

Scaling Energy Access

Automated mini-grid site selection using satellite imagery

BENEFITS

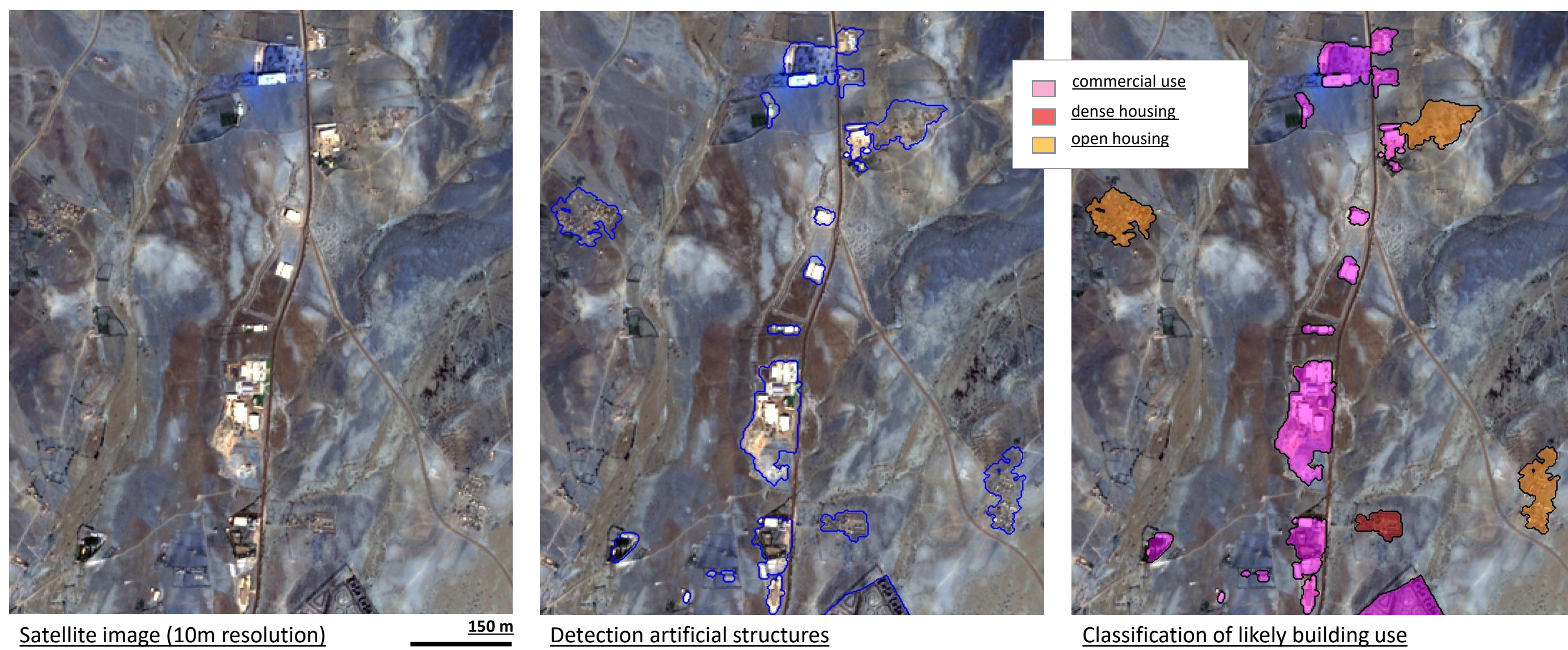
- ▶ Enable mini-grid developers to efficiently identify new viable sites
- ▶ Engage with developers to incorporate useful selection factors
- ▶ Simplify and scale the site assessment process
- ▶ Develop planning tools to help standardize the mini-grid sector



