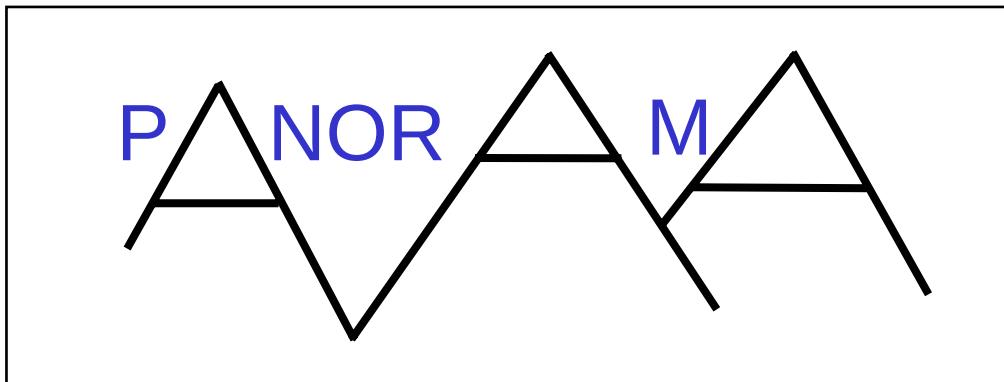
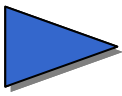


Personalised ApplicationS based On ReliAble Positioning, Communication and GIS Management Systems in Alpine Regions





1. Core Technologies & Problems in Alpine Regions:

- a) Positioning / Navigation
- b) Communication
- c) GIS



2. PANORAMA Approach

3. Applications

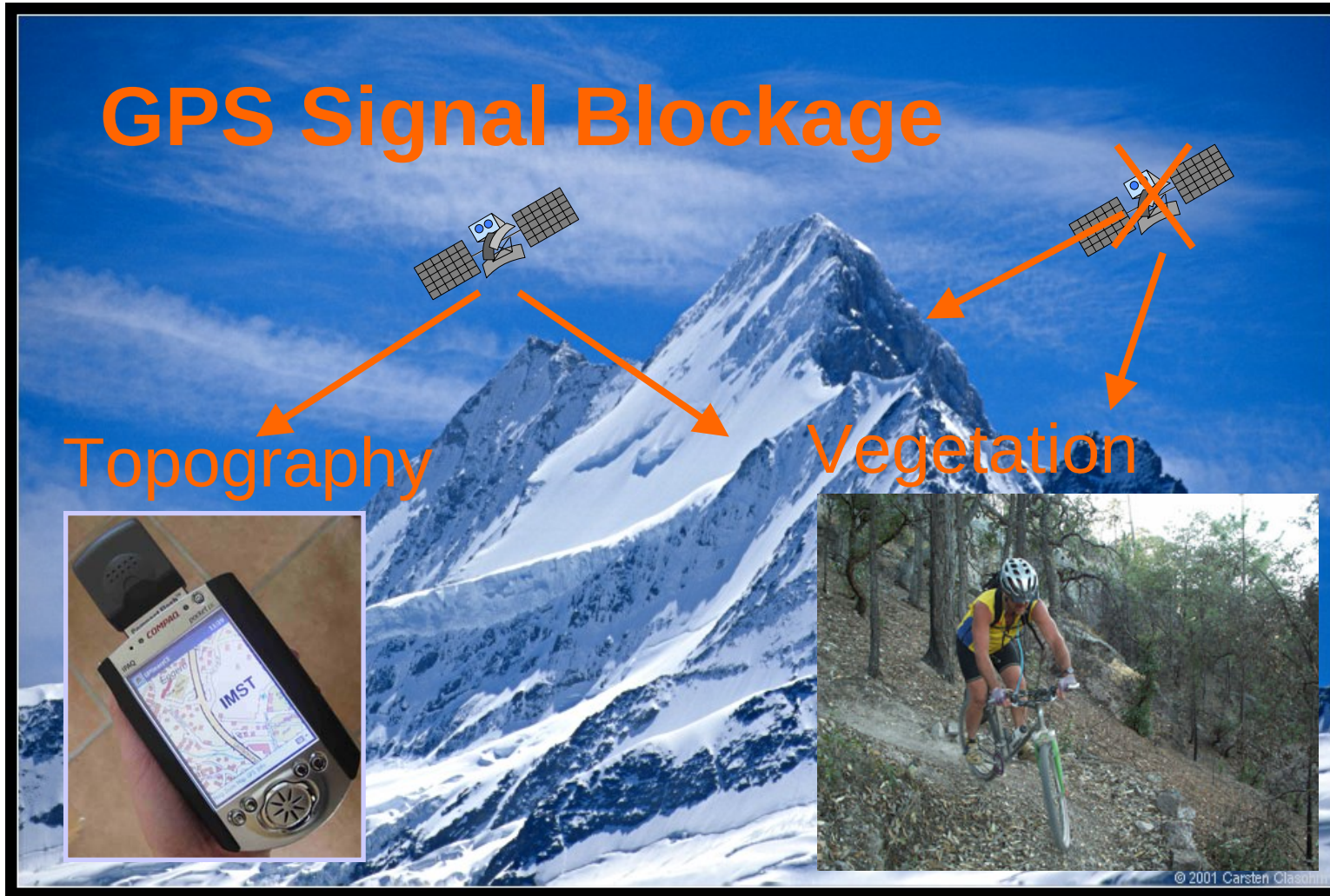
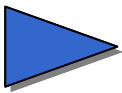


