



# sarOS™

## Search and Rescue Operating System

Mountain rescue Association of Slovenia

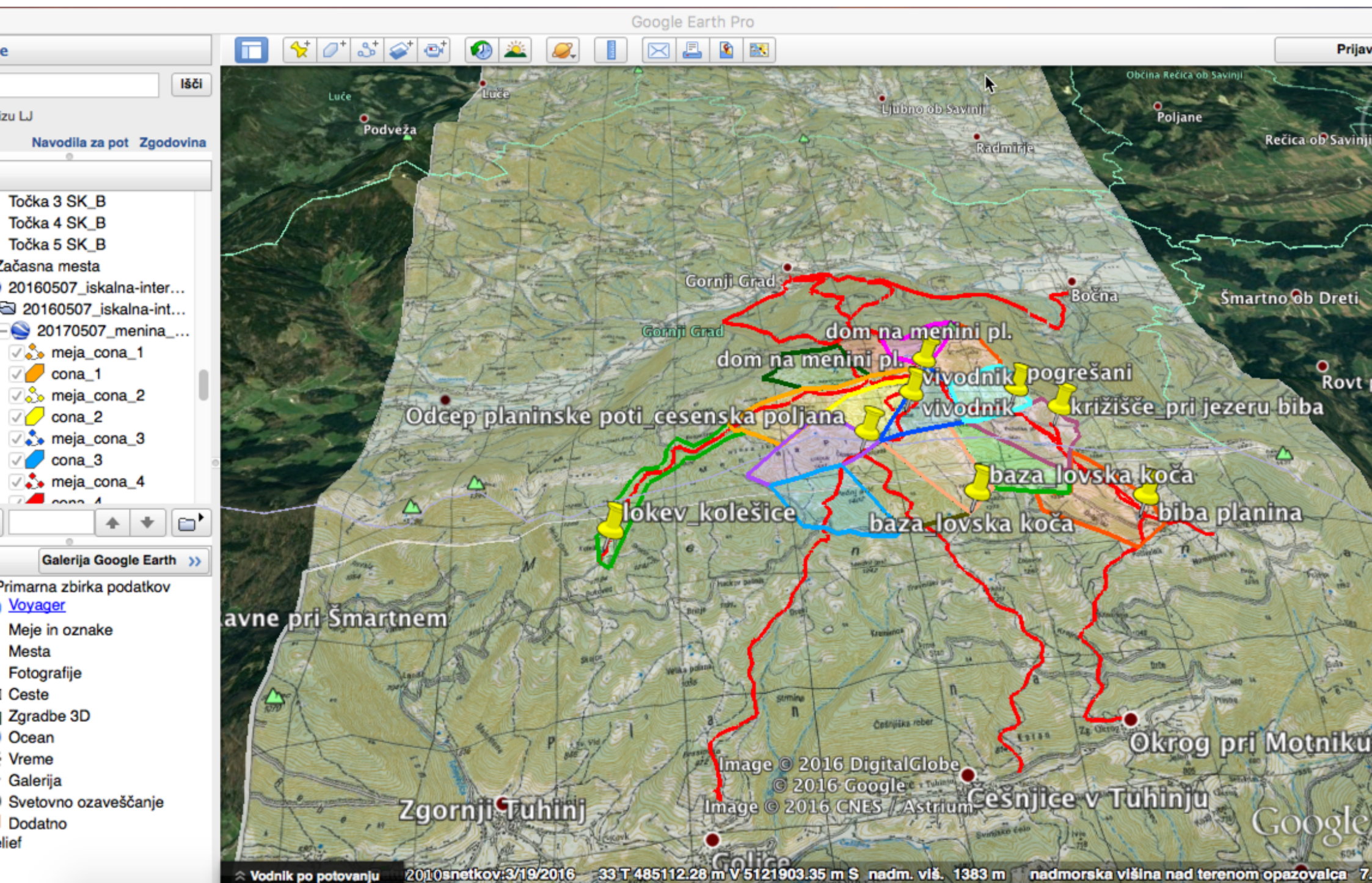
With cooperation of



# What we had?

- Sophisticated system.
- Everything was written on paper as a protocol.
- Very good educational program from beginners to experts.
- Every year practical trainings all over Slovenia in different conditions.
- Exchange of knowledge with other rescue services in and out of Slovenia.