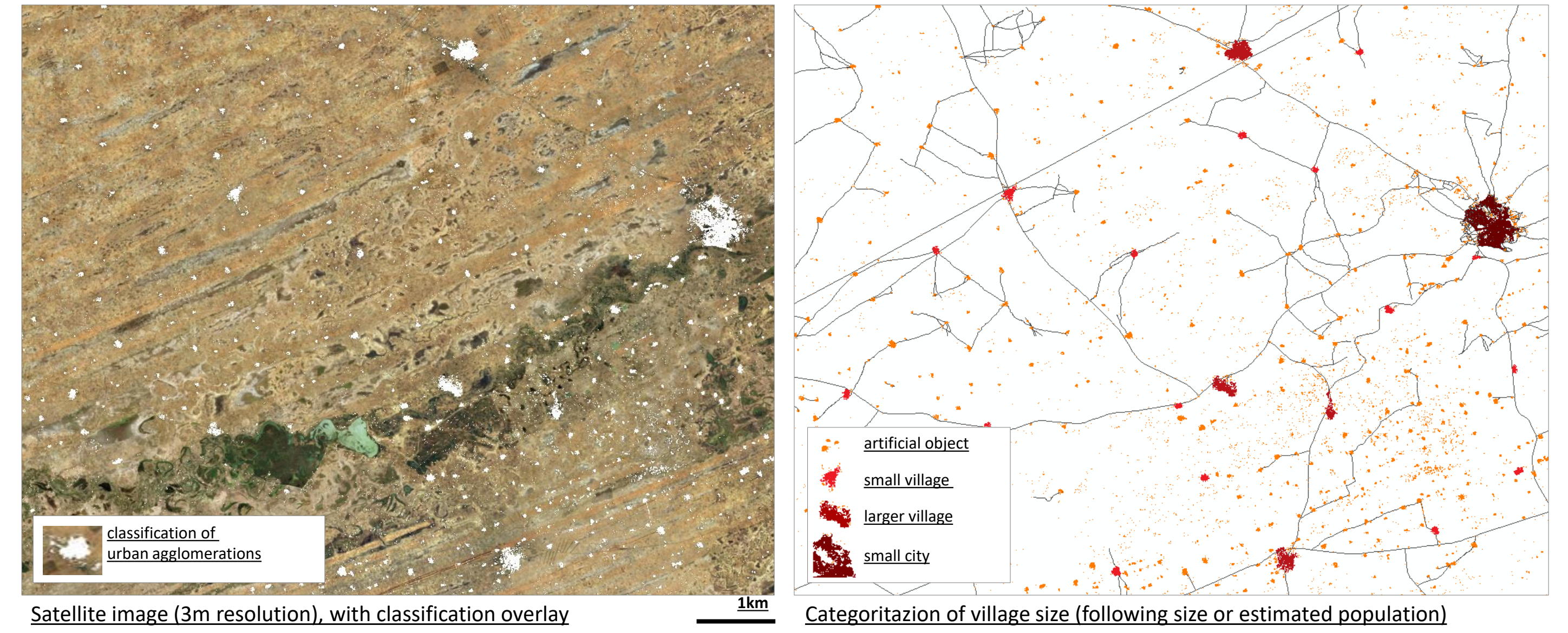
SELECTION FACTORS

contact@tfeconsulting.com
kraetzschmar@iabg.de