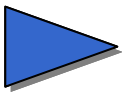
4. Project Overview & Status



5. Findings & Preliminary Results





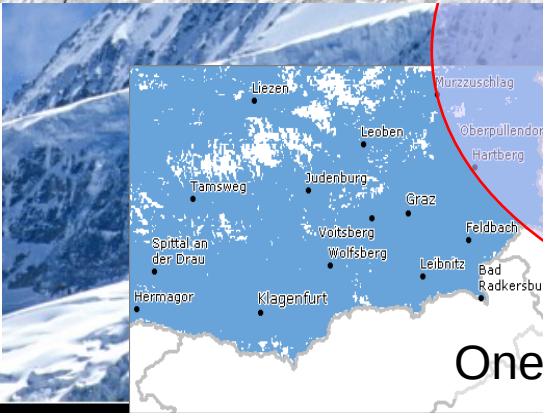


Communication

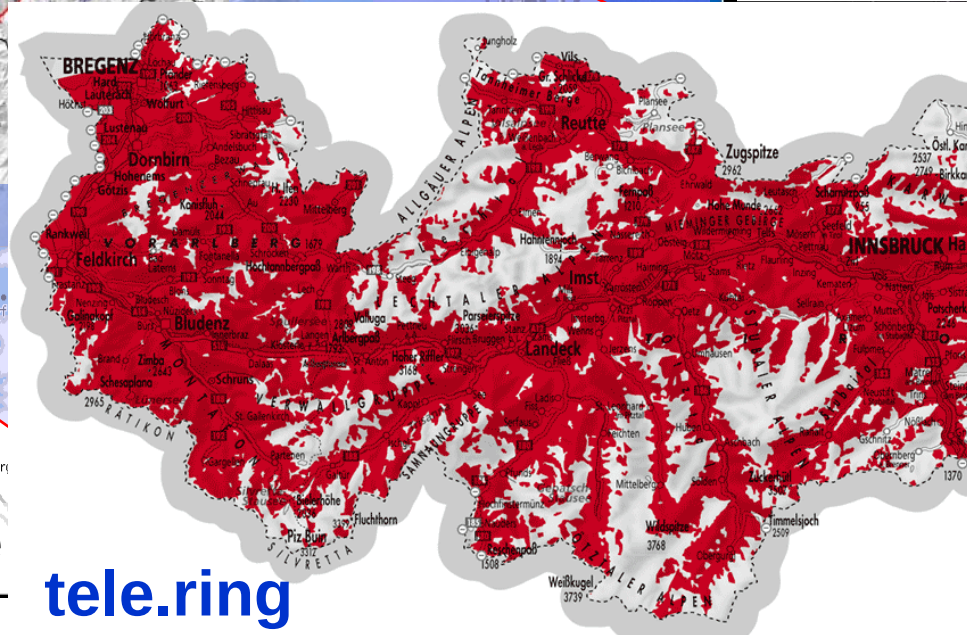
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A1

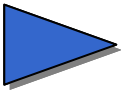
DEUTSCHLAND - GERMANY



One



tele.ring

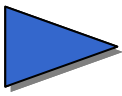


DTM

Integration of
Position Information

Dedicated Expert Systems

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2. PANORAMA Approach

Definition and realisation of a functional demonstrator:

