

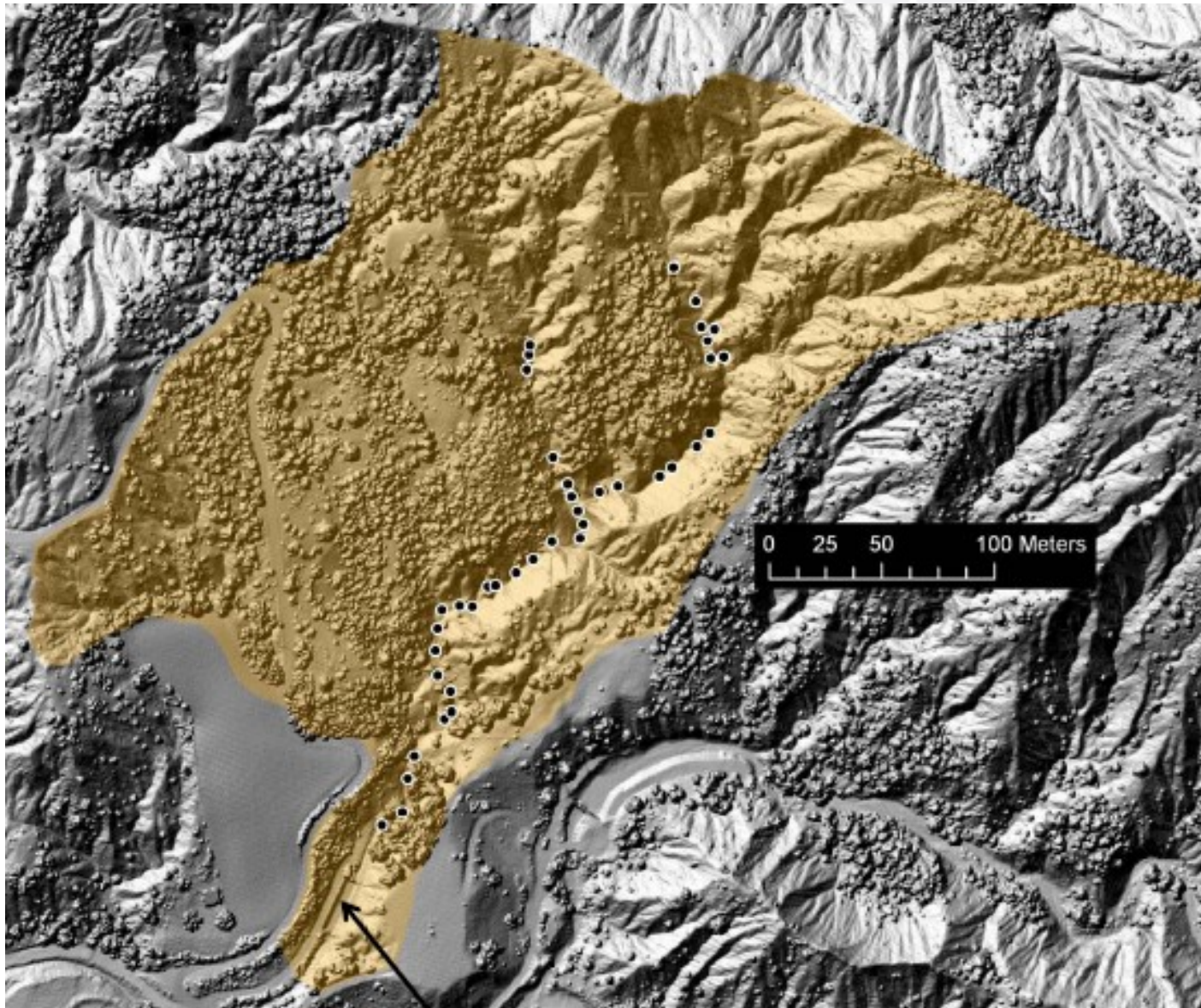


Moulin ravine

www.sedalp.eu

Moulin Ravine

Location	Bléone River basin, Southern French Prealps
Region/Department/Commune	Provence-Alpes-Côte d'Azur/Alpes-de-Haute-Provence/Draix
Coordinates	44°08'N, 6°21'E
Drainage area (km ²)	0.08
Elevation range (m a.s.l)	860-950
Mean annual rainfall (mm)	900
Geology	Jurassic black marls
Sediment transport monitoring	Bedload
Number of monitoring stations	1
Equipments	Parshall flume, sharp-crested weir sediment retention basin (220 m ³), Reid-type bedload slot sampler, rain gauges, time-lapse cameras
Complementary surveys	15 cross sections 2 Airborne lidar coverages of the catchment



Moulin ravine catchment with the localization of the 40 cross sections equipped with scour chains

Sediment retention and bedload slot sampler

w Bedload slot sampler of the Moulin Ravine (photo: Frédéric Liébault, Irstea Grenoble)



Sediment management in Alpine basins

W

Bedload deposits in the channel of the Moulin Ravine (photo: Frédéric Liébault, Irstea Grenoble)



Sediment management in Alpine basins