

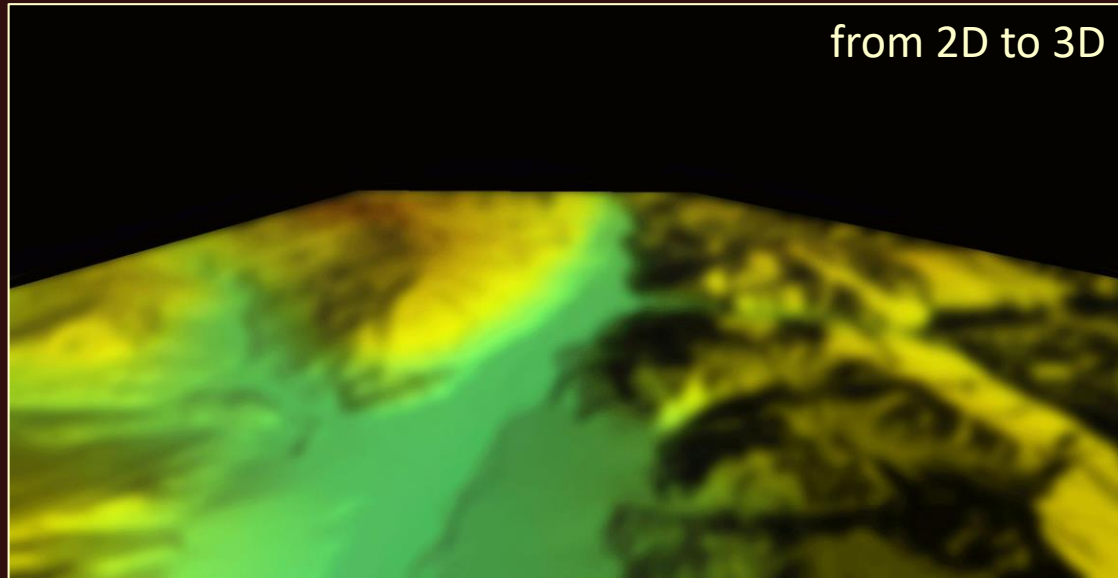
Quality Through Integration

Geospatial Industry → Geosciences → Geoinformatics
→ Geospatial Analytics → Geomorphometry → **Digital Elevation Model**

Tomaž Podobnikar

Digital elevation model (DEM)

... is about taking data
and creating a spatial representation
of a topographic surface



Critical issues of existing solutions

Are applications that use a DEM reliable?

Customers overestimate DEM's properties!



