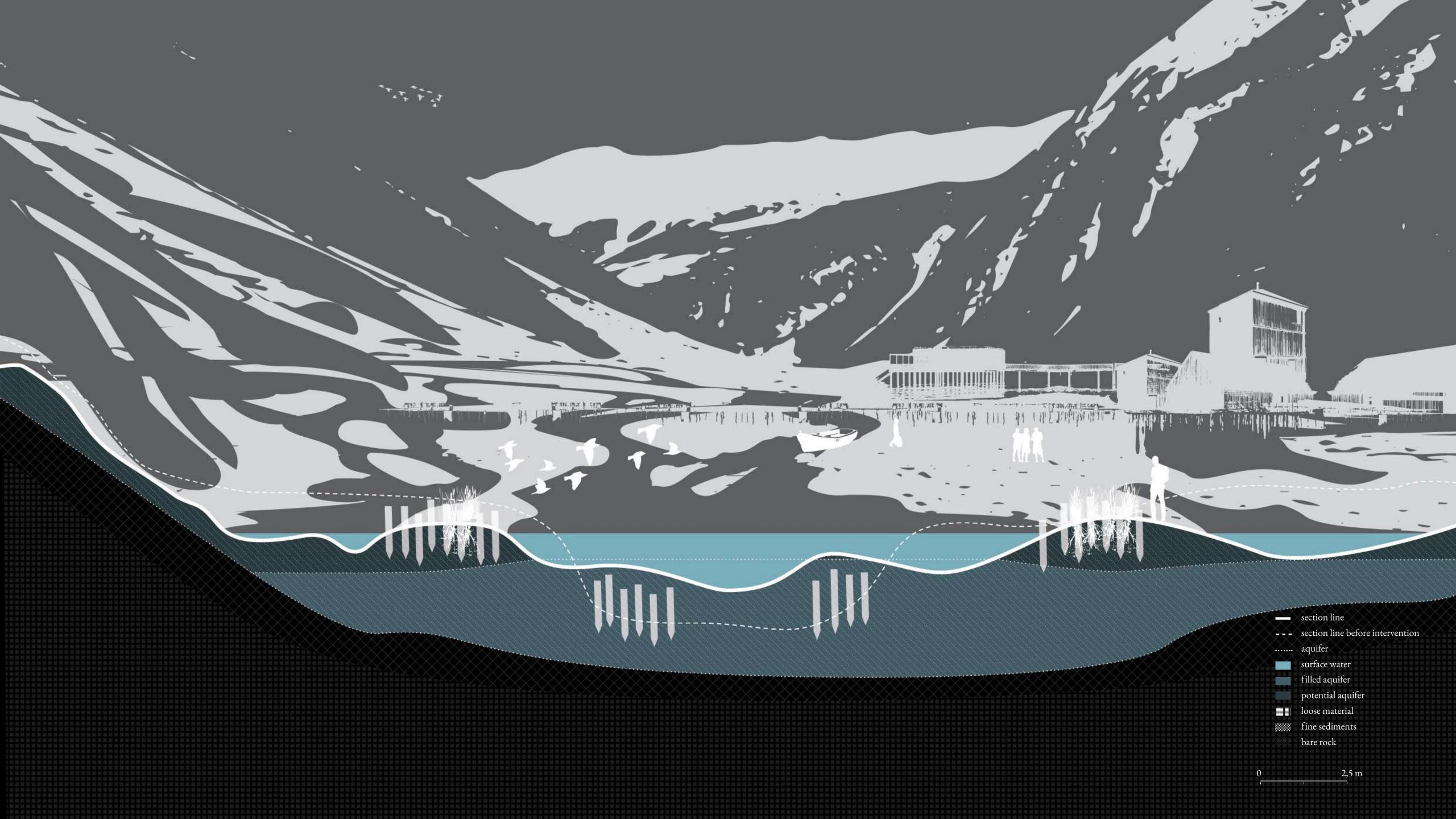
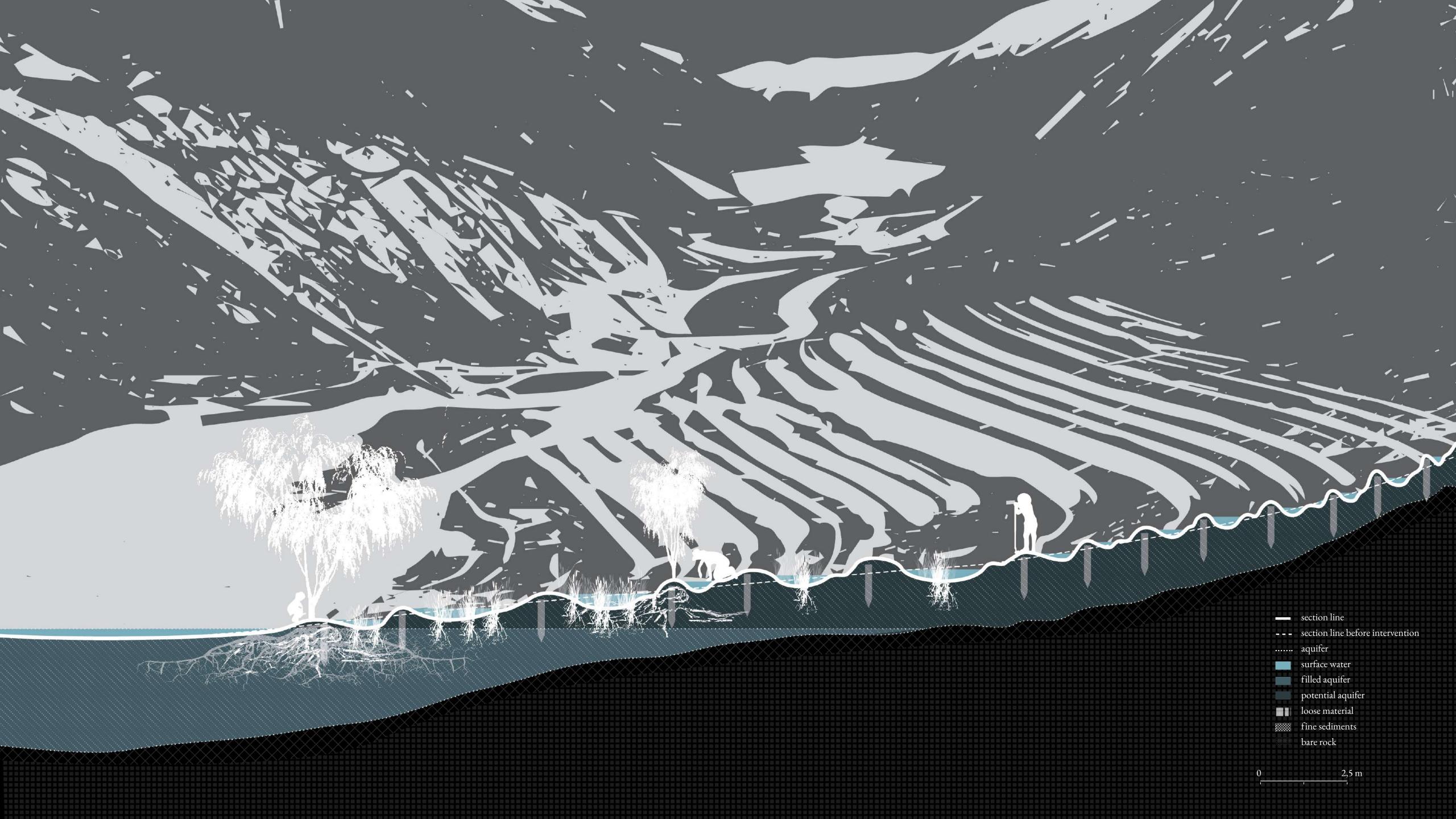
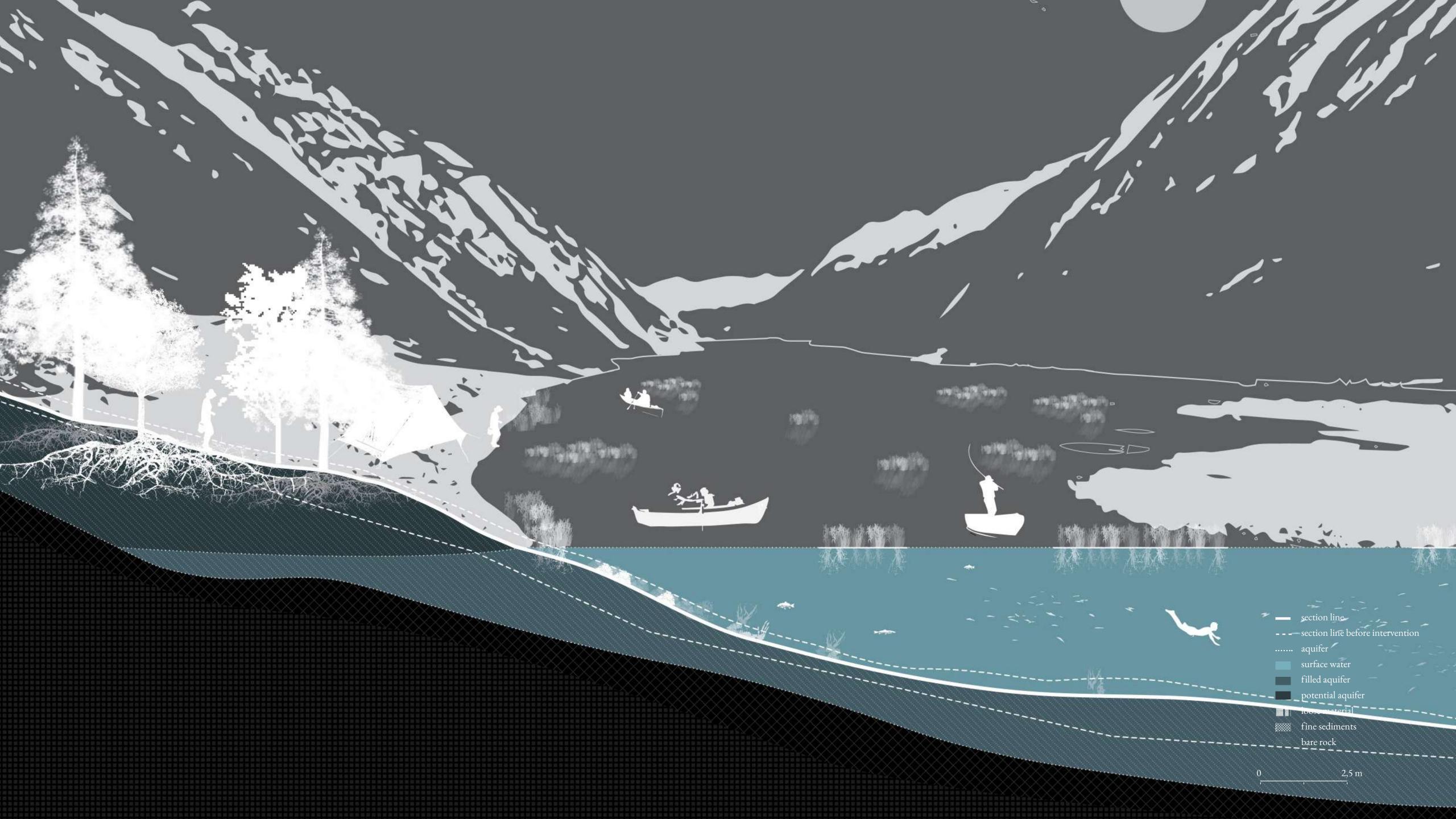
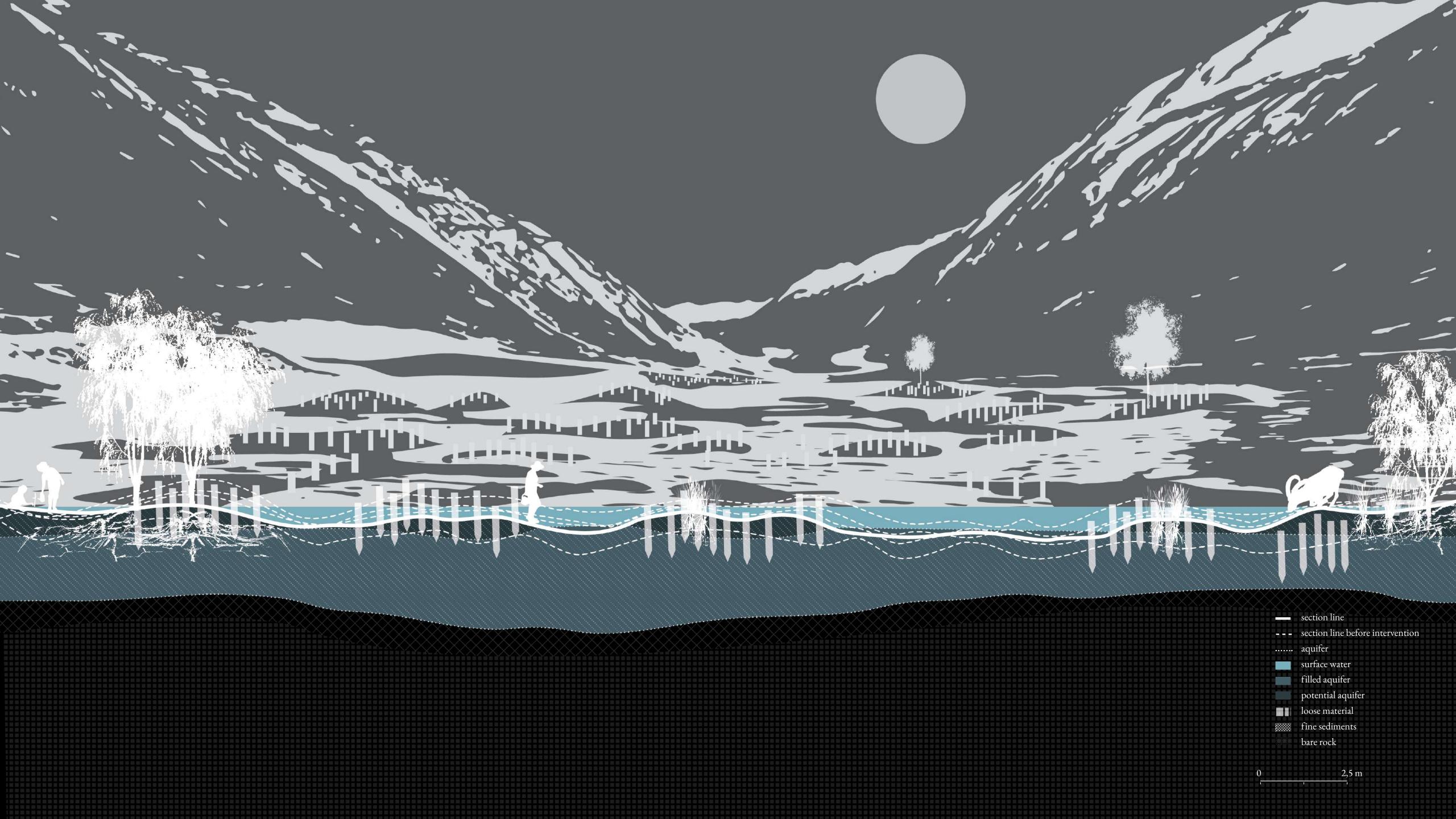
A change of matter the Alps our living freshwater source and reservoir

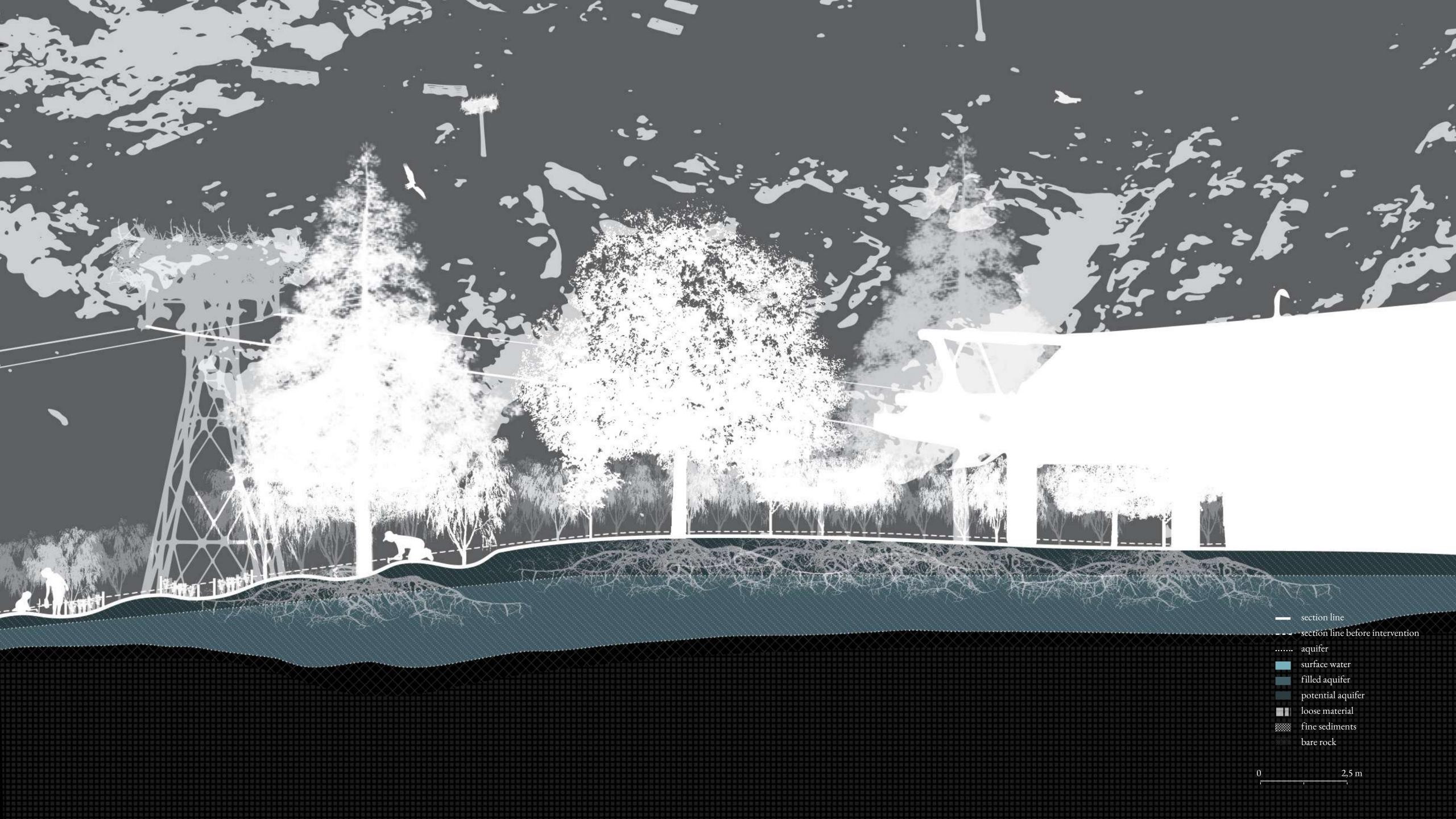
P5 Presentation Emilie Stecher 5392519 Transitional Territories