COTS + DEDICATED AUGMENTATIONS

GPS/EGNOS



PDA

GSM

Pos / Nav

Multi-Sensors



GSM / SatCom

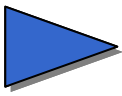


Communication

GIS



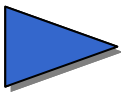
Online- Tracking



3. Applications

Safety relevant, commercial, and mass market





4. Project Overview & Status

	AP Titel	T0+1	T0+2	T0+3	T0+4	T0+5	T0+6	T0+7	T0+8	T0+9	T0+10	T0+11	T0+12	T0+13	T0+14	T0+15	T0+16	T0+17	T0+18	T0+19	T0+20	T0+21
1000	Projektmanagement																					
2000	Anforderungs- und Marktanalyse																					
2100	Anforderungsanalyse																					
2200	Sicherh. Anwendungen																					
2300	Anforderungsanalyse kom. Anwendungen																					
2400	Marktanalyse																					
2500	Sicherh. Anwendungen																					
3000	Marktanalyse kom. Anwendungen																					
3100	Technisches Konzept Basissystem																					
3200	Definition Basissystem																					
3300	Basiskomponente Ortung																					
3400	Basiskomponente Kommunikation																					
3500	Basiskomponente GIS/Managementsystem																					
4000	Konzept Basissystem																					
4100	Sachstand und Entwicklungspotential																					
4200	Ortung																					
4300	Mobile Kommunikation																					
4400	GIS/Managementsysteme																					
4500	Optionen zur Technologievernetzung																					
4600	Komponentenauswahl																					
5000	Realisierung Basissystem																					
5100	Definition Testplan																					
5200	Komponententest																					
5300	Anbau Basissystem																					
5400	Test Basissystem																					
5500	Auswertung																					
6000	Konzeptplan der Entwicklung und Realisierung Zielsystem																					
6100	Bräuführung Testergebnisse																					
6200	Ableitung zukünftiger realistischer Anwendungsszenarien																					
6300	Konzeptplan Zielsystem																					
6400	Techn. Konzept im Entwicklung und Erprobung																					
6500	Kosten- und Zeitplan																					
6600	Ergebnispräsentation und weitere Vorgehen																					

△
KOM

△
M1

△
M2

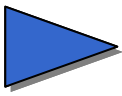
△
M3

■ TU Graz

■ Telematica

■ TeleConsult Austria

■ GPS GmbH

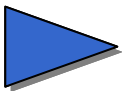


State-of-the-Art Analysis:

1. Desk Research (Literature, internet, other projects)

2. Interviews:

- Tyrolean Civil Protection Authority
- asi (Alpine Safety)
- Tyrolean Huntsman Association
- Mountaneering Associations Austria, Germany, Italy
- Tyrolean and Bavarian Mountain Rescue
- Helicopter Unit of Bavarian Police
- Joanneum Research
- ...



5. Findings & Preliminary Results

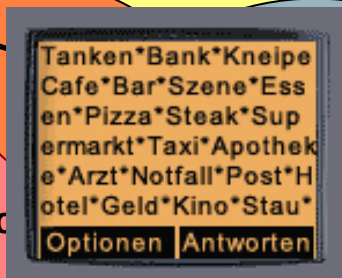


Positioning /Navigation

User
Terminals



Communication



GIS



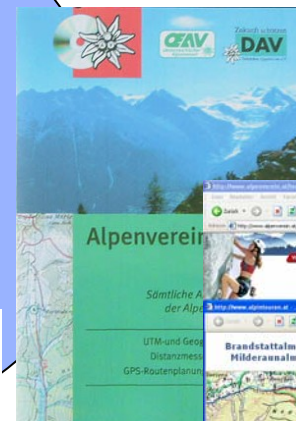
- Aktuelle Verkehrsinformationen
- Routenplaner
- Reiseauskunft
- Bayernetz für Radler
- Wege verbinden Bayern-Böhmen
- Das Projekt BAYERNINFO
- News
- Links



Technik: web@hbbs.de
impressum



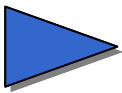
ERNFTS
LING



Mit freundlicher Unterstützung der

HYPO TIROL BANK





Thank you for your attention!

alp-s

PANORMA



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