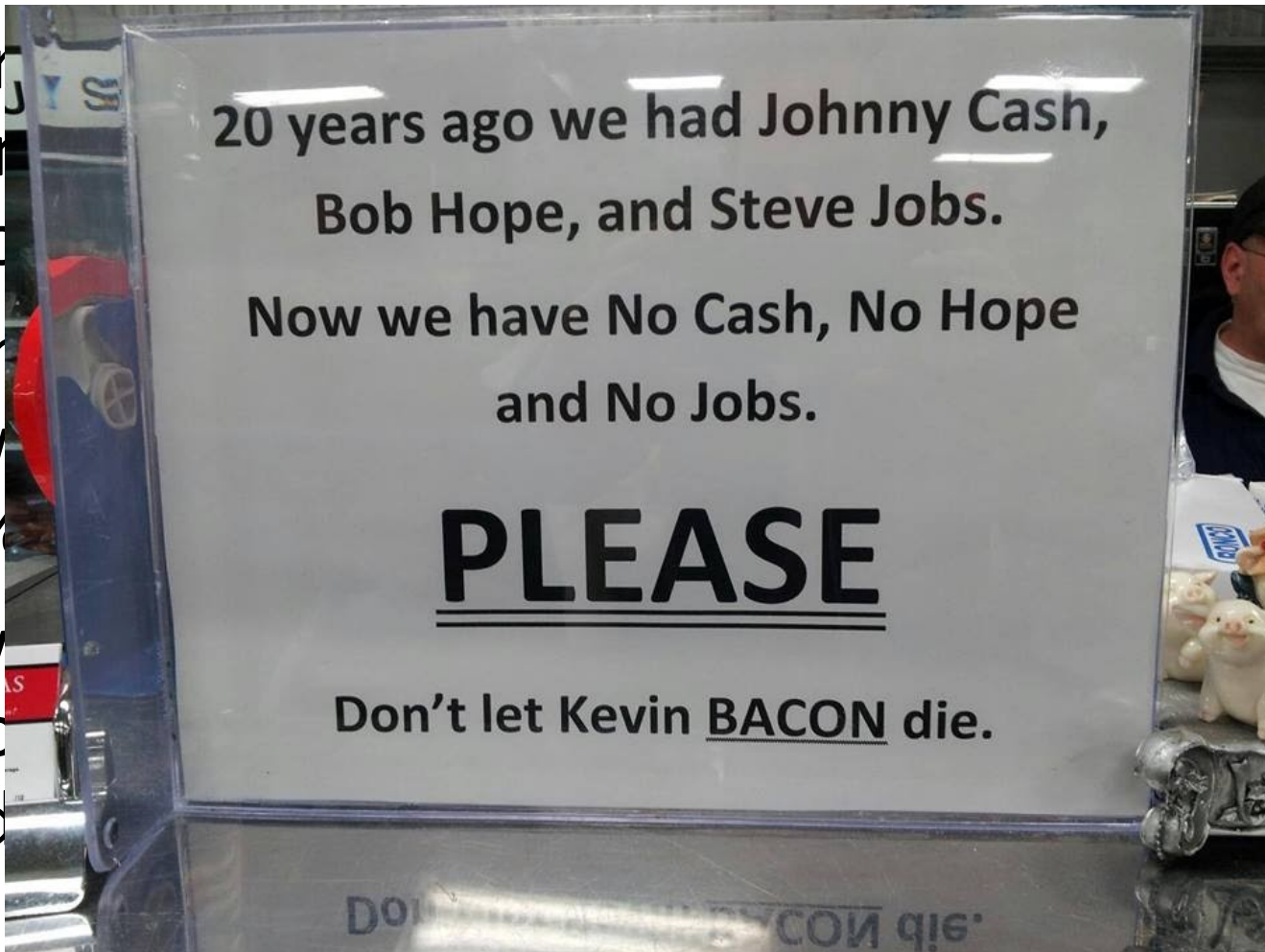






# What we had and what we wish to have?

- We had no limitation (OziExplorer)
- Everything was any software not 100%
- All freeware professional have back



because of software

support of time and it is

imitation, ted and we

- We had/have knowledge and experiences.
- We had an idea and strategy.

And we had very limited budget ...