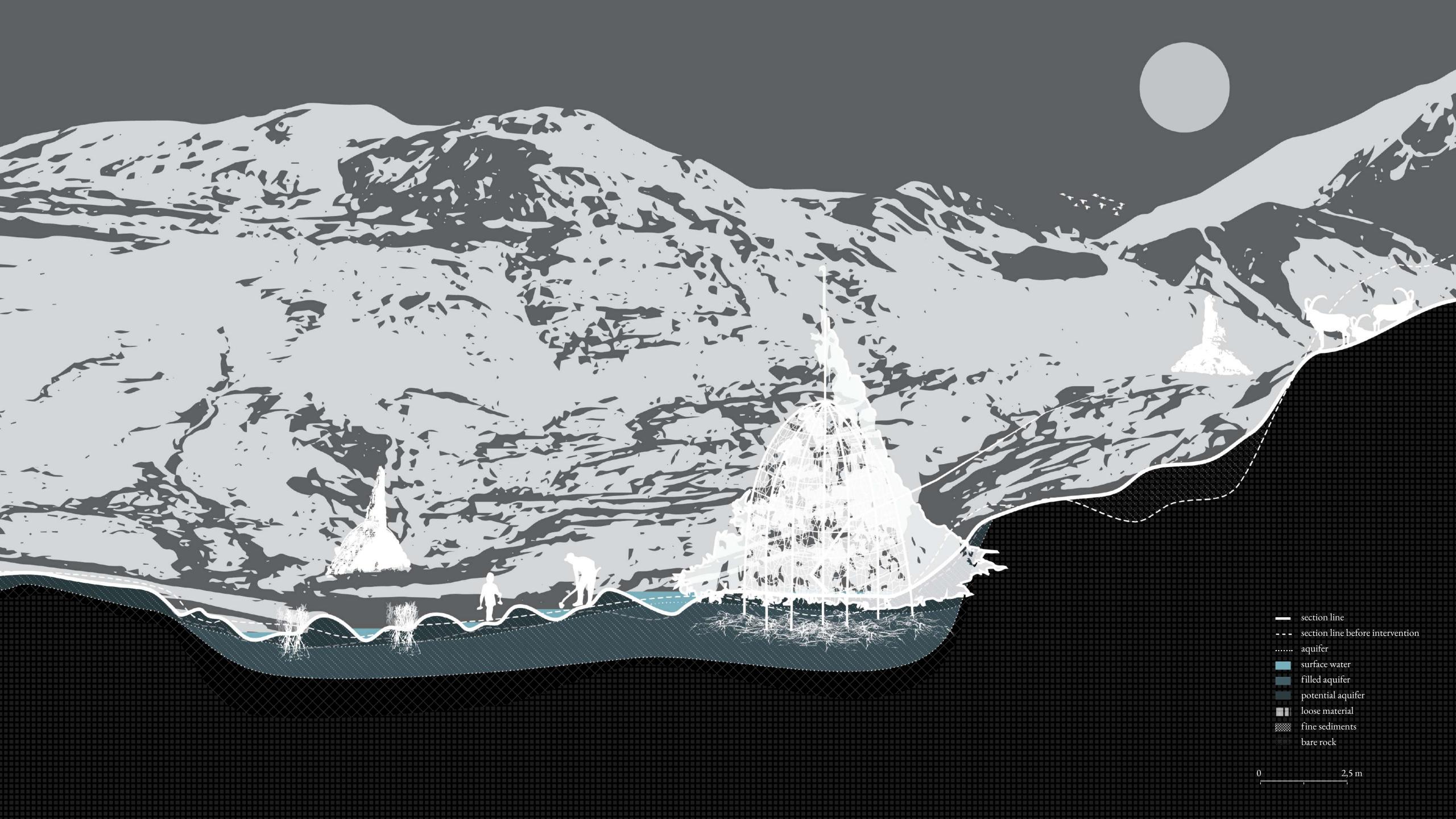


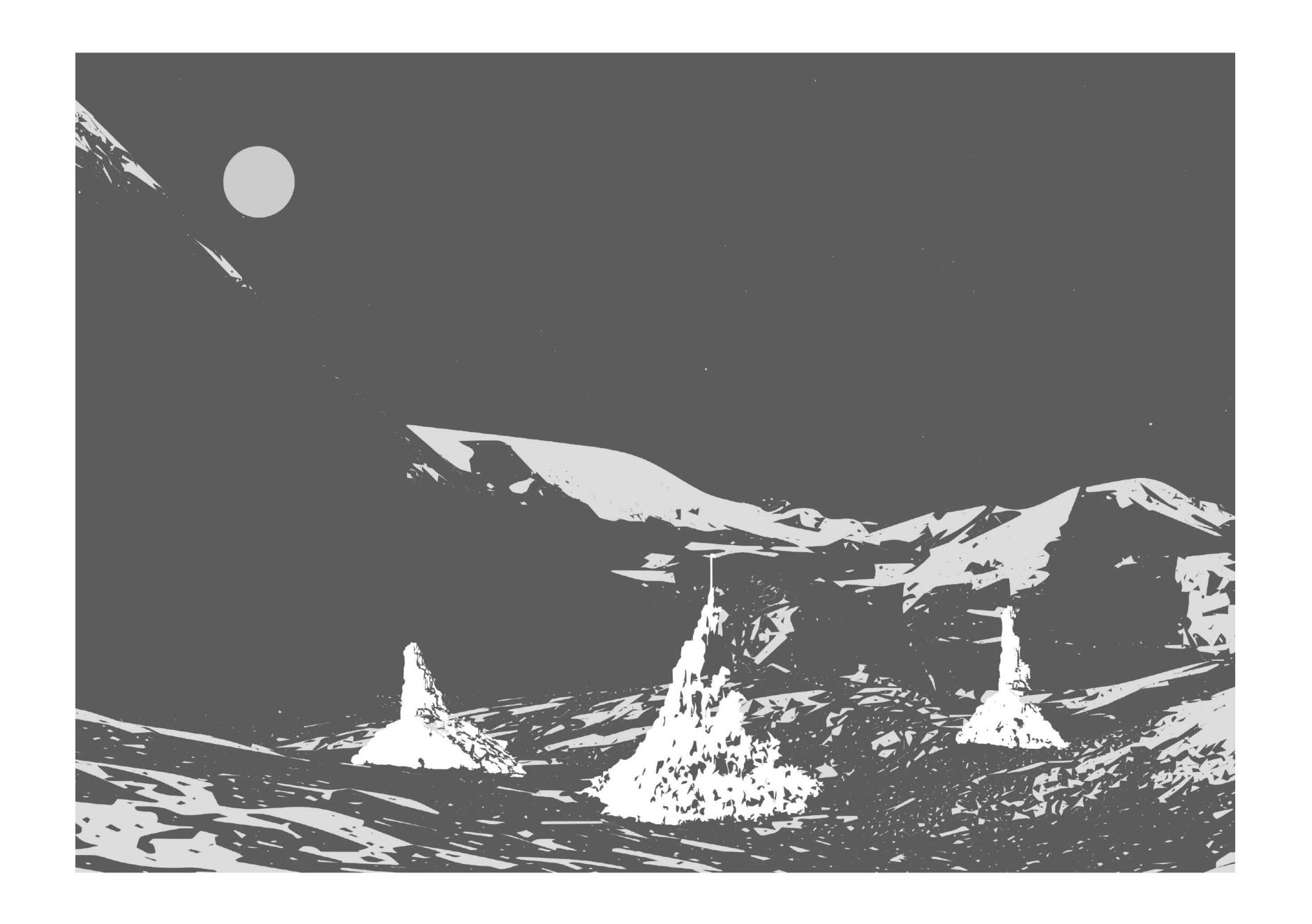






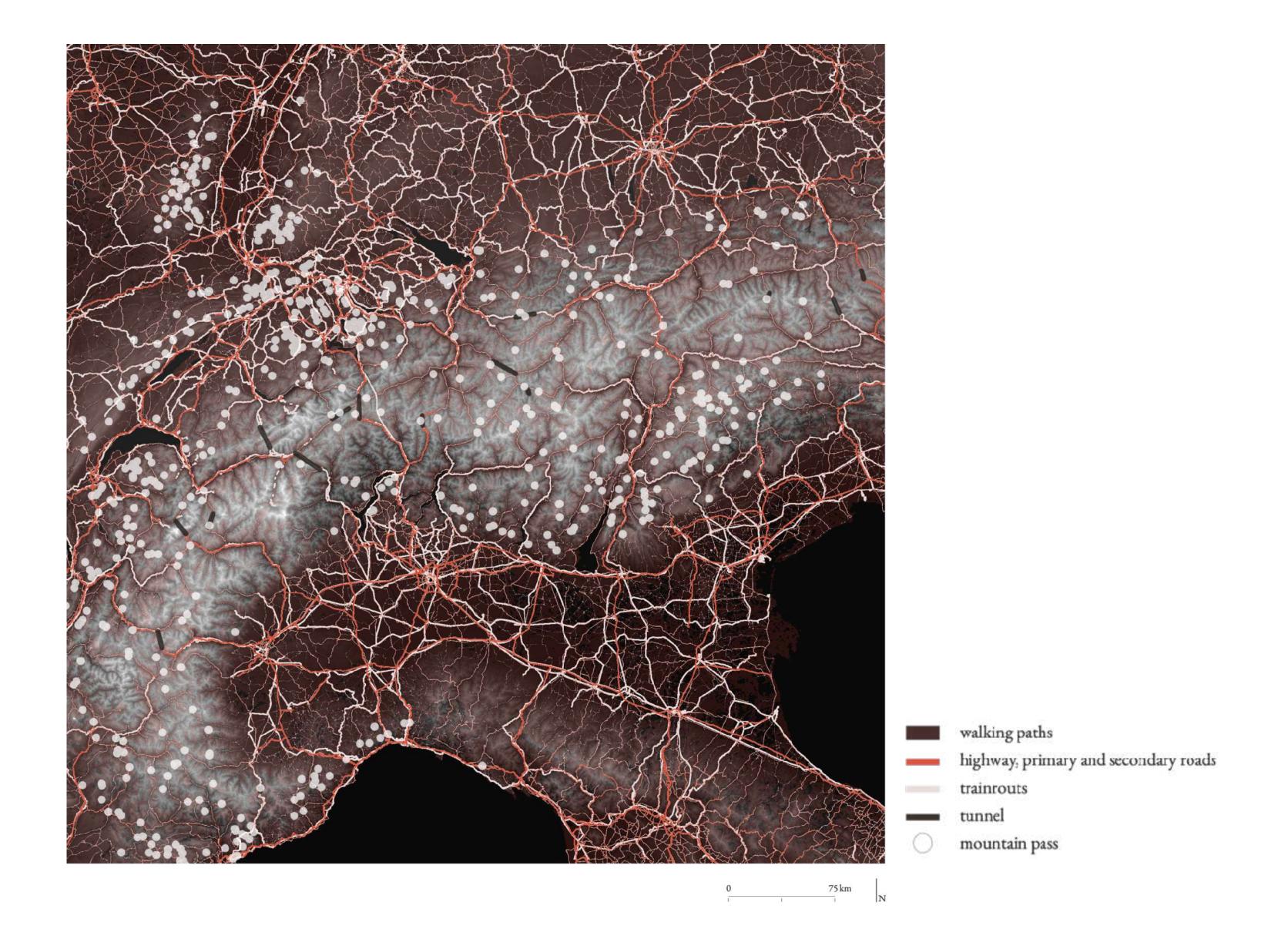


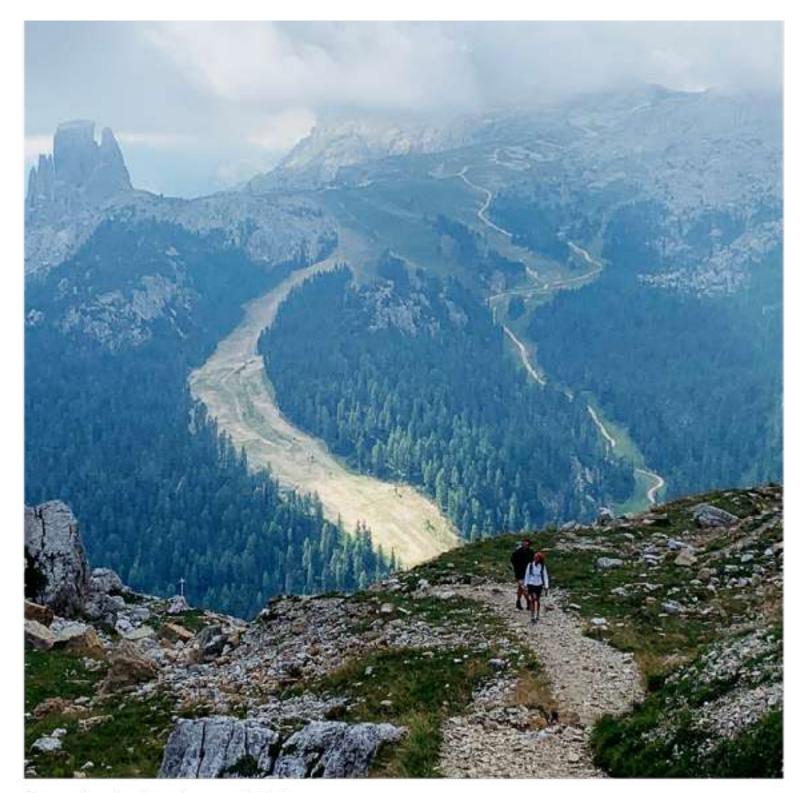






Hannibal crossing the Alps, 218 BC Tancredi Scarpelli (1866-1937)





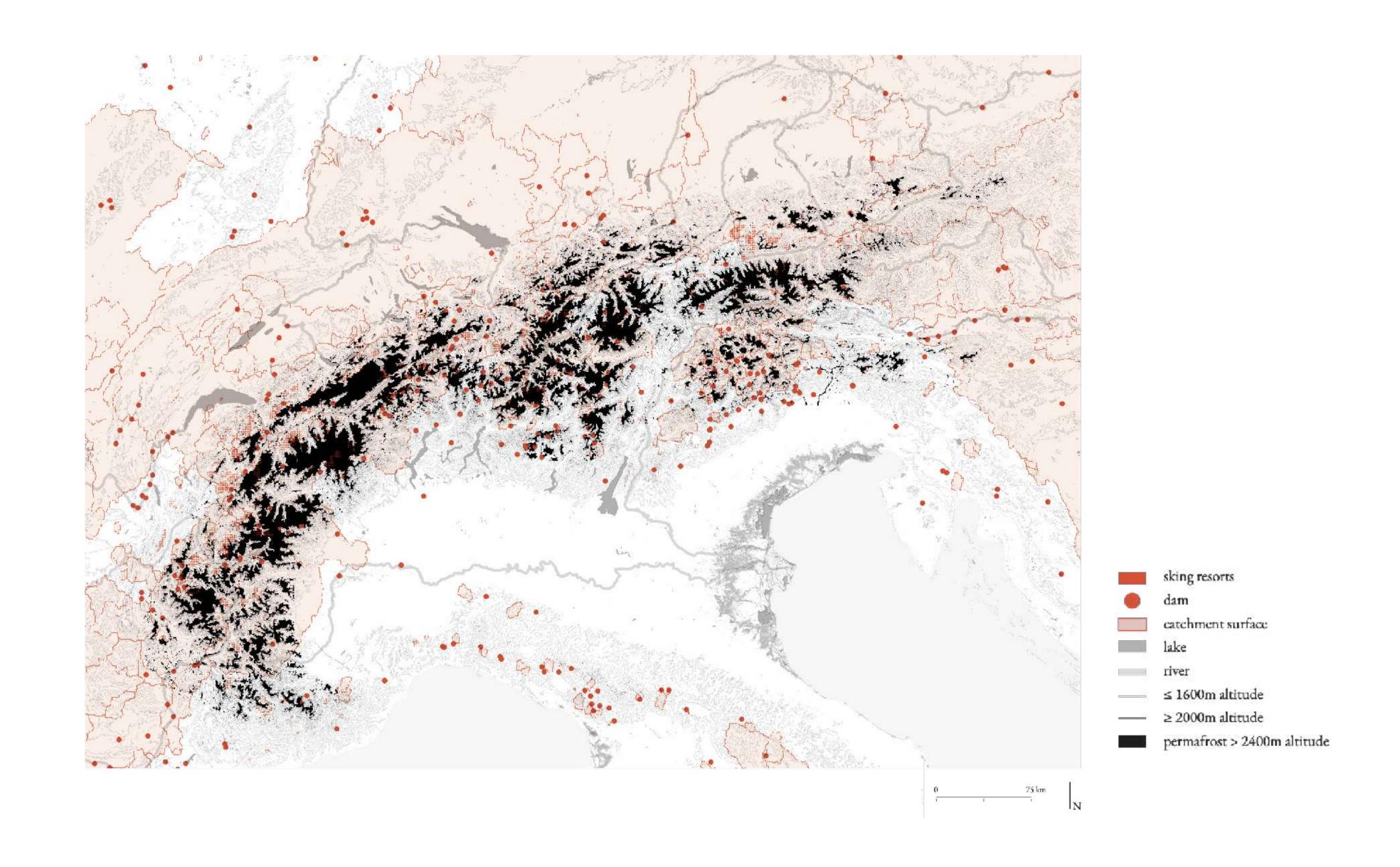
Scars in the landscape, 2022 Dolomites, Italy