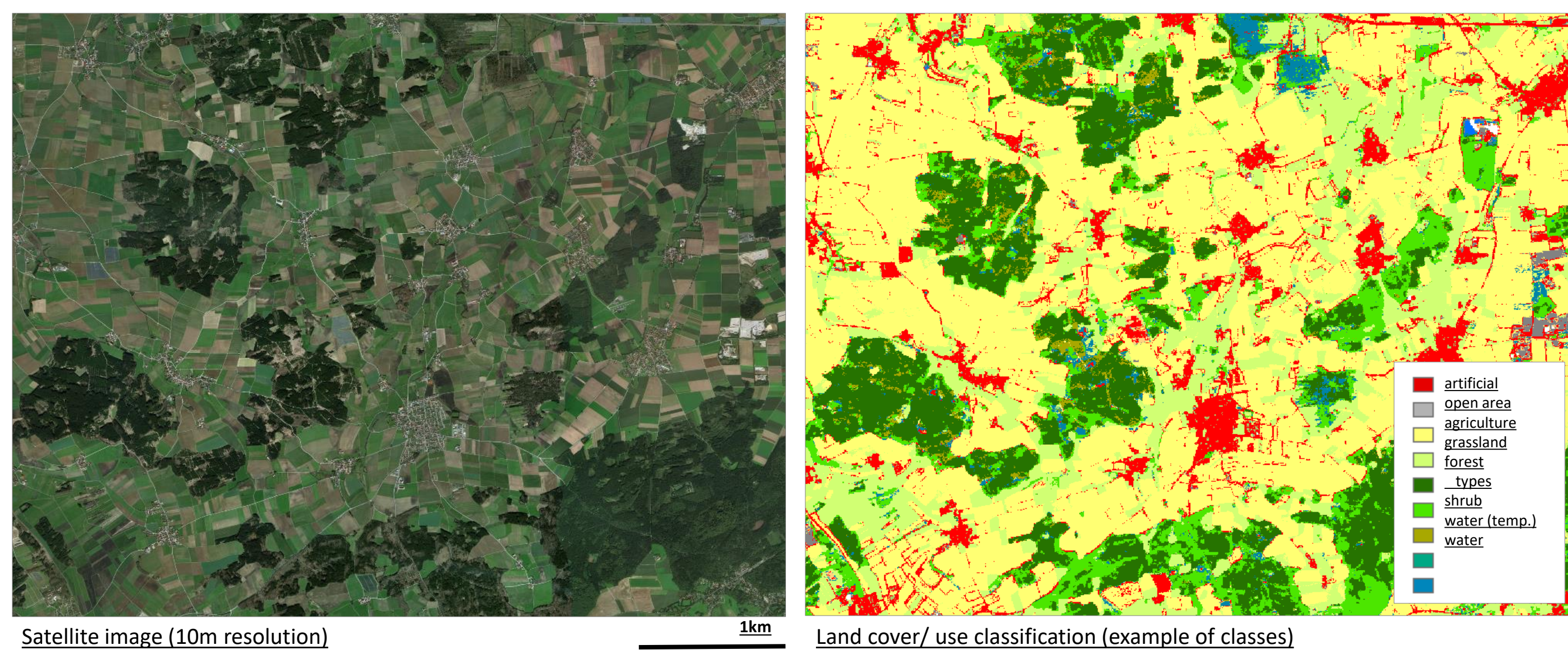
Building Use Classification



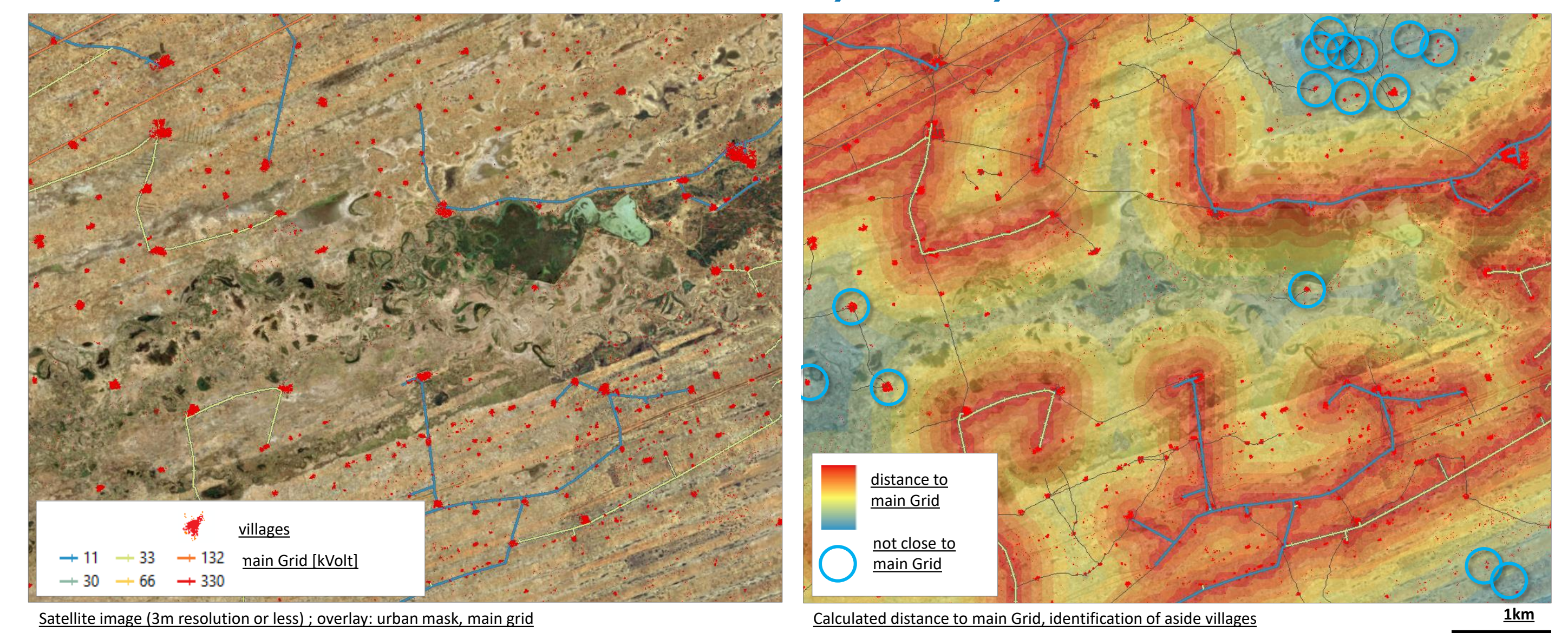
