



# **Venosta Valley**

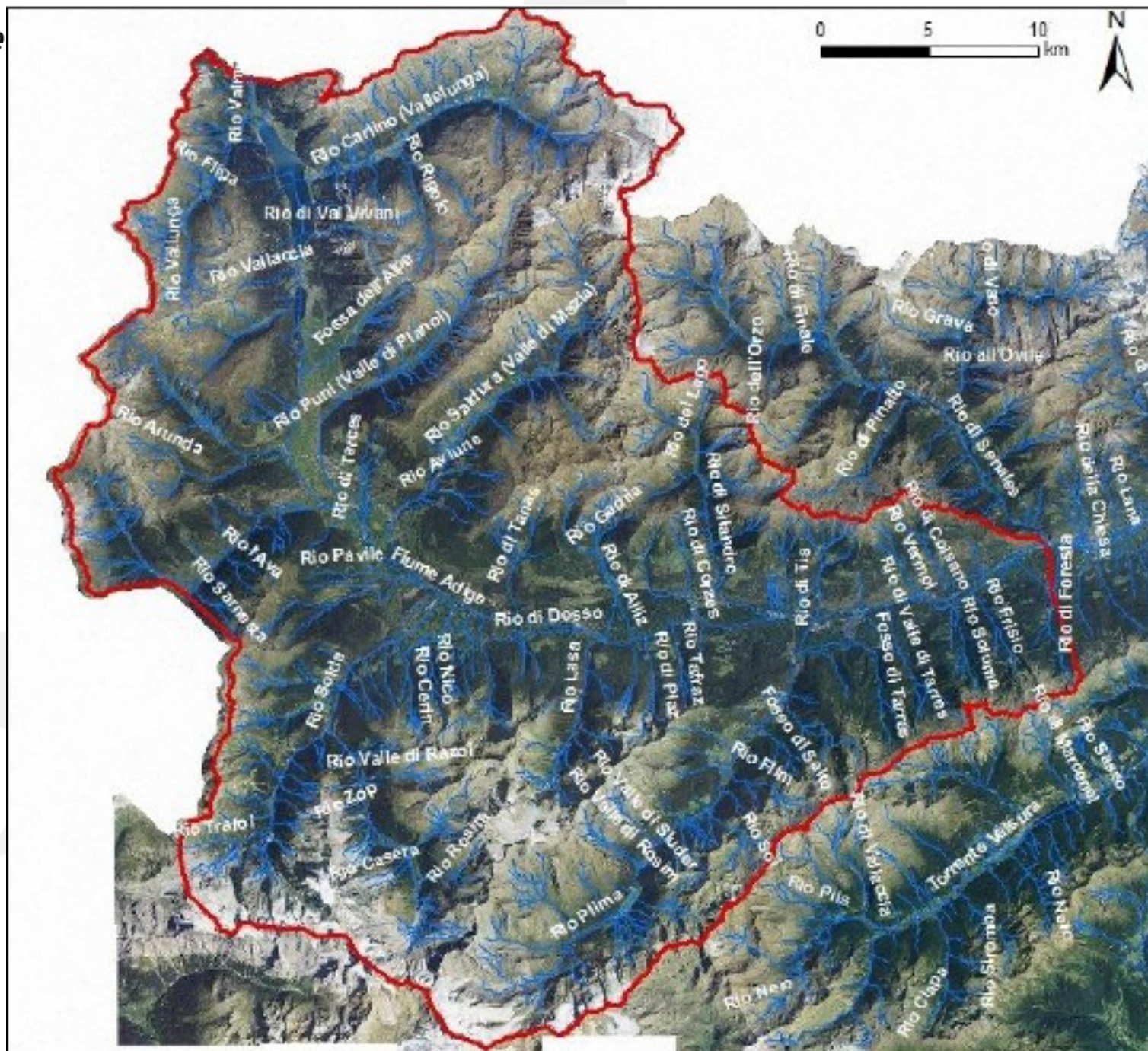
## **Autonomous Province of Bolzano**

[www.sedalp.eu](http://www.sedalp.eu)

The study area includes an upper Venosta Valley (1096 km<sup>2</sup>), located within the Autonomous Province of Bolzano, Italy. It contains 19 basins ranging in size from 7 km<sup>2</sup> (Vezzano basin) to 163 km<sup>2</sup> (Martello Valley).

These areas were overridden repeatedly by the Alpine Ice Cap during the Pleistocene and have thus inherited morphological and sedimentological characteristics typical of glaciated environments.

