WEB APPLICATION FOR TOPOGRAPHIC MAPS
CHANGES ACQUISITION

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Motivation

- status (regular updating) of topographical data (maps / databases) in mountain areas

- modern technologies and methods for capturing only partly replace economically aggravating field work

- importance of not very distinctive, but important objects and phenomena (mountain tracks, single tracks in forests, passages in steep and rocky slopes, springs, small graveyards, memorial signs etc.)
Large scale topographic data in Slovenia

DTK 50
Large scale topographic data in Slovenia
Large scale topographic data in Slovenia

DTK 25
Large scale topographic data in Slovenia

Use of DTK 25

Paper maps

Raster and vector digital maps
Updating of official topographic data by users

Client / server application

User, capturing changes (GPS, personal visual interpret.)

Client

Server

Updated map

administrator
users corrections to providers spatial data

Only reporting about the change in selected location
→ huge administrator’s work
Updating of official topographic data by users

Client / server application

User, capturing changes (GPS, personal visual interpret.)

Client

Server

Updated map

administrator
Application “Reambulator v1.0”

User interface - client
Application “Reambulator v1.0”

zooming
Inserting point, line and area object
Updating of official topographic data by users

Client / server application

User, capturing changes (GPS, personal visual interpret.)

Client

Server

Updated map

administrator
Updating of official topographic data by users

User, capturing changes (GPS, personal visual interpret.)

Client / server application

Client

Server

administrator

Updated map
Dušan Petrovič - MC WS Lenk 2008
Web application for topographic maps changes acquisition
Conclusions

Reambulator v1.0 was tested only in “lab” environment until now

Some corrections in interface, server data structure

Test period of use for all users

Cooperation with National Mapping Authority