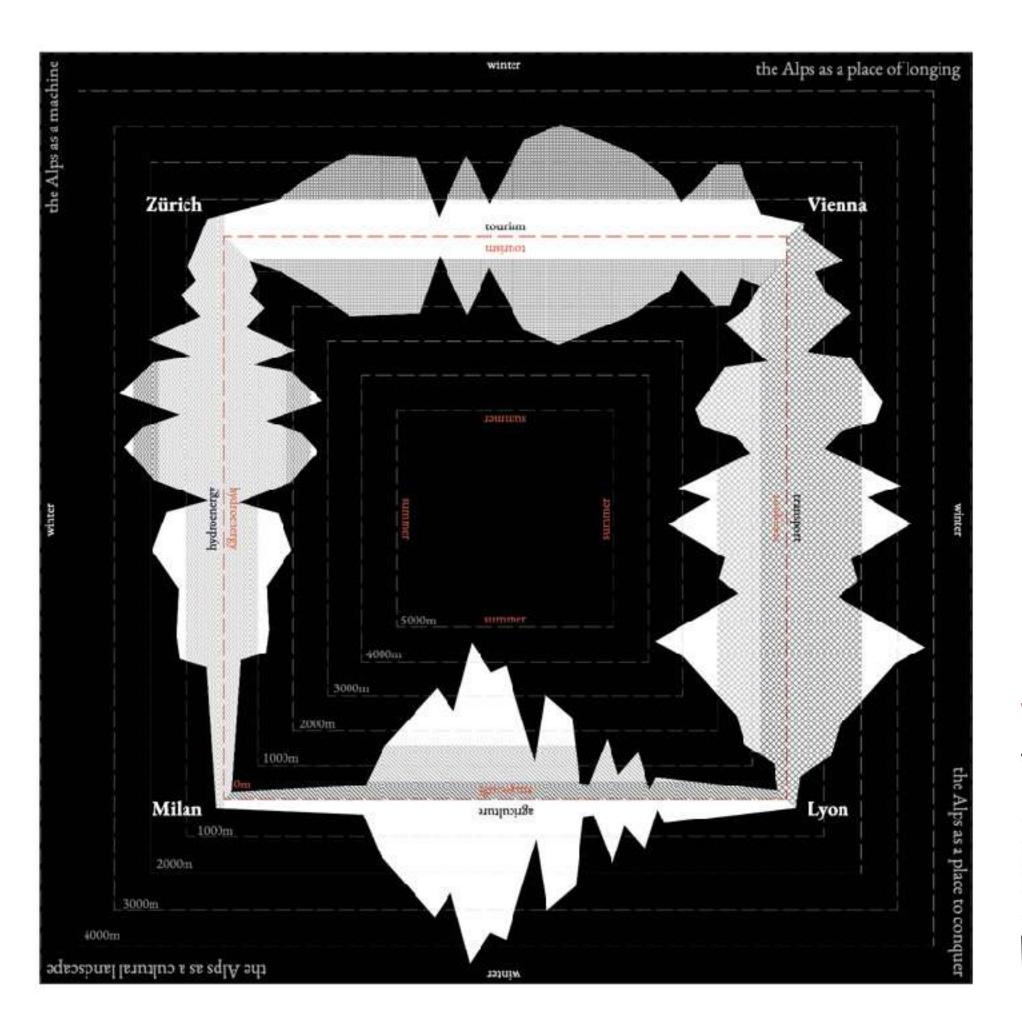


Ski Arlberg pist plan, 2021 Arlberg, Austria



Dammed river in Switzerland (Jérémy Toma)





--- 0m line and division between summer and winter

--- altitude in meters

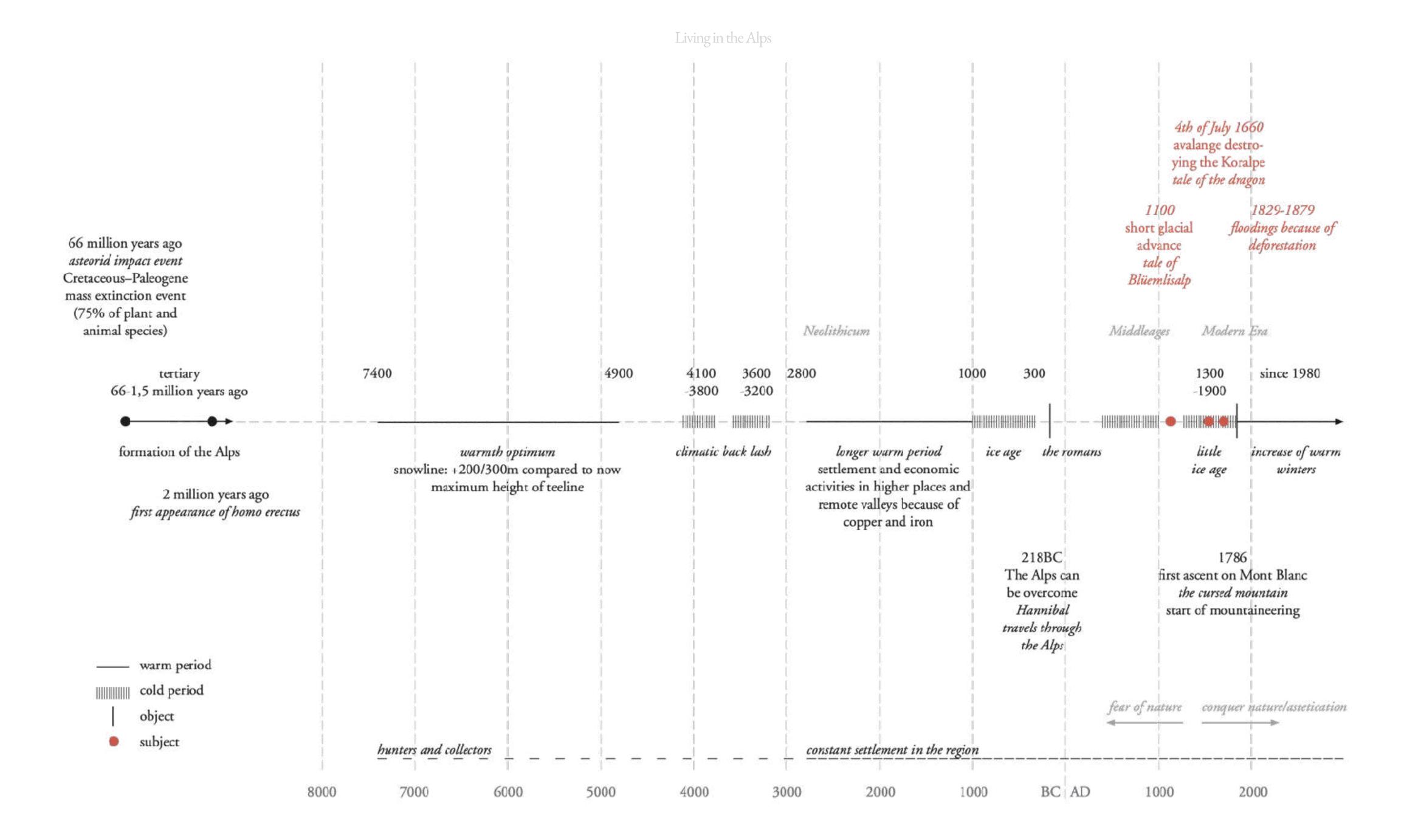
activities

transport

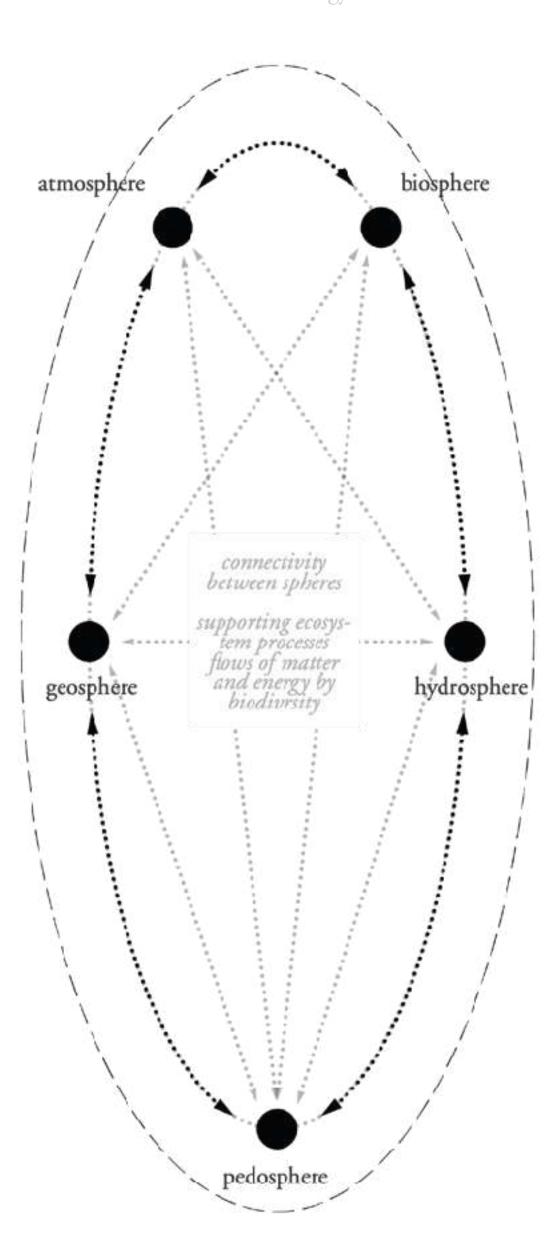
tourism hydroenergy

agriculture

intensity of activity



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\triangle	DATE	COCHOLOGI
	IIC VV	cosmology



"One has no claim on landscape, just as one has no claim on people. There is no claim. You simply have to understand that you are part of the whole. As soon as one formulates a claim, I place myself above the object. And that is, I think, what we are doing now."

Ernst Partl, manager of the Kaunergrat Naturpark

methodology – research question

In light of historical <u>objectification</u> and increasing pressure on the body of the Alps due to global and local changes,

how can the emerging "new order" of the Kulturlandschaft be formed by the Alps as an active subject?

methodology – research question

Objectification

How have the Alps been manipulated, appropriated and colonized over time and how did it change their identity and agency?

Global Changes

How will the current vertical and horizontal borders and thresholds change due to climate change?

What are the environmental, cultural, economic and spatial consequences of temperature rise?

In light of historical <u>objectification</u> and increasing pressure on the body of the Alps due to global and local changes,

how can the emerging "new order" of the Kulturlandschaft be formed by the Alps as an active subject?

Methods

What methods can be used and/or developed throughout this project to aid listening to more-than-human subjects present in the Alps?

Objective

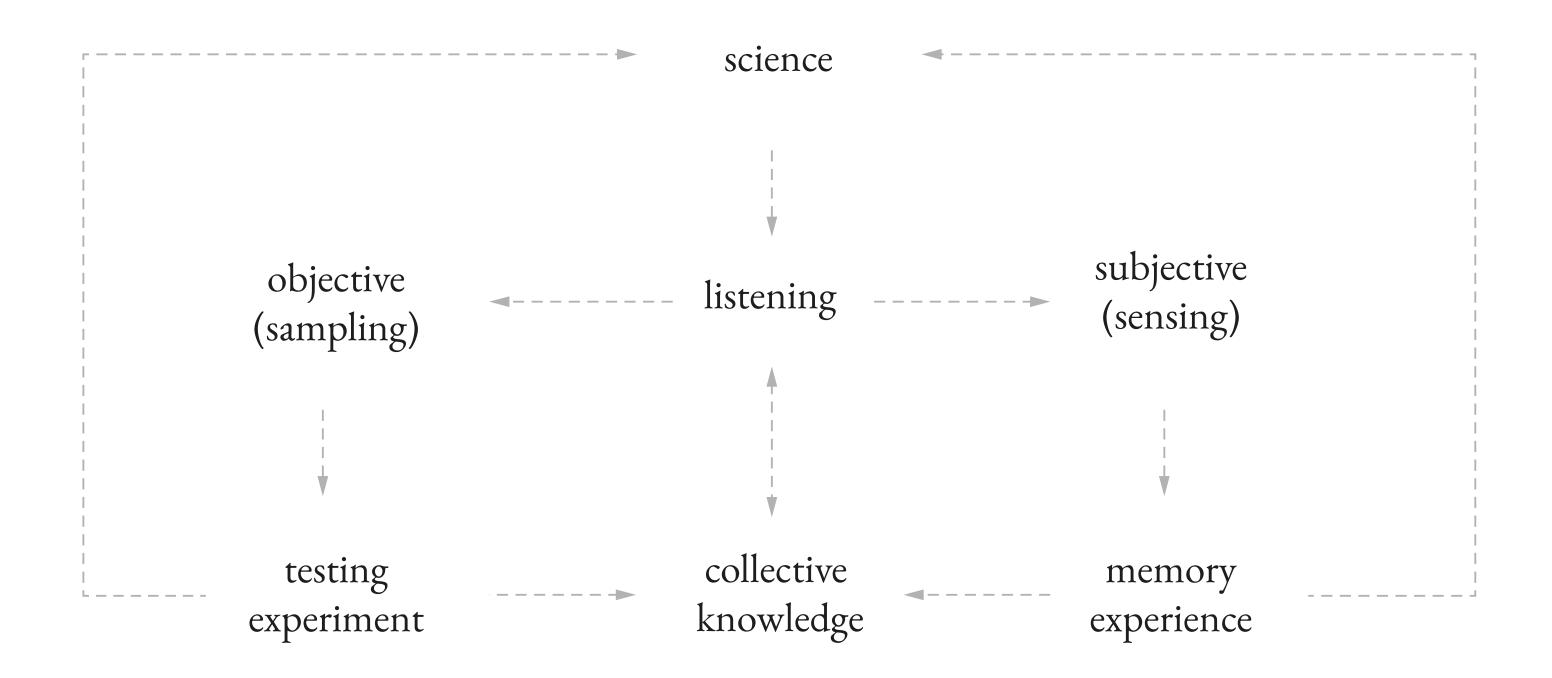
What are the spatial, cultural, environmental and economic implications if one projects the findings of the natural identity of the Alps onto their territory?

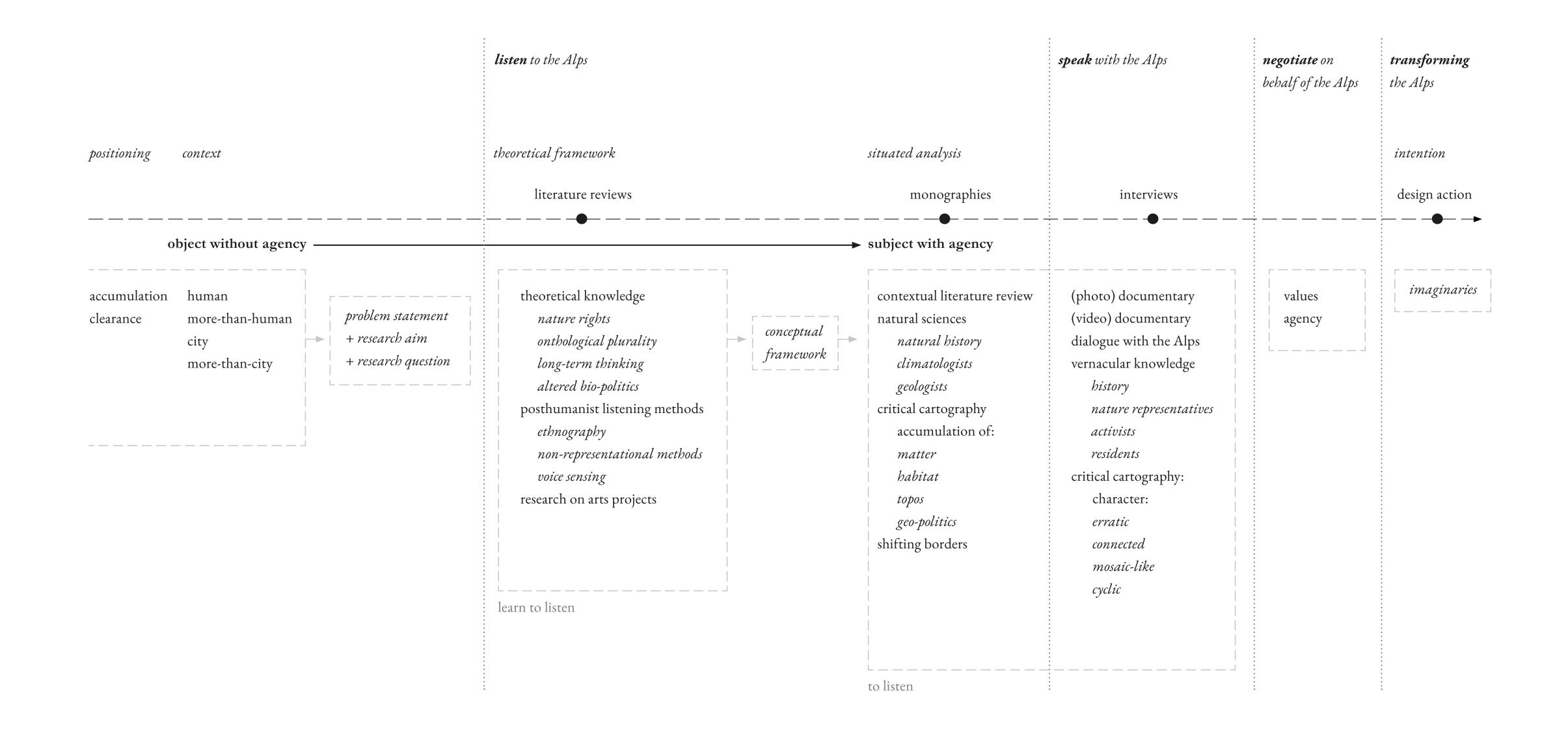
listening to the Alps

methodology – research framework

"To listen to and tell a rush of stories is *a method*. And why not make the strong claim and call it a science, an addition to knowledge? Its research object is contaminated diversity; its unit of analysis is the indeterminate encounter. To learn anything we must revitalize arts of noticing and include ethnography and natural history."