Settlement Size Estimation



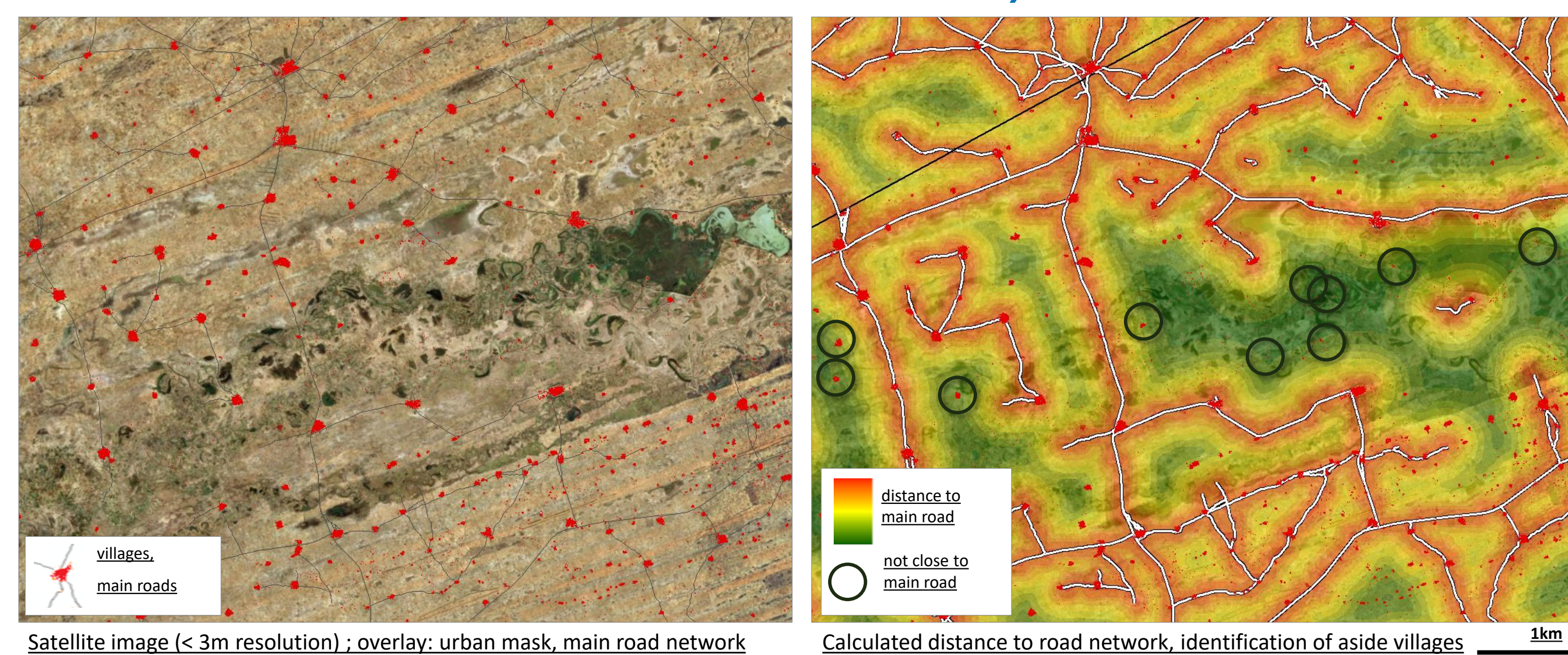
Land Cover Classification