State and vision of development

Traditional

State-of-
the-art

Our focus

Our vision

Single source data set

Mosaicking of multiple data sets

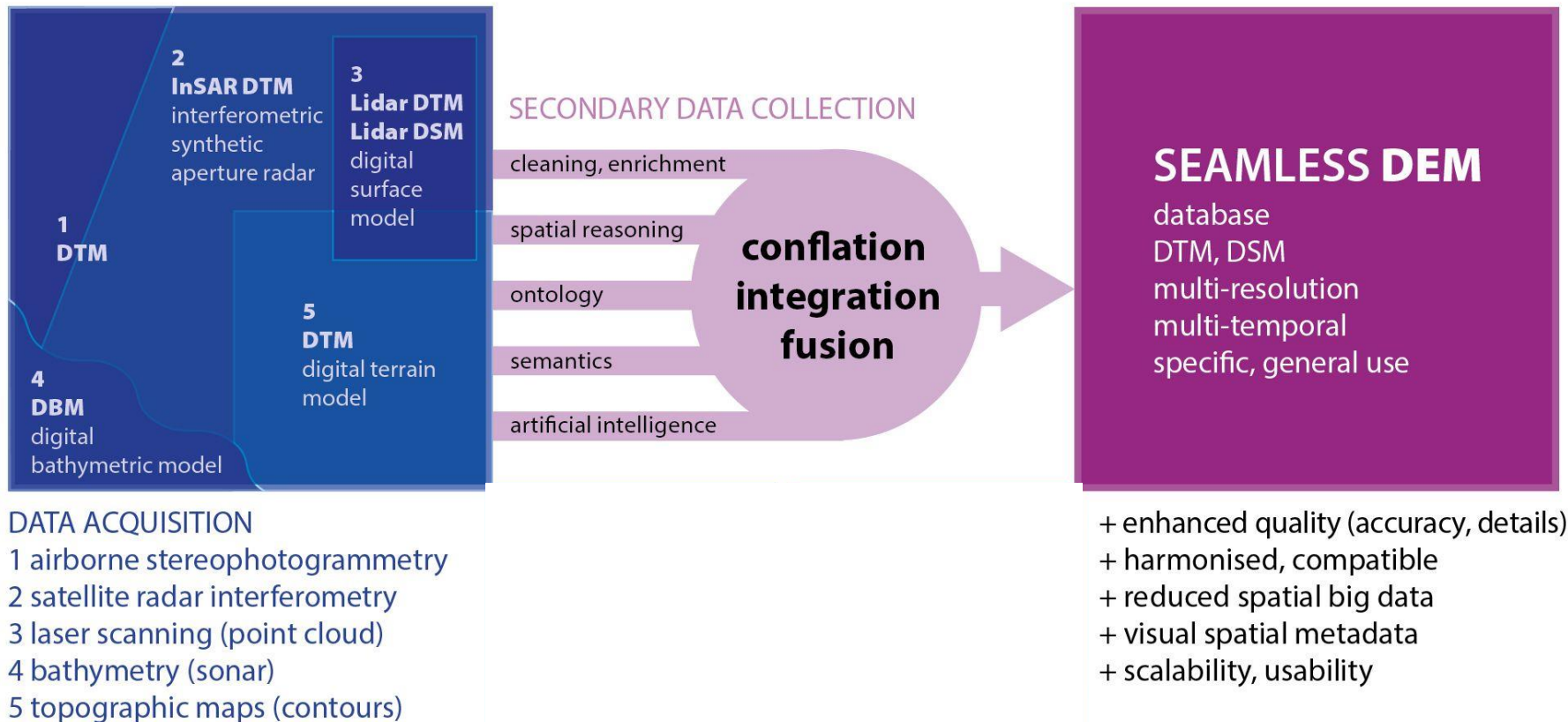
Conflation of multiple data sets

Hybrid integration

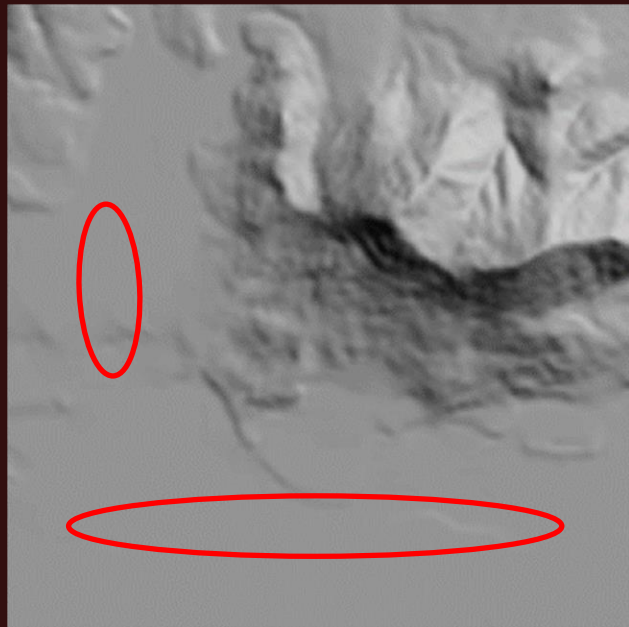
Do-it-yourself



Concept with solution



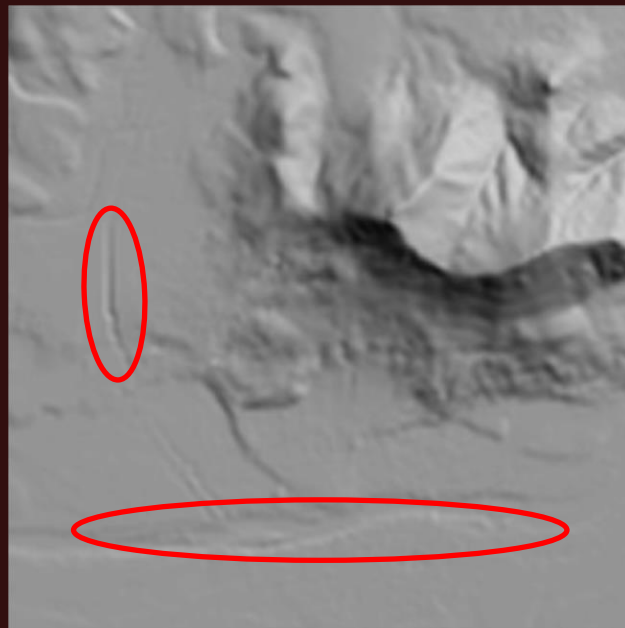
Result



~~DEM from single source~~



SEAMLESS DEM



DEM from 25 sources

Market potential

This **waterfall opportunity** cascades from country, government and commercial entities right down to end-user, education, research and training

Redefinition of the standard of DEM
and customer expectation

E.g., flood-risk management, Smart City, intelligent territories, natural disaster/hazard management, urban and regional planning, precision agriculture, landscape archaeology, mining industry, telecommunication industry, IoT, change detection

Expectation from the partnership

Accelerate development

form TRL 5 prototype to mature TRL 9 product & service

Needs

founder ... (long-term strategic) investor

s y m b i o s i s !