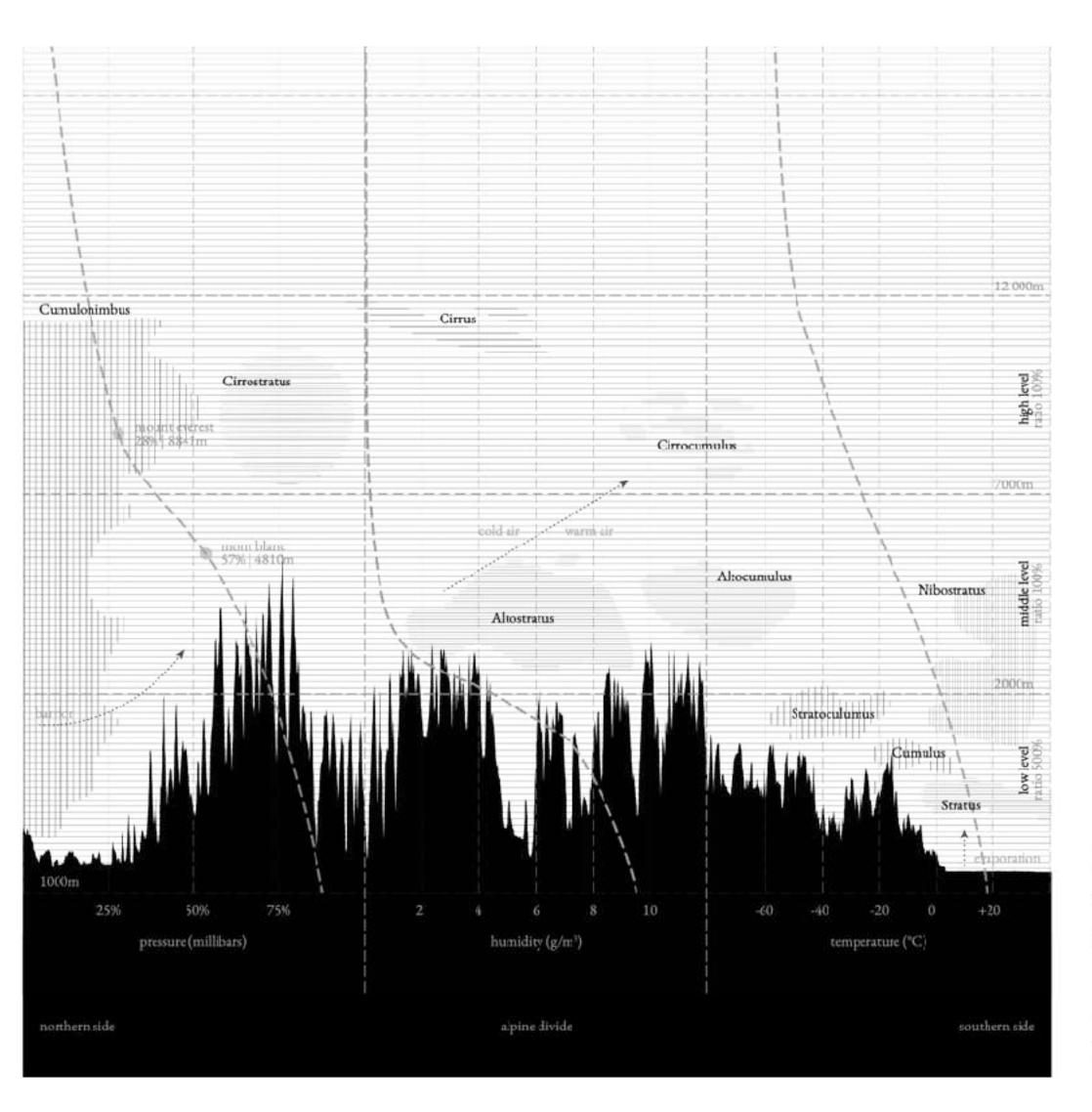
Anna L. Tsing (2021), in The Mushroom at the End of the World





listening – who are the Alps?

