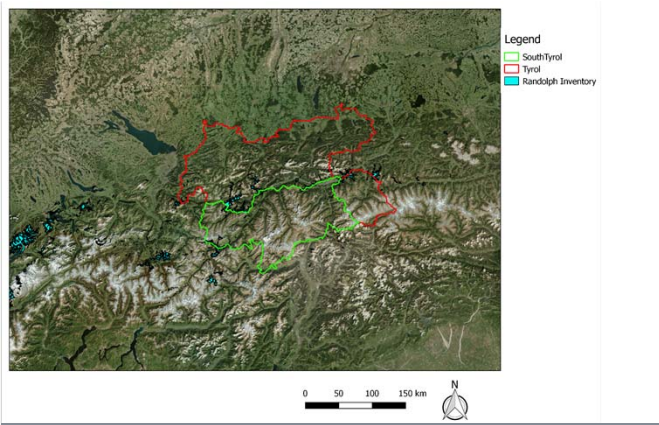


Funding scheme: Interreg Italia-Österreich
Time period of project: January 1, 2018 – October 10, 2020
Partners: Universität Innsbruck, Province of Bolzano

2 OBJECTIVES

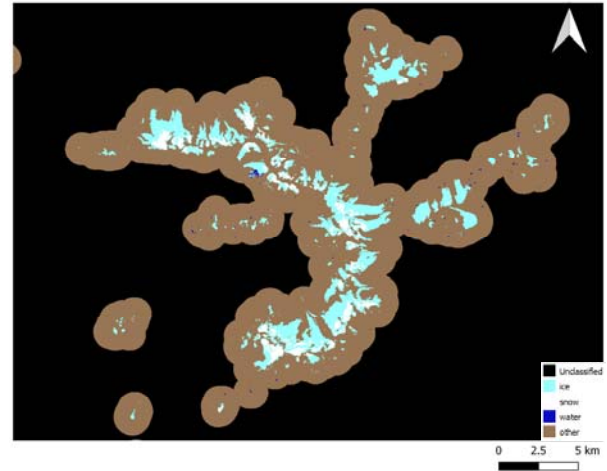
The project aim is to develop an **interregional operative glacier monitoring system**. A particular focus is given to the needs of the stakeholders in the field of hydrology, natural hazard, water management, agriculture and tourism. To reach this goal existing glacier monitoring programmes will be **integrated with innovative remote sensing data**.

3 RESEARCH AREA

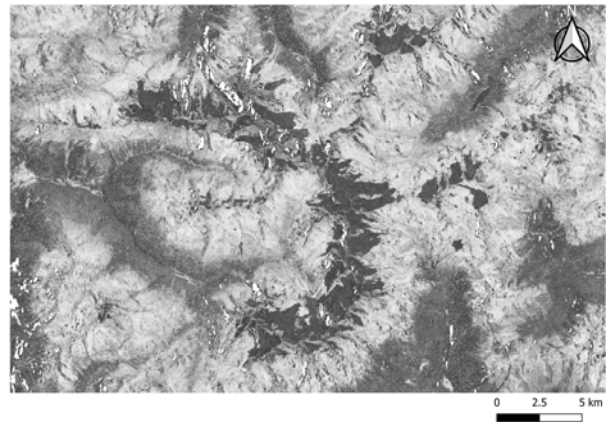


5 RESULTS

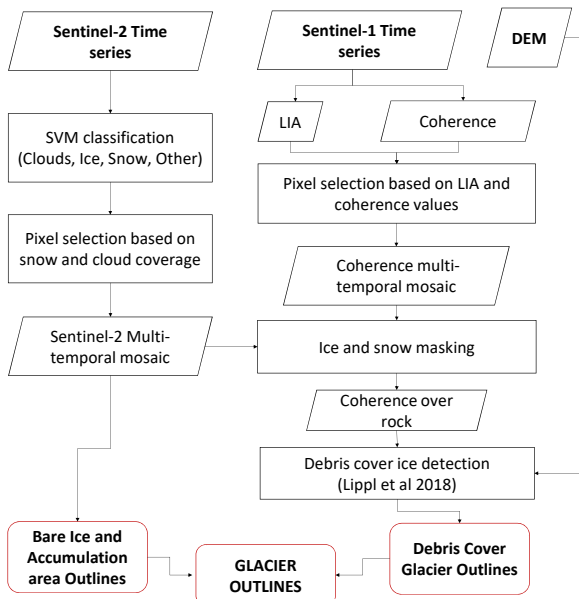
Classification map of the Sentinel-2 multitemporal mosaic, year 2017.



Filtered coherence mosaic of Sentinel-1 (tracks 15, 44, 66, 95, 117, 118), year 2017.



4 SENTINELS GLACIER INVENTORY METHOD



Glacier inventory generated combining the Sentinel-1 and Sentinel-2 multitemporal mosaics (superimposed to the Sentinel-2 false color multitemporal mosaic (R → SWIR, G → NIR, B → RED), year 2017