... but because of dreams, idea and good connection with people who works on digital technology and mappings we started with a project search and rescue operating system in short sarOS.

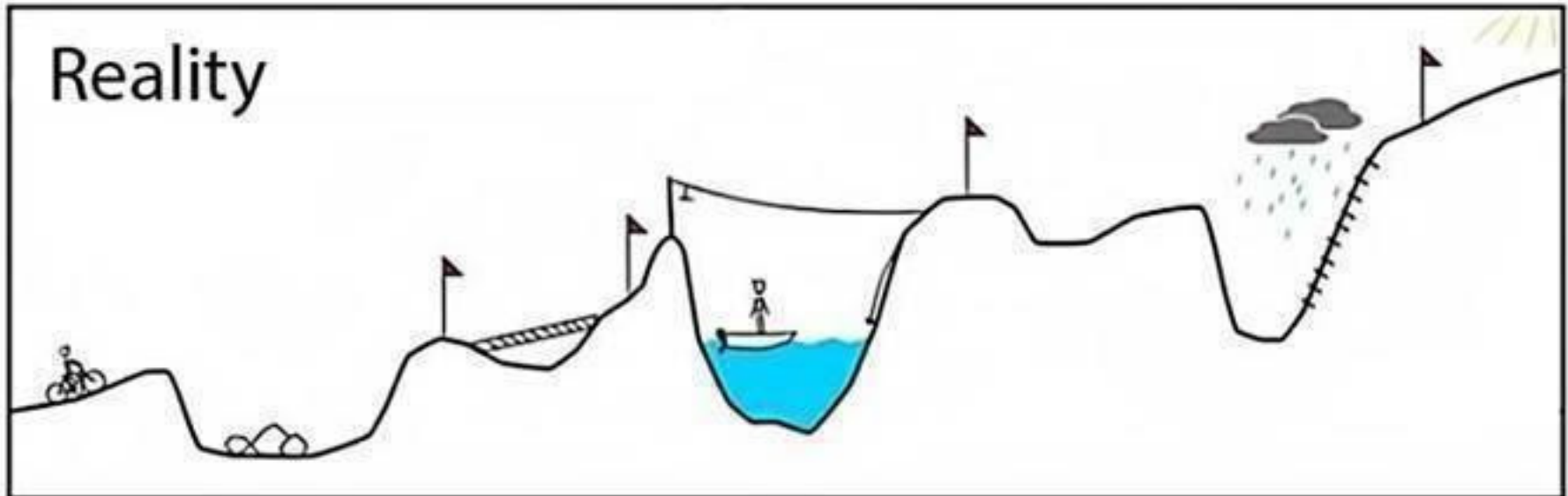
... and what sarOS™ is?!

sarOS™ represents sustainable methodology and results to integrate all relevant current and future requirements of search and rescue organisations into a “working modules based software solution” to conduct search and rescue operations.

Your plan



Reality



# Main Aspects

- standardisation of mapping system,
- integration of modern search and rescue techniques,
- covering relevant communication channels,
- standardisation of search and rescue in-filed data collection,



- implemented module can be used in search and rescue organisation on module by module basis without need to wait for further modules to be available,
- enable across border collaboration and hosting search and rescue teams from other countries,
- relatively short and easy learning curve.

# Main Work Flow – Slovenia case

- Convert and unifying state level available mapping sources Scales covered: 1:1.000.000, 750K, 250K, 50K, 25K, 10K, 5K, Aerial imagery 25cm.
- Colour raster layers based on usage scenarios (2D view, Google Earth view, debriefing and reporting).
- Create local based Google Earth raster server.
- Create communication module to cover communications with logging.

- Convert special mapping sources and datasets into local Google Earth raster server.
- Lidar, digital model of terrain, local datasets.
- Create module to trigger and conduct search and rescue operation.
- Create module for debriefing and reporting.

# The project sarOS is divided into three phases

- Maps.
- Communication.
- Rescue management.



A wide-angle photograph of a mountain landscape. In the foreground, a rocky, grassy ridge leads down into a valley. The valley floor is a lush green meadow with a small, isolated building. The surrounding mountains are rugged and grey, with some snow patches visible on the higher peaks. The sky is a clear, bright blue with a few wispy clouds. The text "Thank you for listening." is overlaid in the center of the image in a white, outlined font.

Thank you for listening.