who are the Alps? agency in the web of life



Descriptions of clouds

Stratus/strato: flat/layered and smooth

Cumulus/cumulo: heaped up/puffy, like cauliflower

Cirrus/cirro: high up/wispy

Alto: medium level

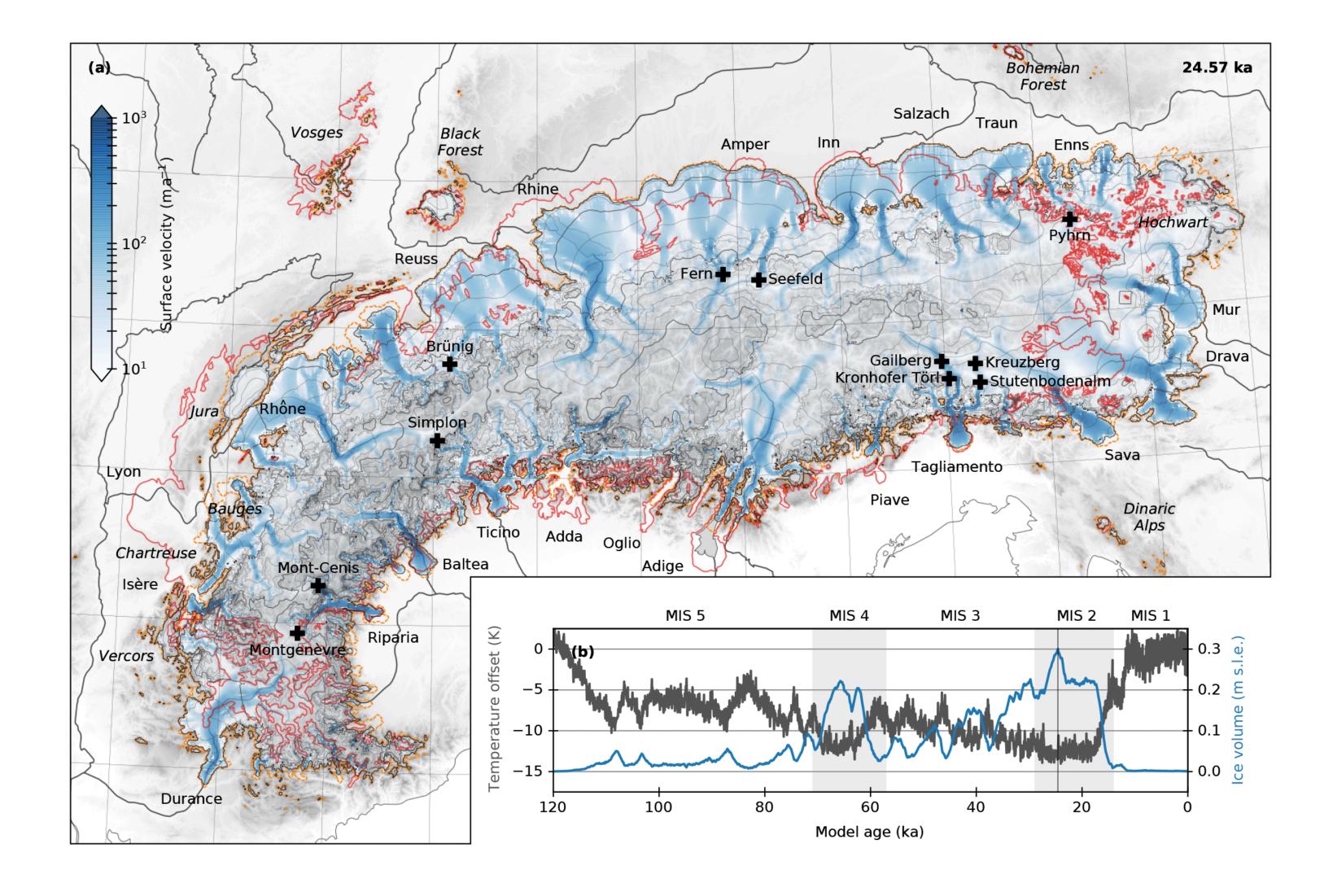
Nimbus/Nimbo: rain-bearing cloud

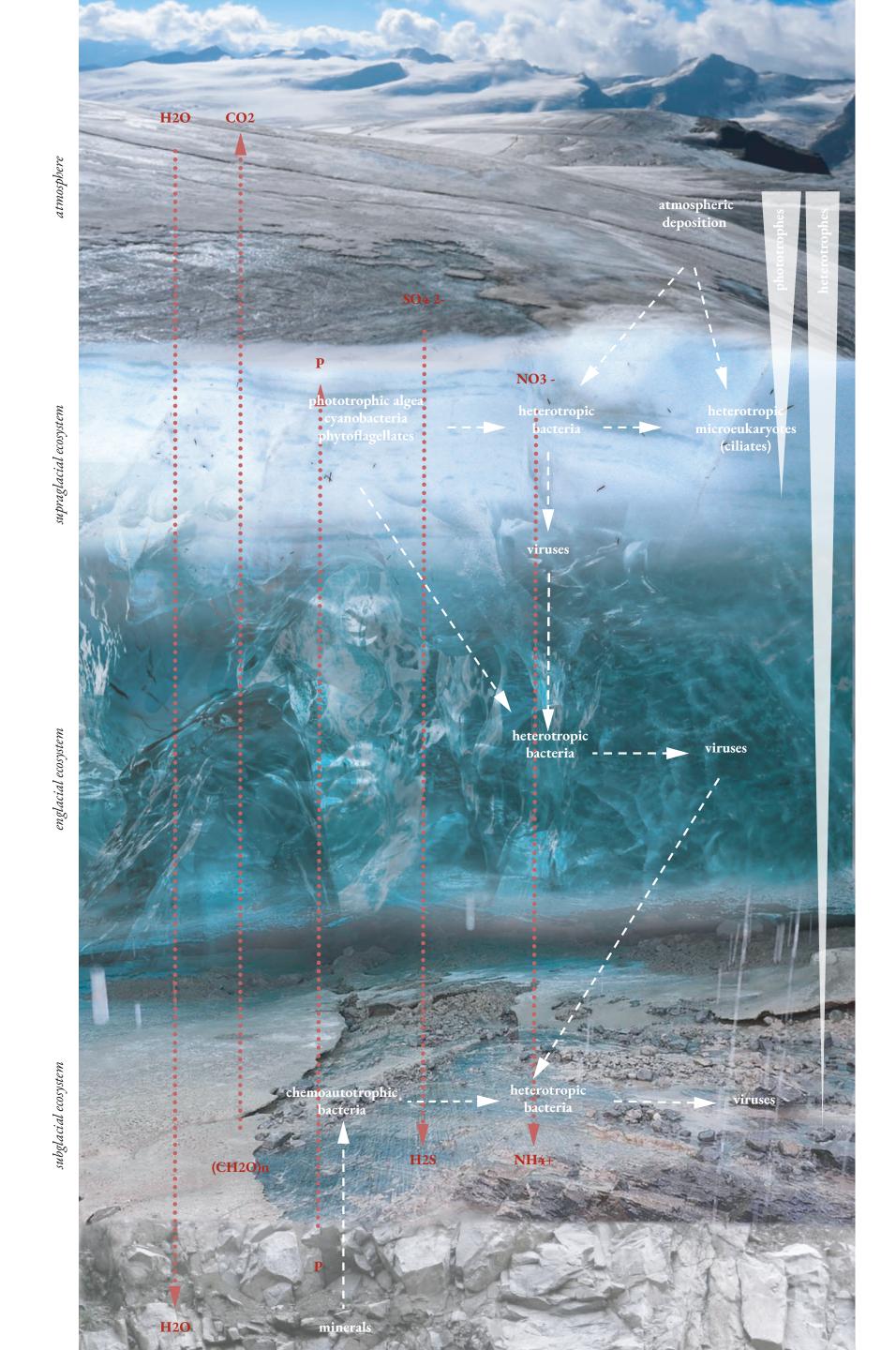




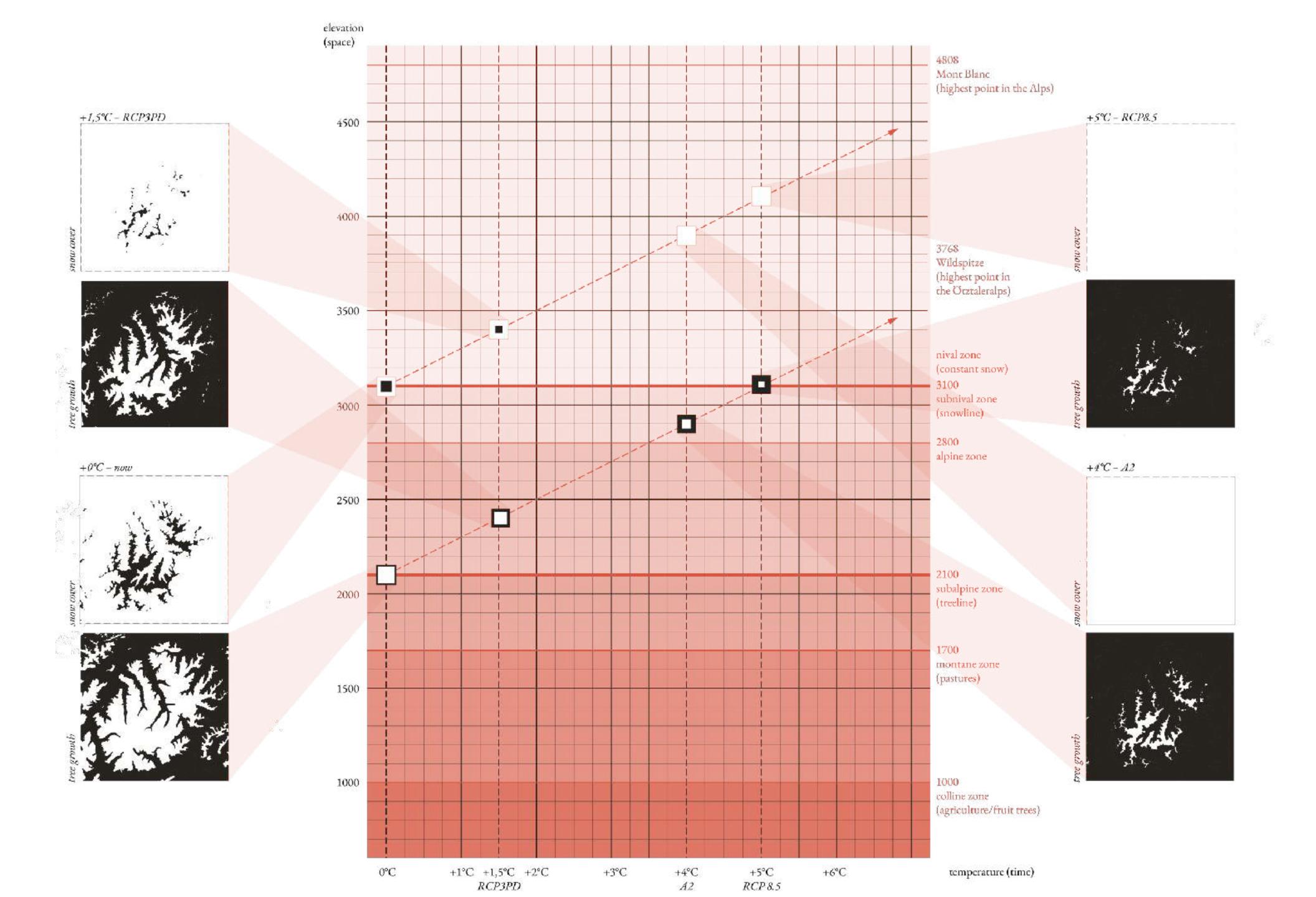


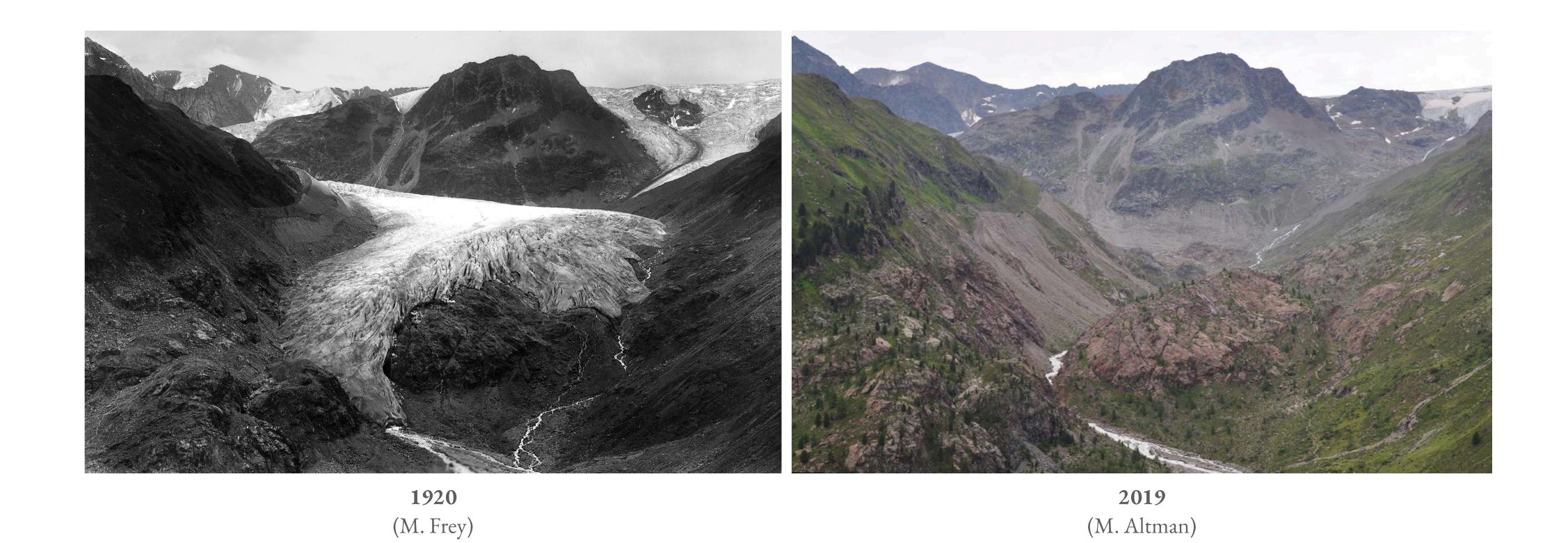




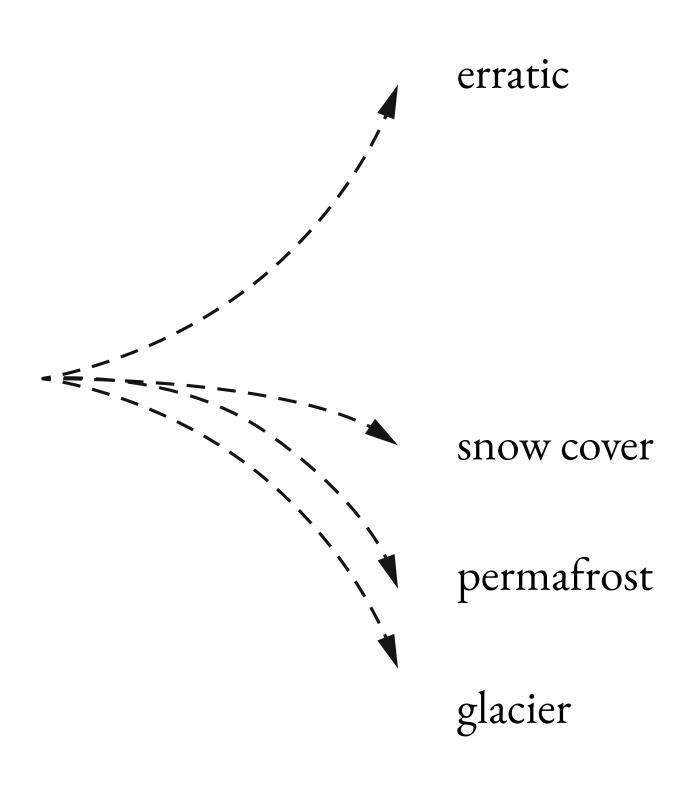


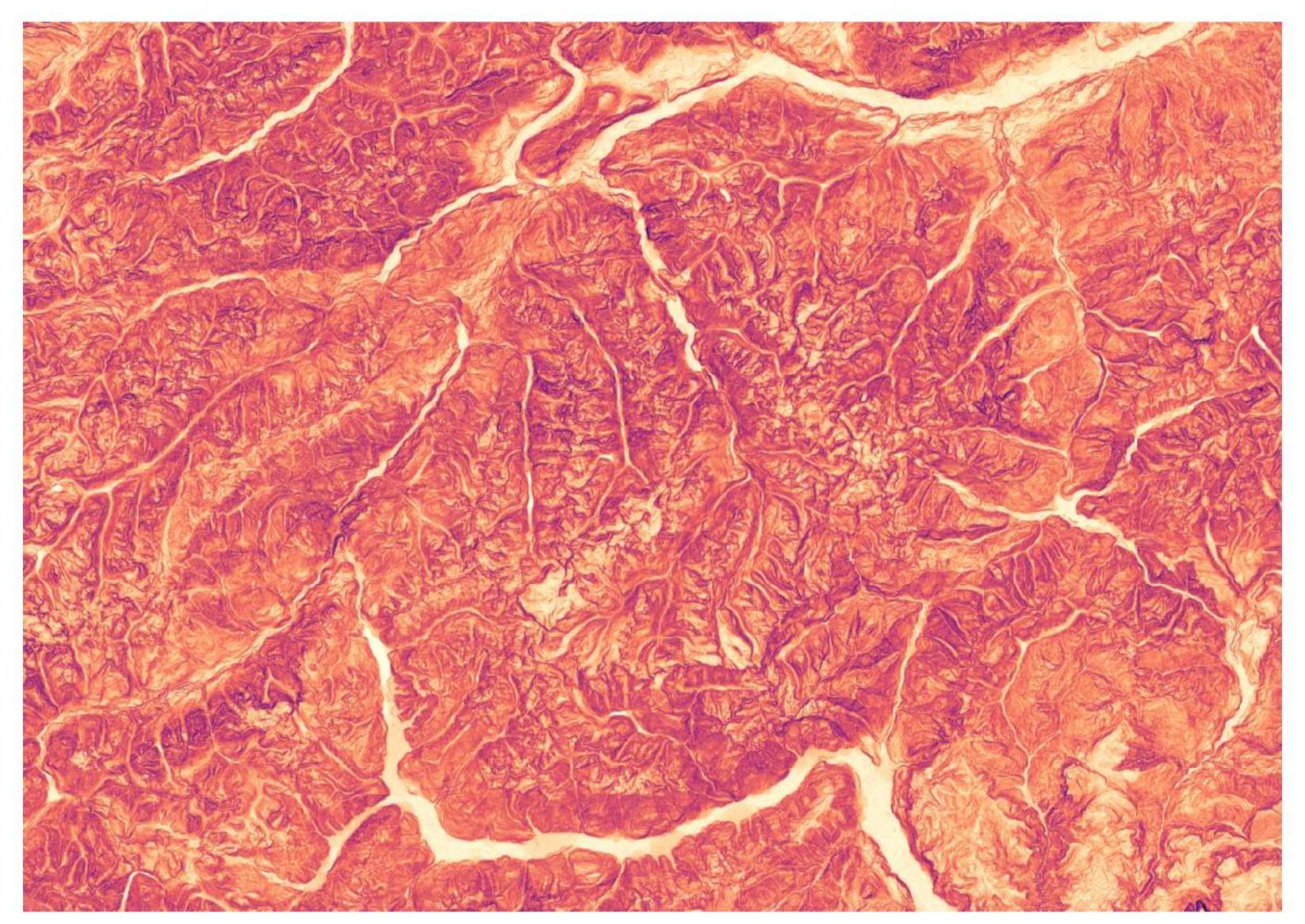
Visualization of the glacial ecosystems of the Gepatsch glacier in the Ötztaler Alps through descriptions in: Garcia-Lopez, E., & Cid, C. (2017). Glaciers and Ice Sheets As Analog Environments of Potentially Habitable Icy Worlds. Frontiers in Microbiology, 8