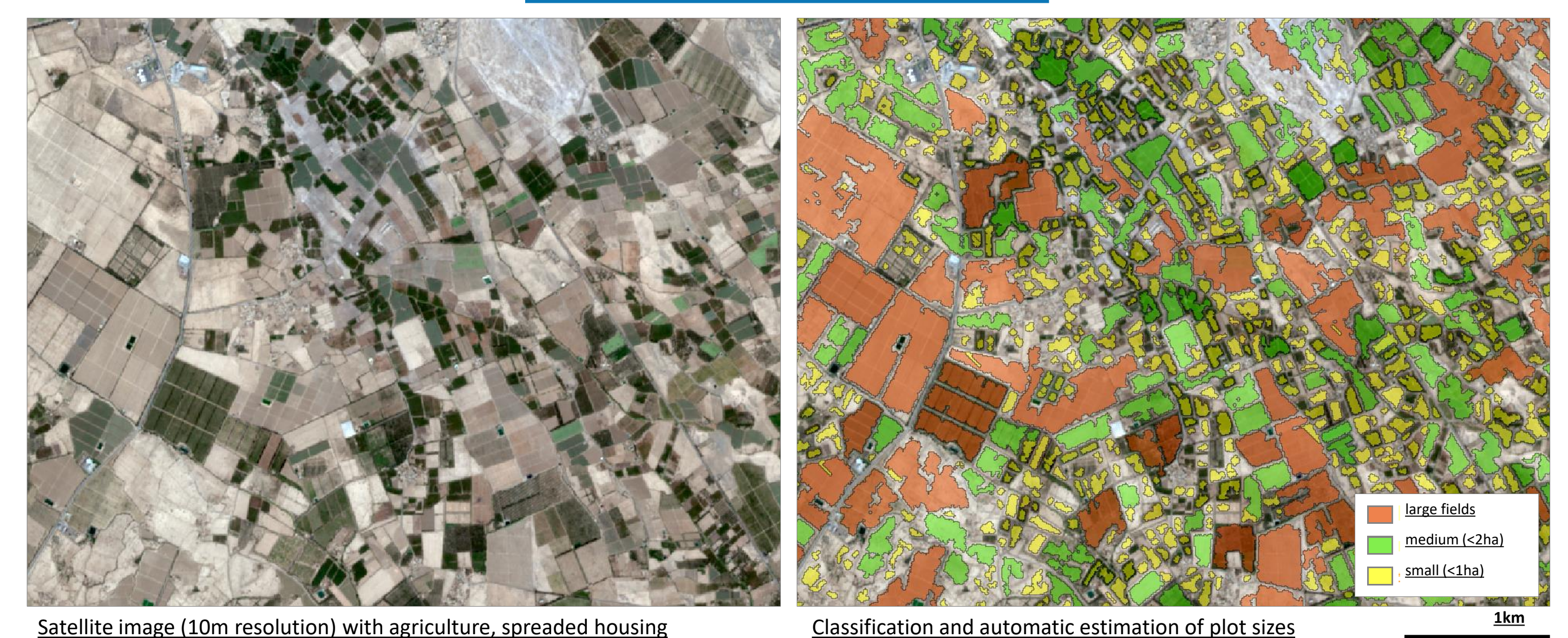
Grid Proximity Analysis



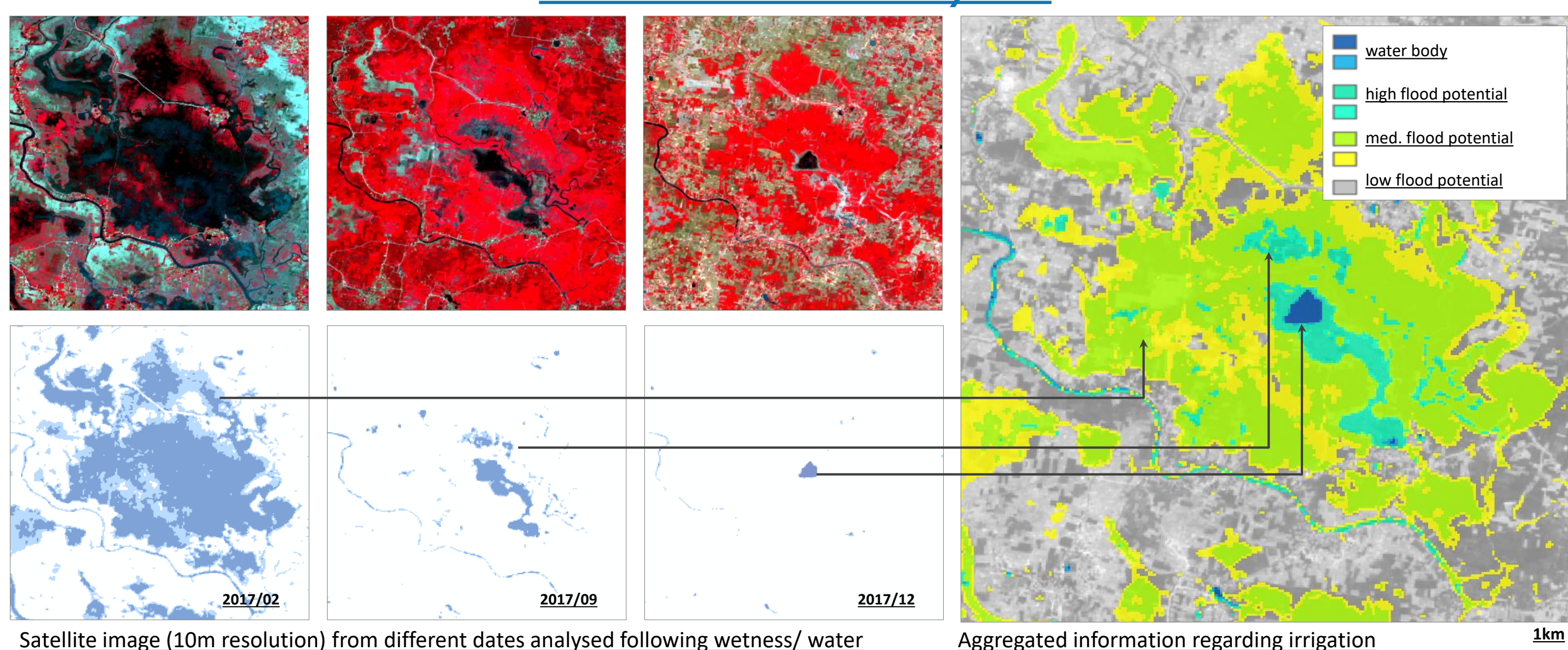
Road Network Analysis



Plot Size Estimation



Flood Risk Analysis



Slope and Drainage Analysis