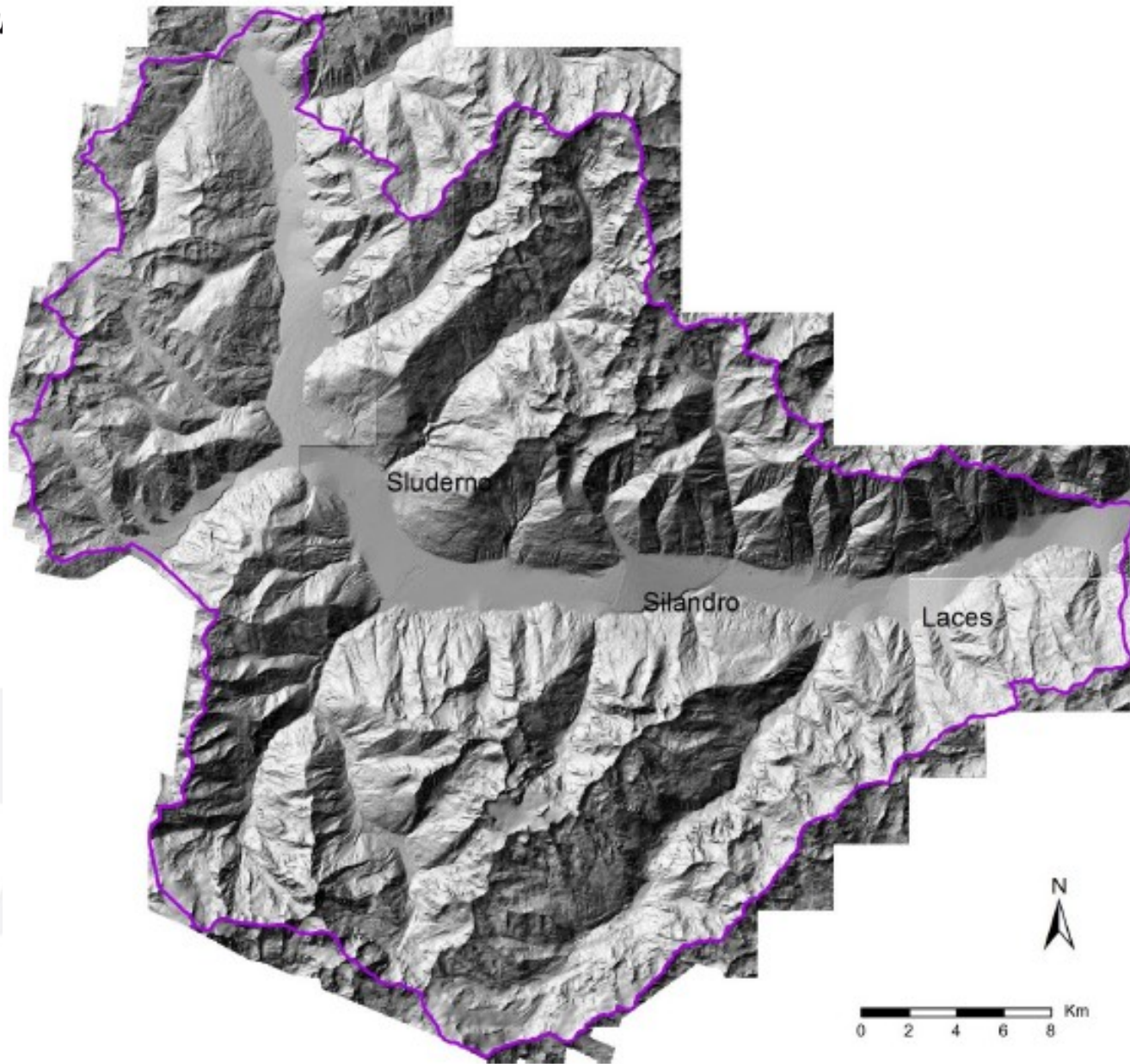
Today a number of glaciers and glacierets occupy the highest elevations of the Venosta Valley, for a total extension of about 44 km<sup>2</sup>.



***Sediment management in Alpine basins***

<b>Venosta Valley</b>	
Basins included	19
Drainage area (km <sup>2</sup> )	1096
Main river basin	Adige river
Maximum elevation (m a.s.l.)	3896
Minimum elevation (m a.s.l.)	530
Annual rainfall min – max (mm)	450 - 500

**Geology:** Metamorphic rocks, mainly gneiss, schist, and phyllite



Shaded relief of the study area within Venosta Valley