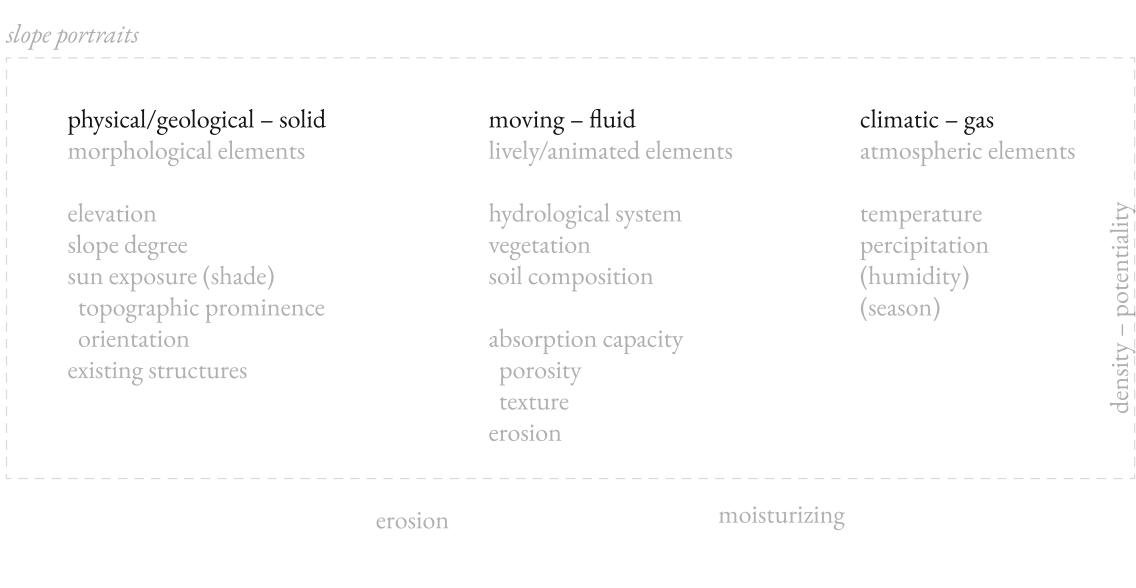


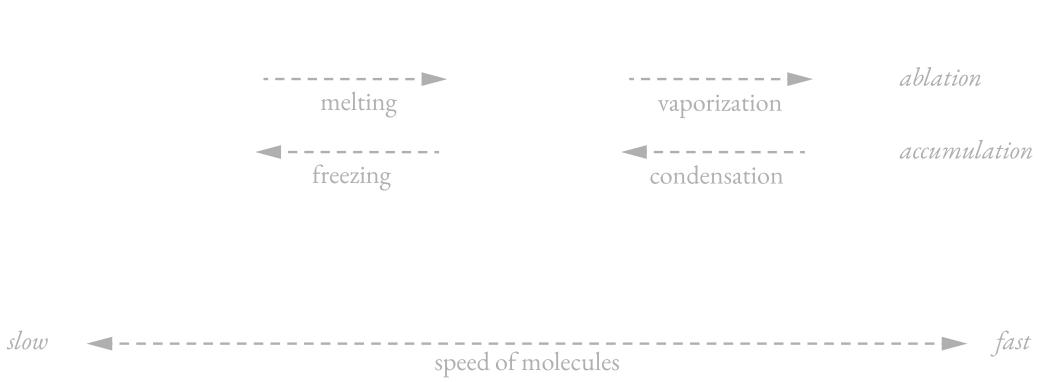


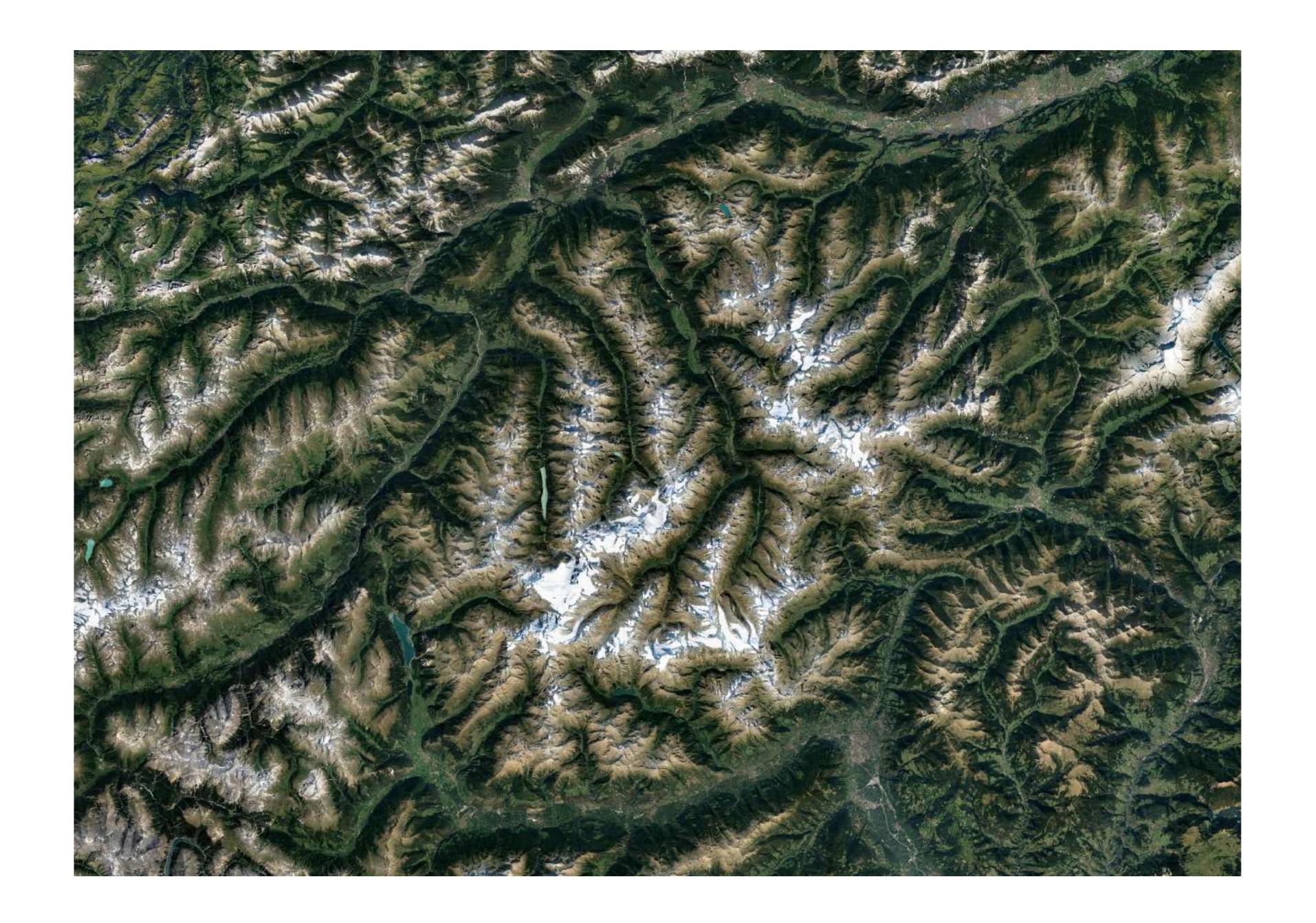
loss of solid state of water



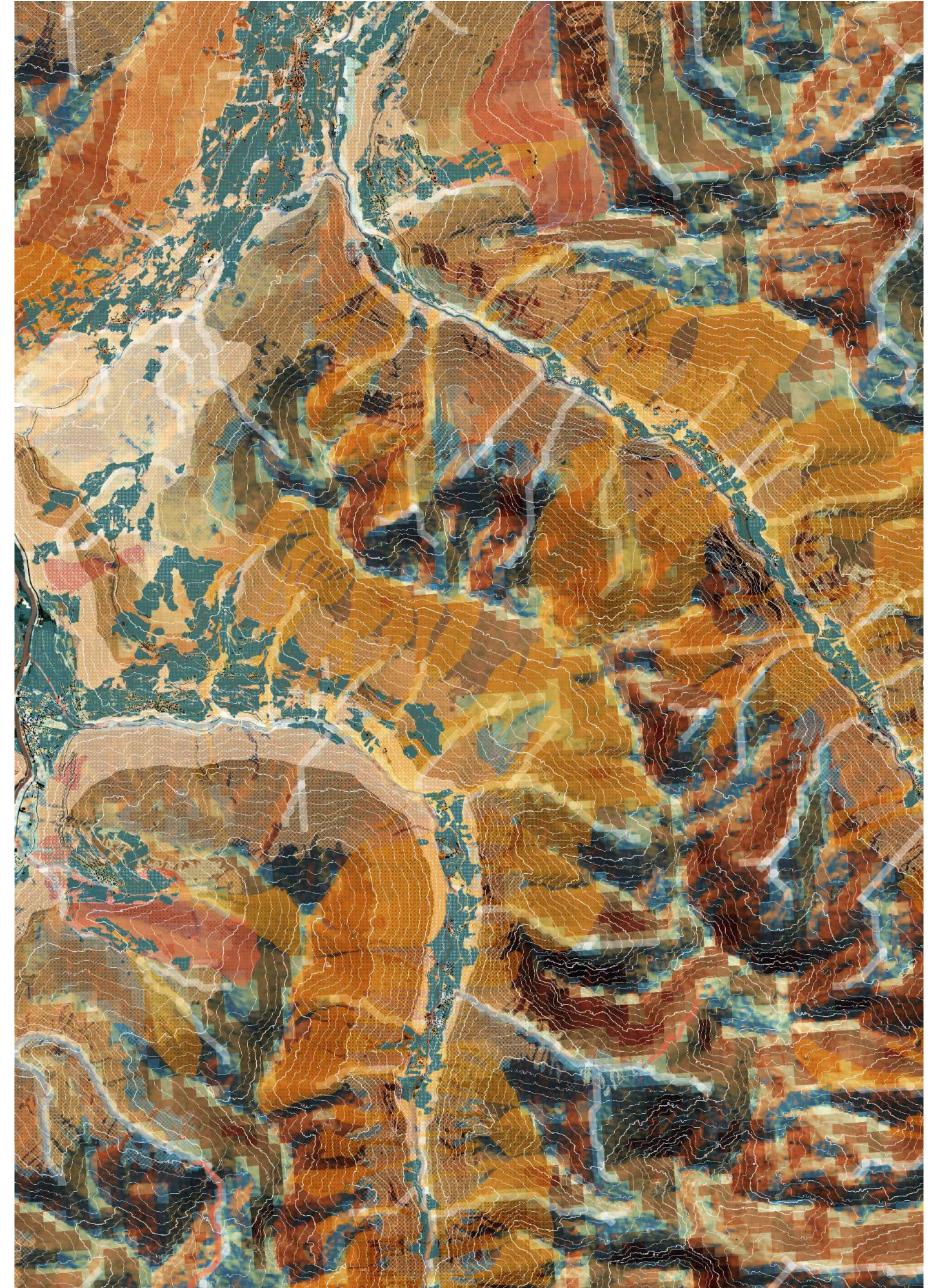


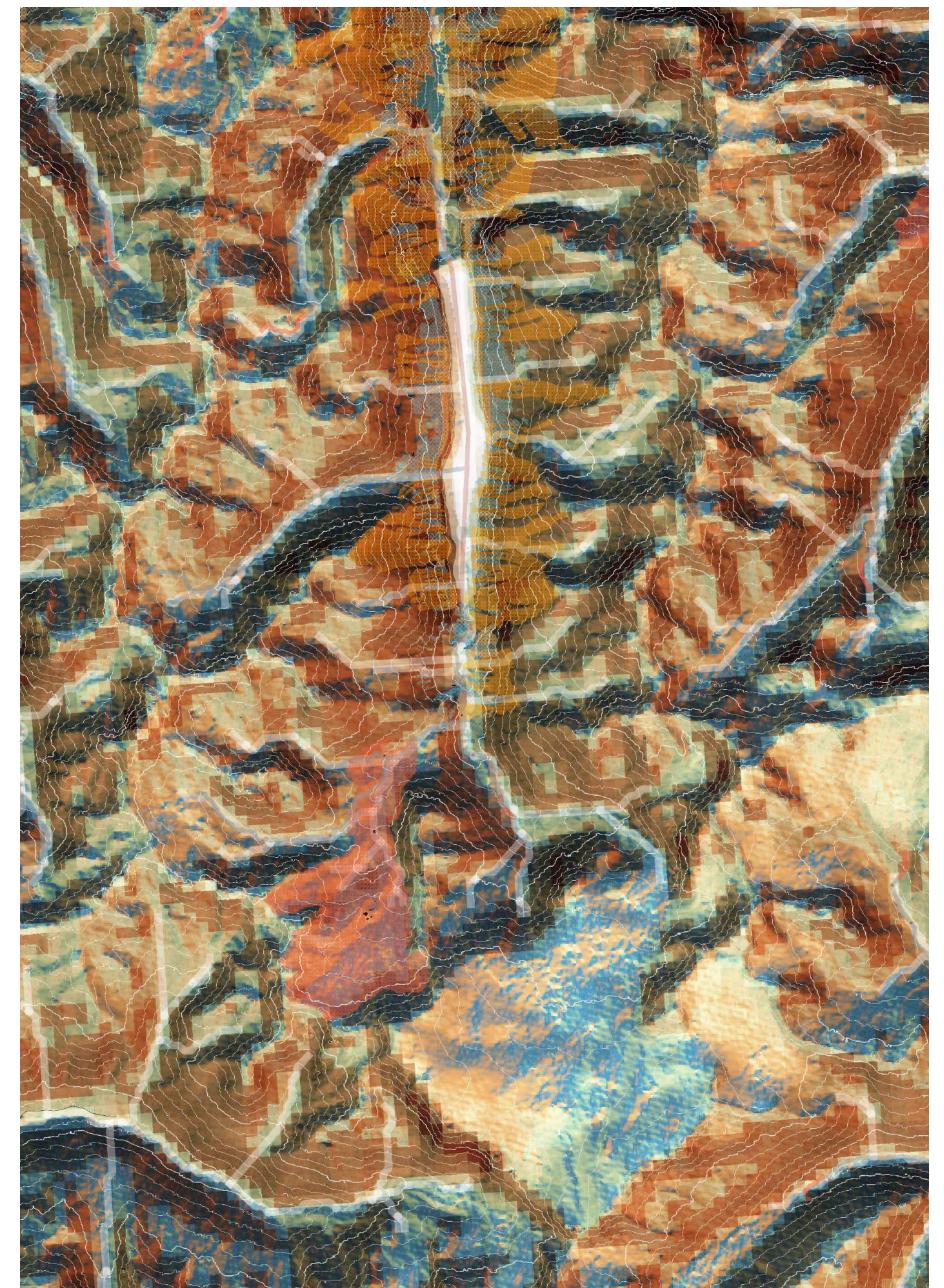












Slope portrait

Kaunertal valley, Austria

Solid elements

slope degree <5

5-15

15-30 30-45

>45

slope degree

orientation

North

East West

South

height line (500m)
height line (100m)

— truck road primary road

— secondary/tertiary road

building

Fluid elements

river

river morphology

— natural

nearly natural

obstructed

far from natural

flood zones or agricultural land

avalanche cone

skiing resort

spruce forest
green alder bush/-forest

crooked wood stock

larch forest/meadow

softwood meadow

pine forest

protective forest out of yield

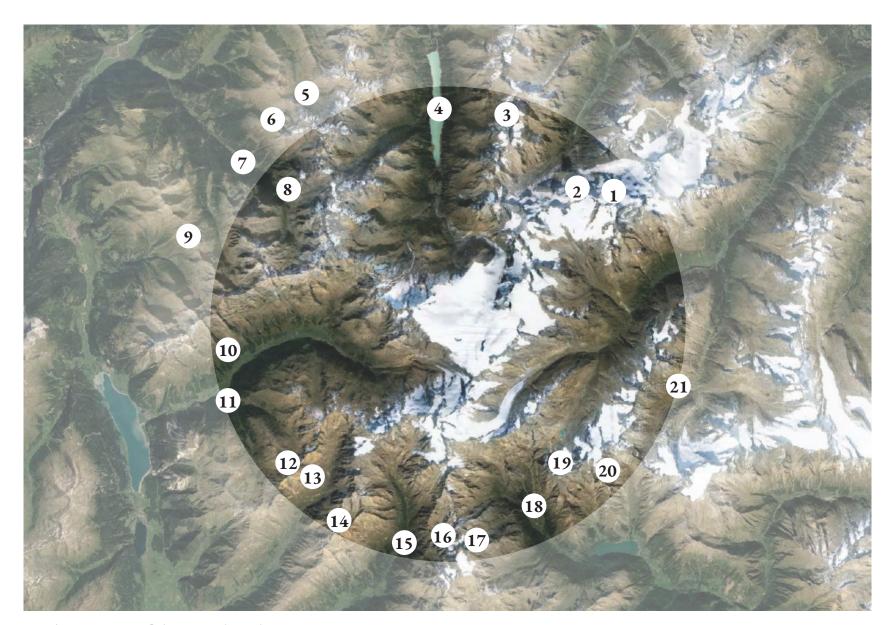
protective forest out of yield – crooked wood

protective forest in yield

commercial forest – medium protective capacity

commercial forest

natural monument Biotope



220 | Locations of the spatial quality axonometries





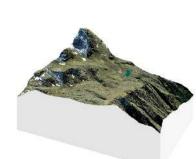
7 Wildmoos pasture



10 Melago lakes



13 Planeiltal delta



16 Lagaunspitze lake landscape



19 Maso Corto skiing resort



8 Wildnörderer



9 Nauderer - Tscheybach





pastures



14 crest between Planeiltal and Matschertal



17 Lagaunspitze Maso Corto oriented



20 Ötzi the ice man place of discovery



12 Tiergartenspitze catchment



15 Matschertal pasture

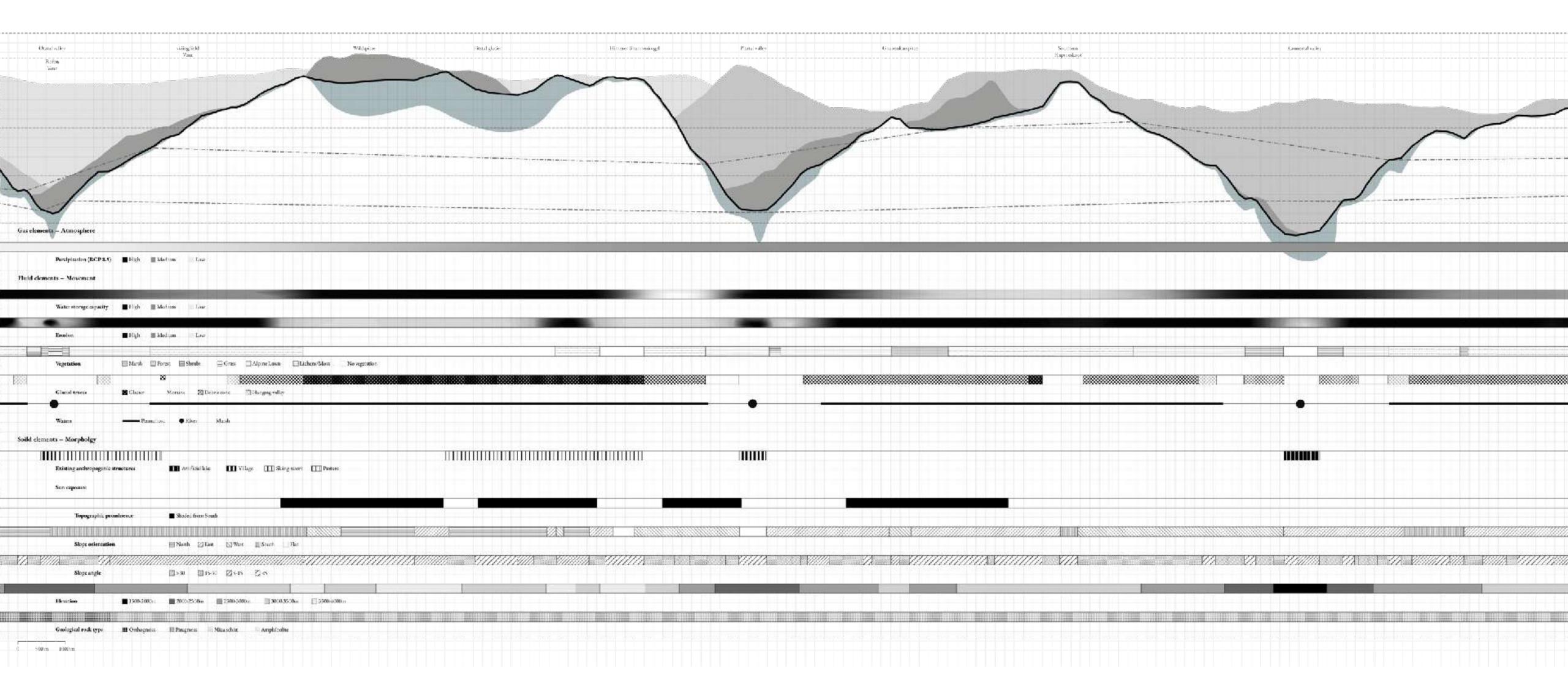


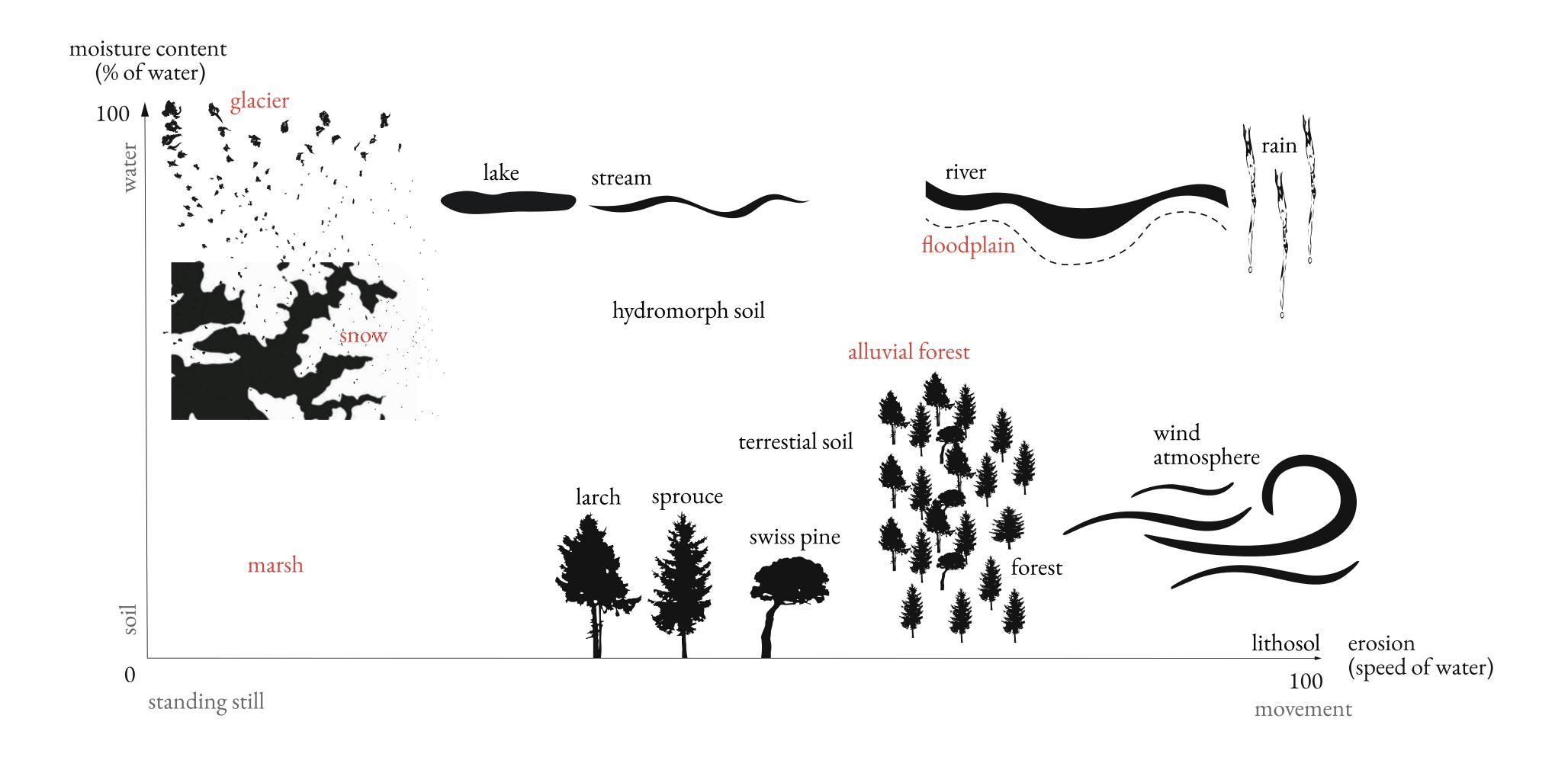
18 Maso Corto skiing resort valley



21 Kreuzkamm mountain crest, Niedertalbach stream









Shaping the Alpine Ocean

supporting

upwards shifting vegetation

retaining

run-off water

spreading

river beds

protecting

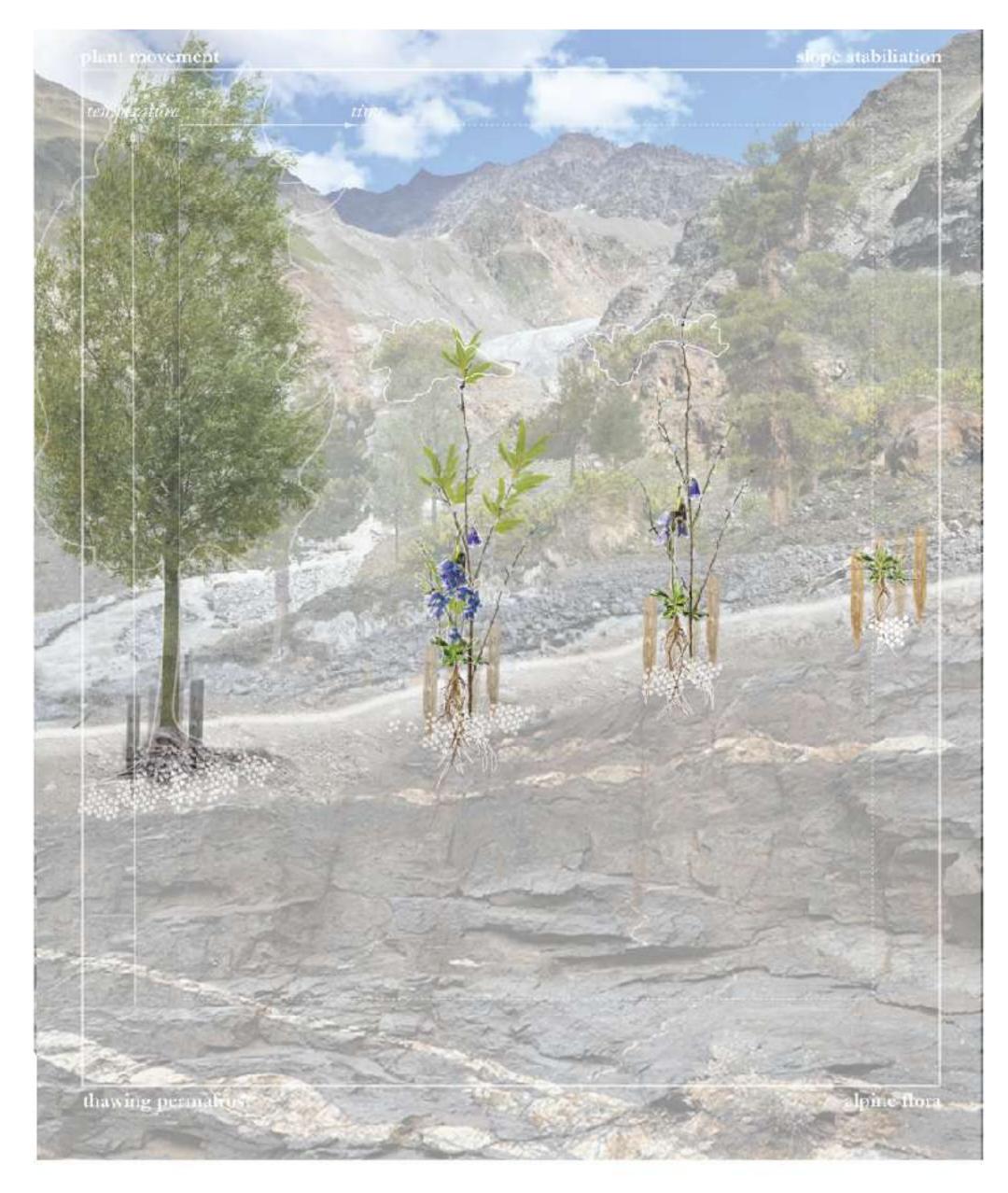
sedimentation deposits

reviving

industrial landscapes

preserving

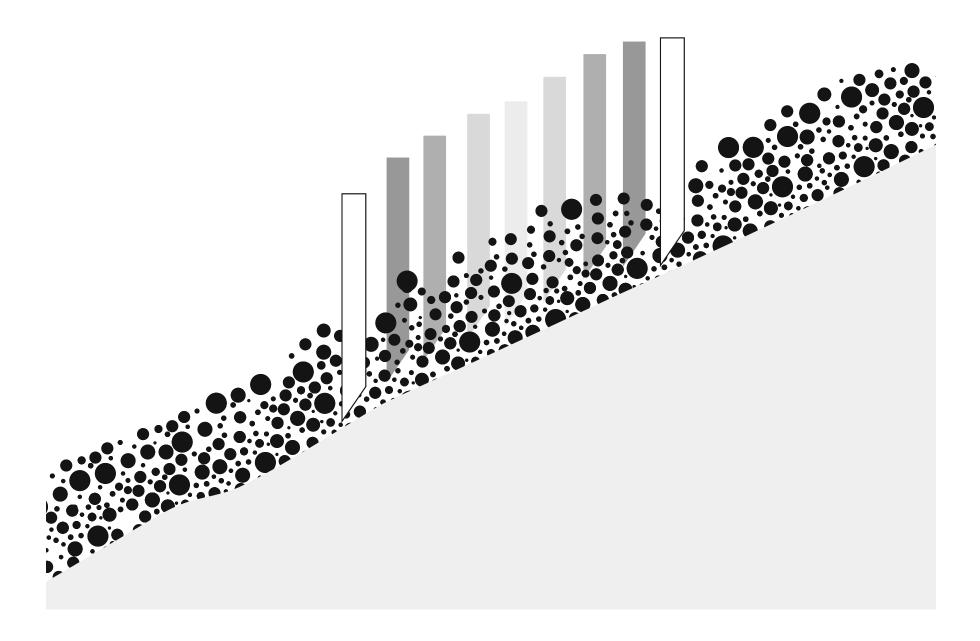
frozen freshwater



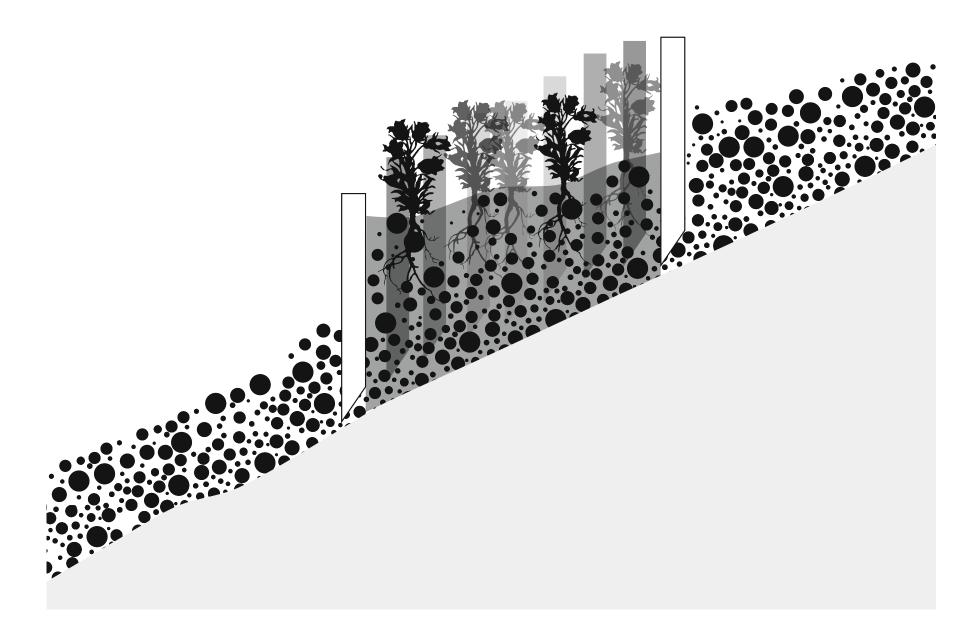
supporting

upwards shifting vegetation

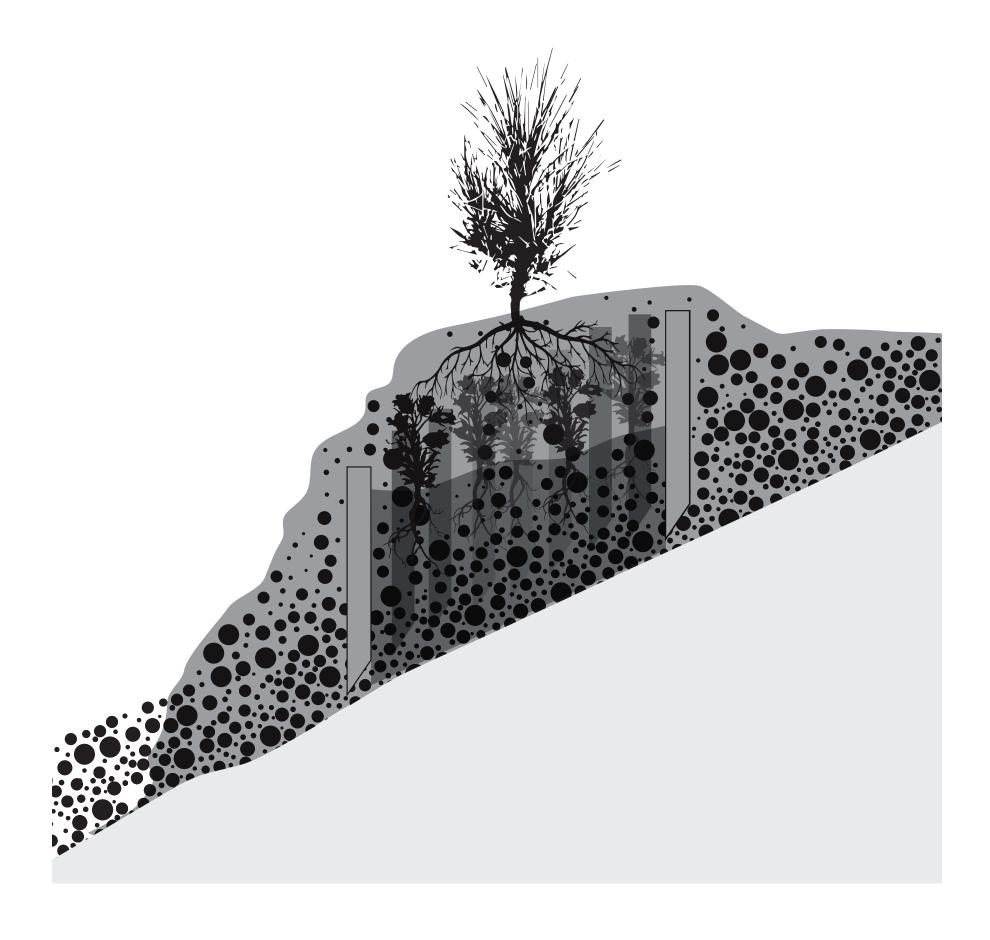




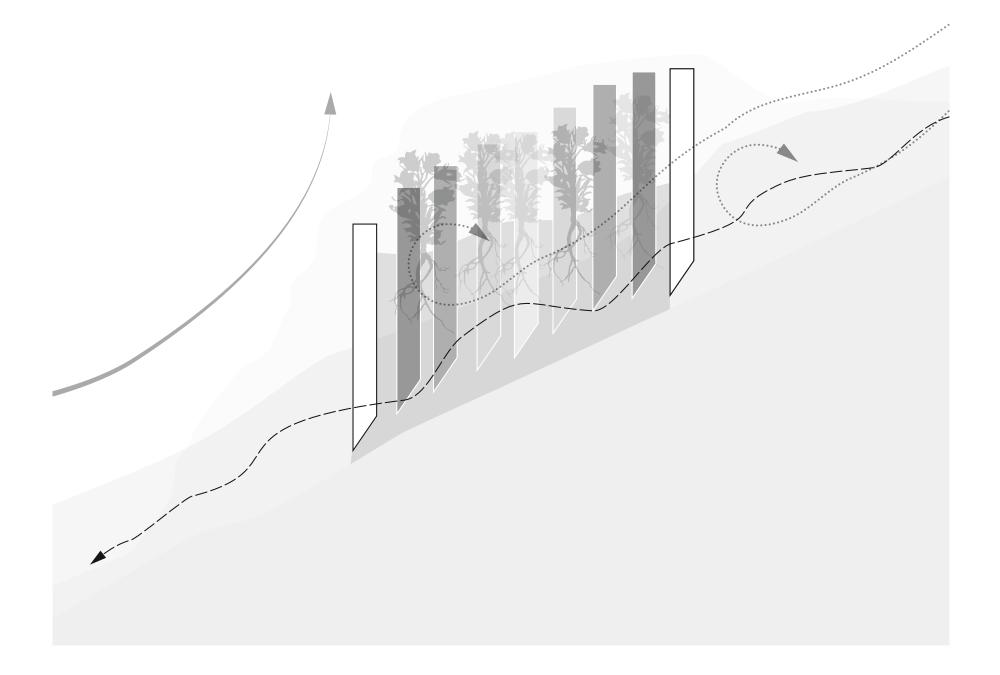


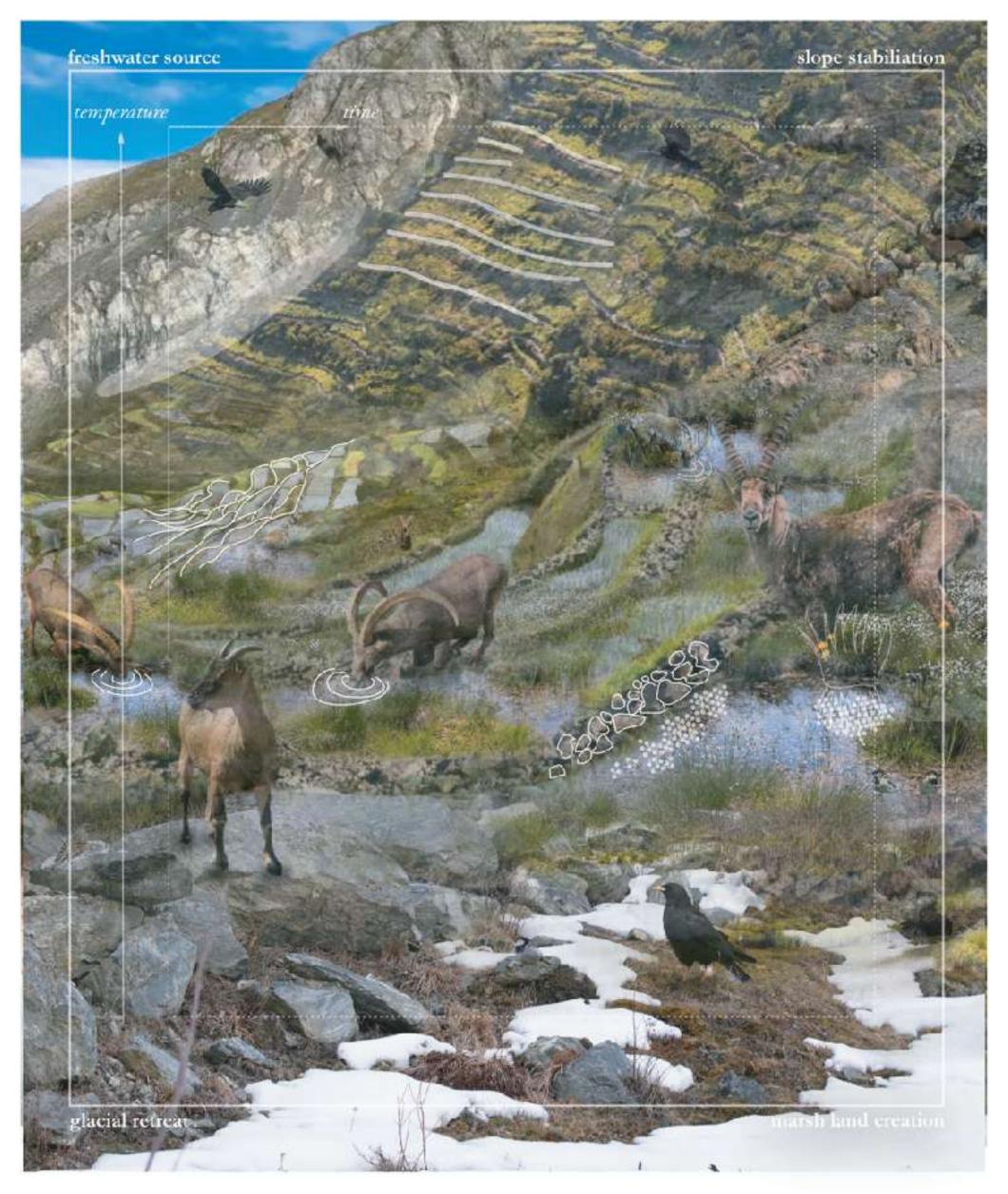






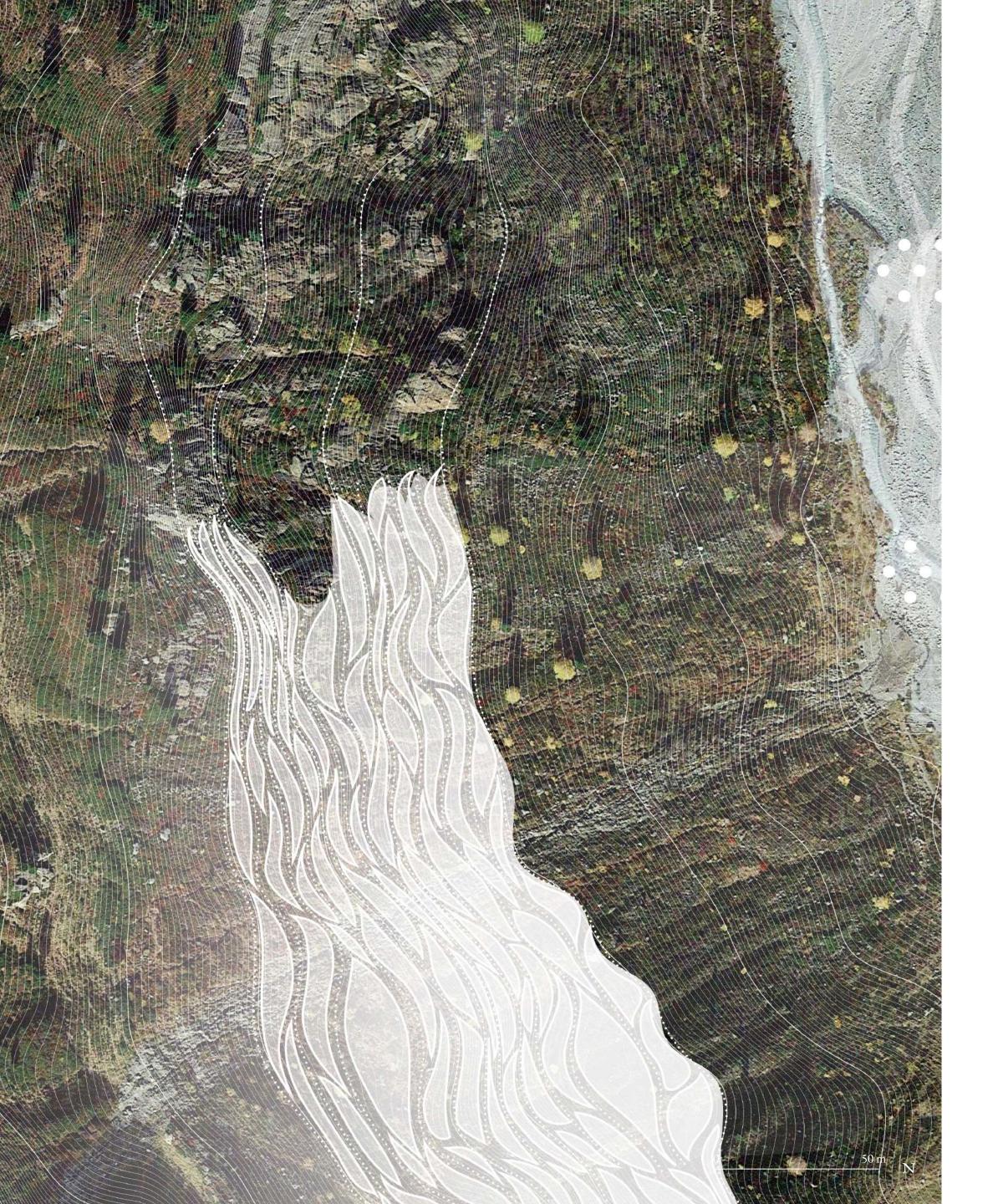


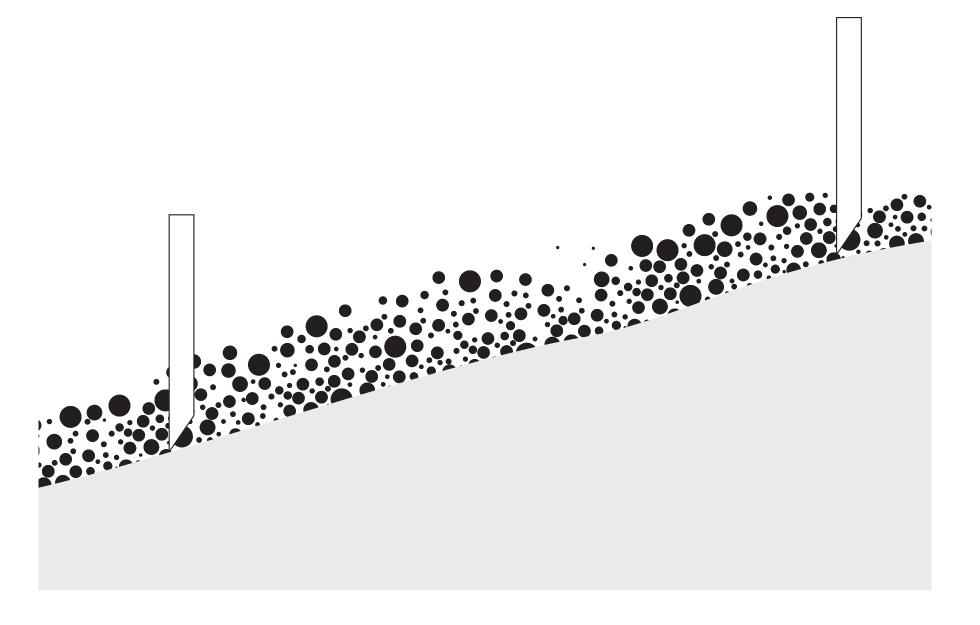


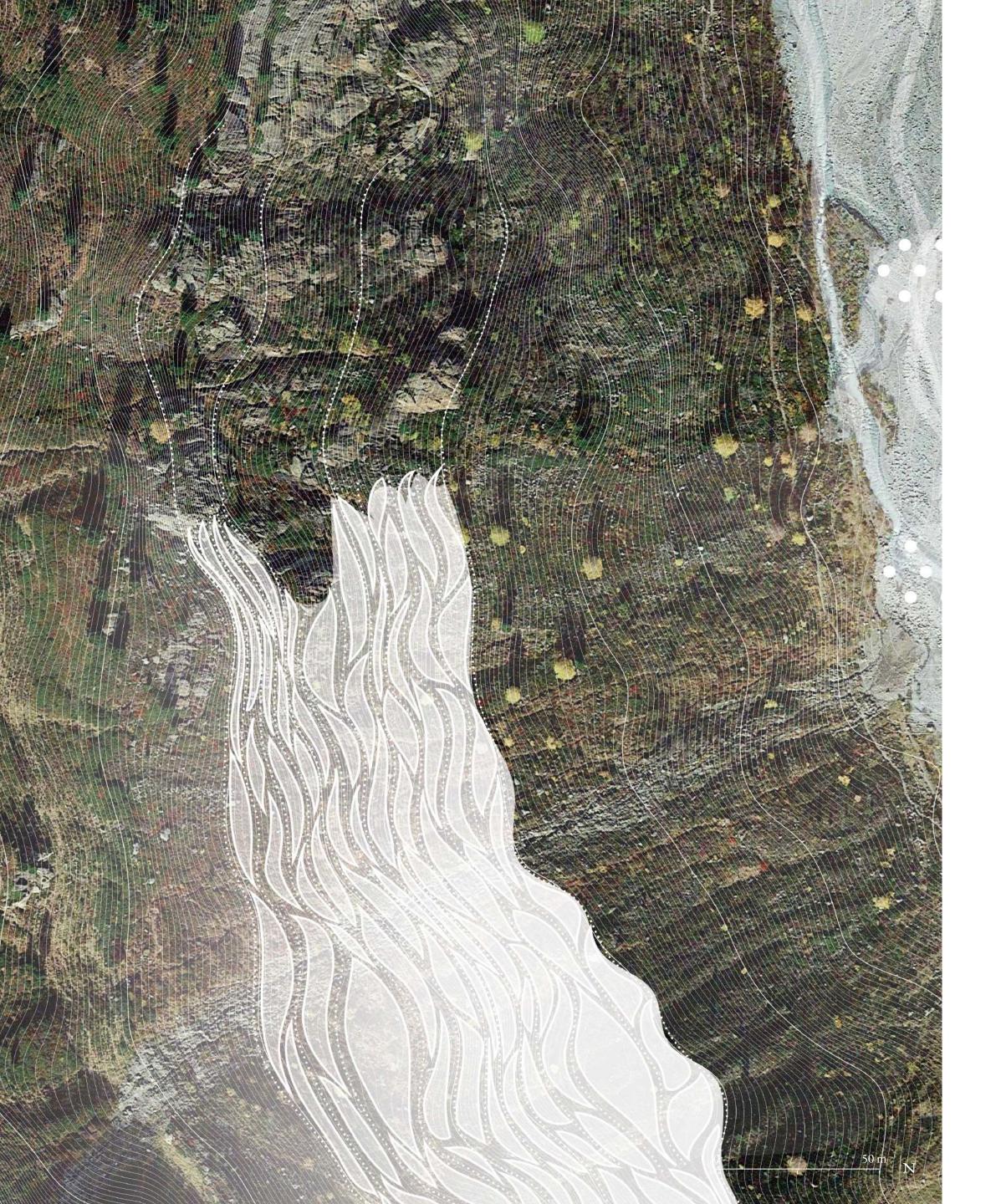


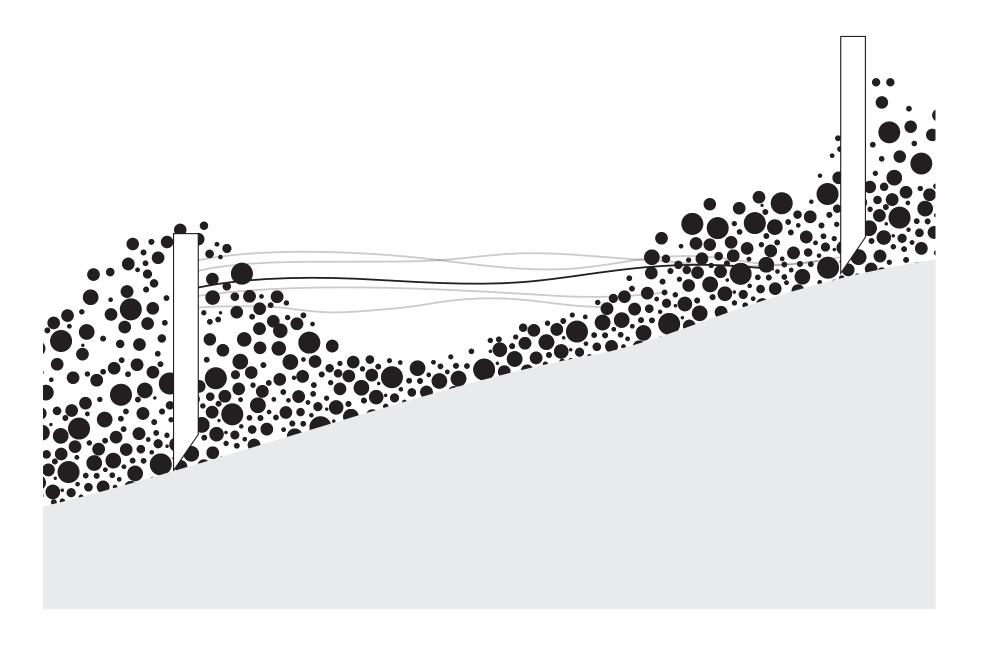
retaining

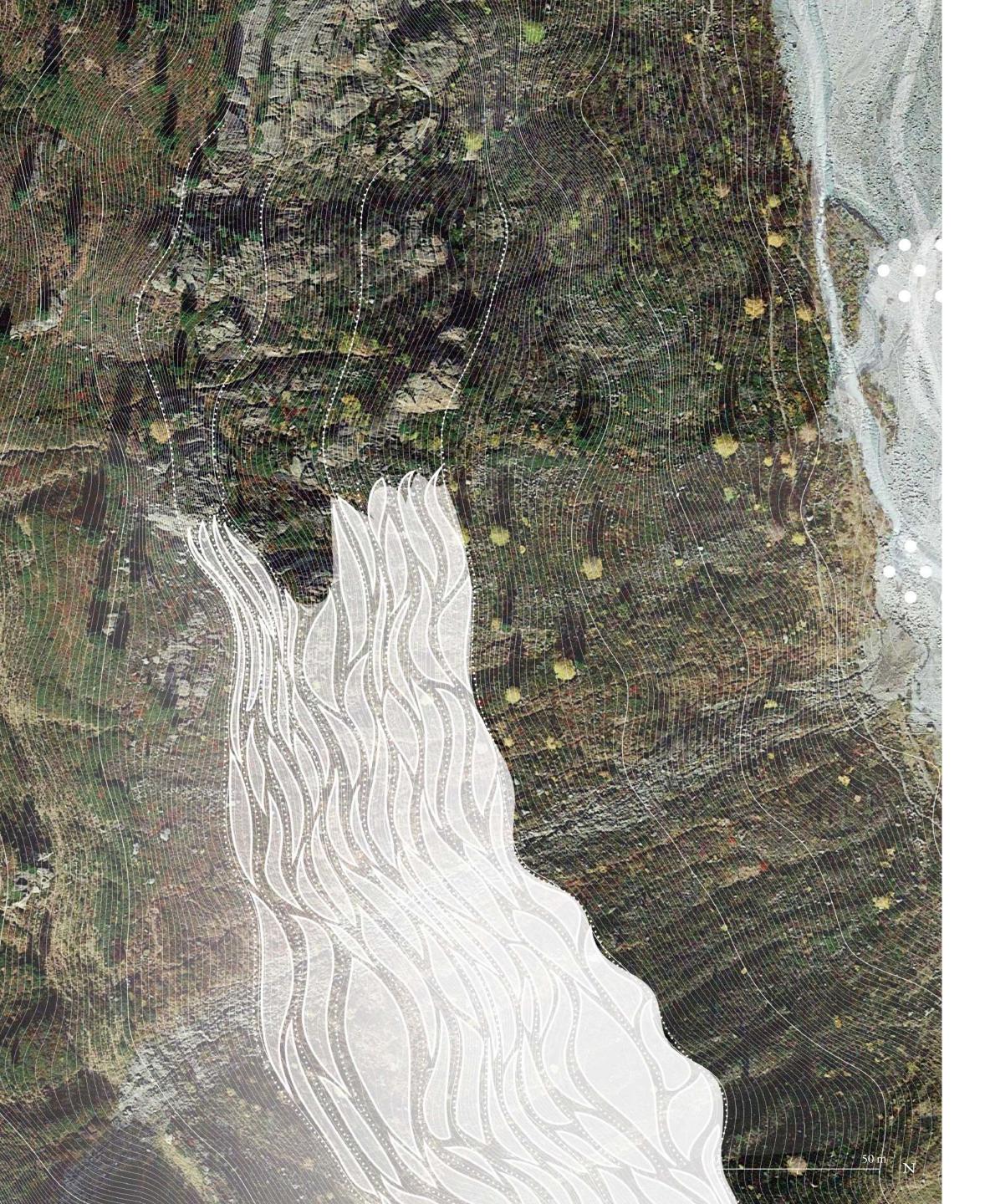
run-off water

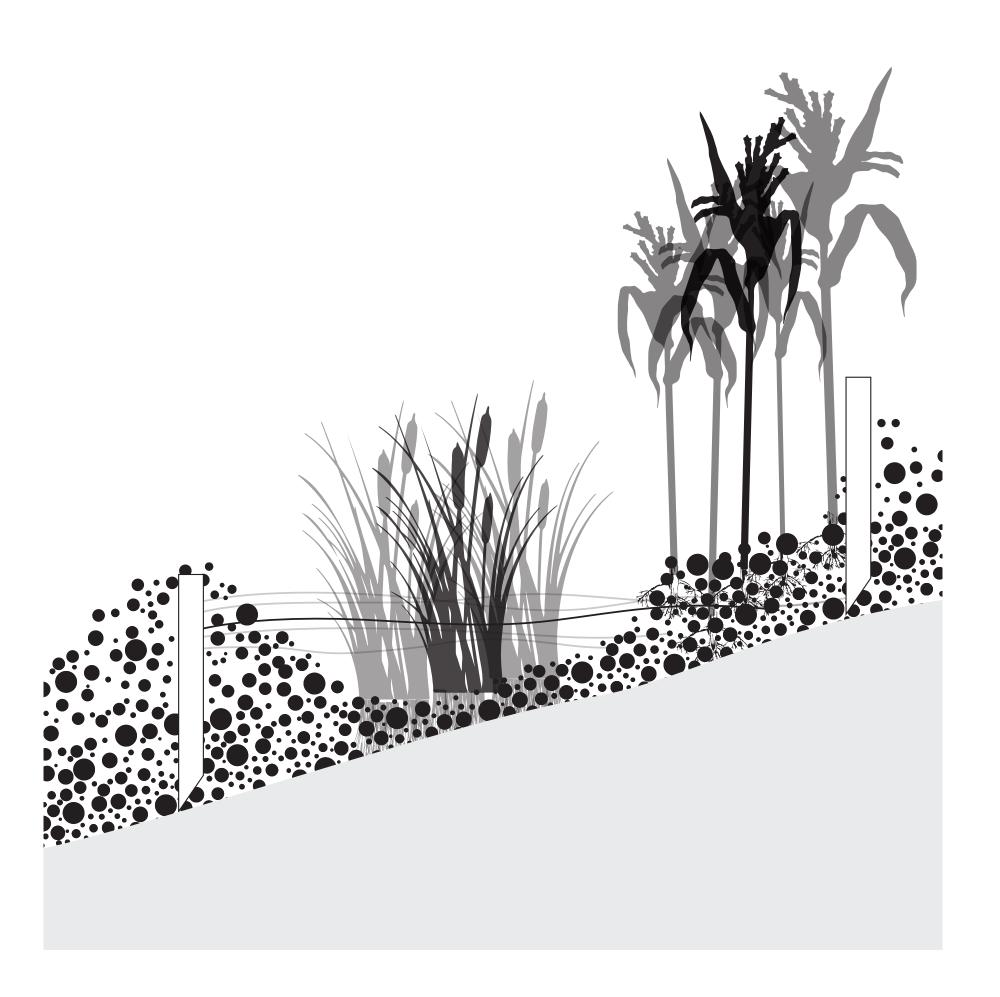


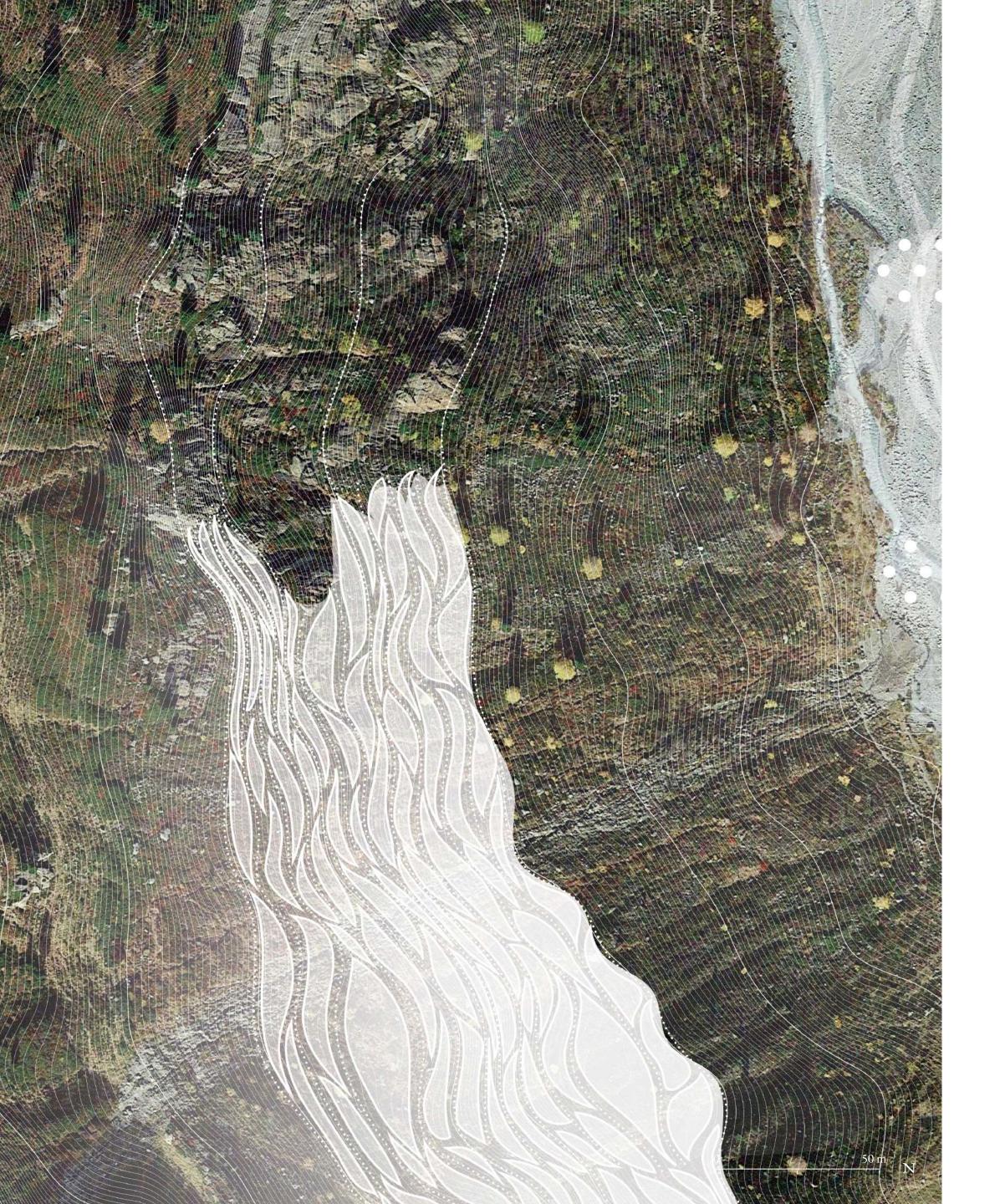


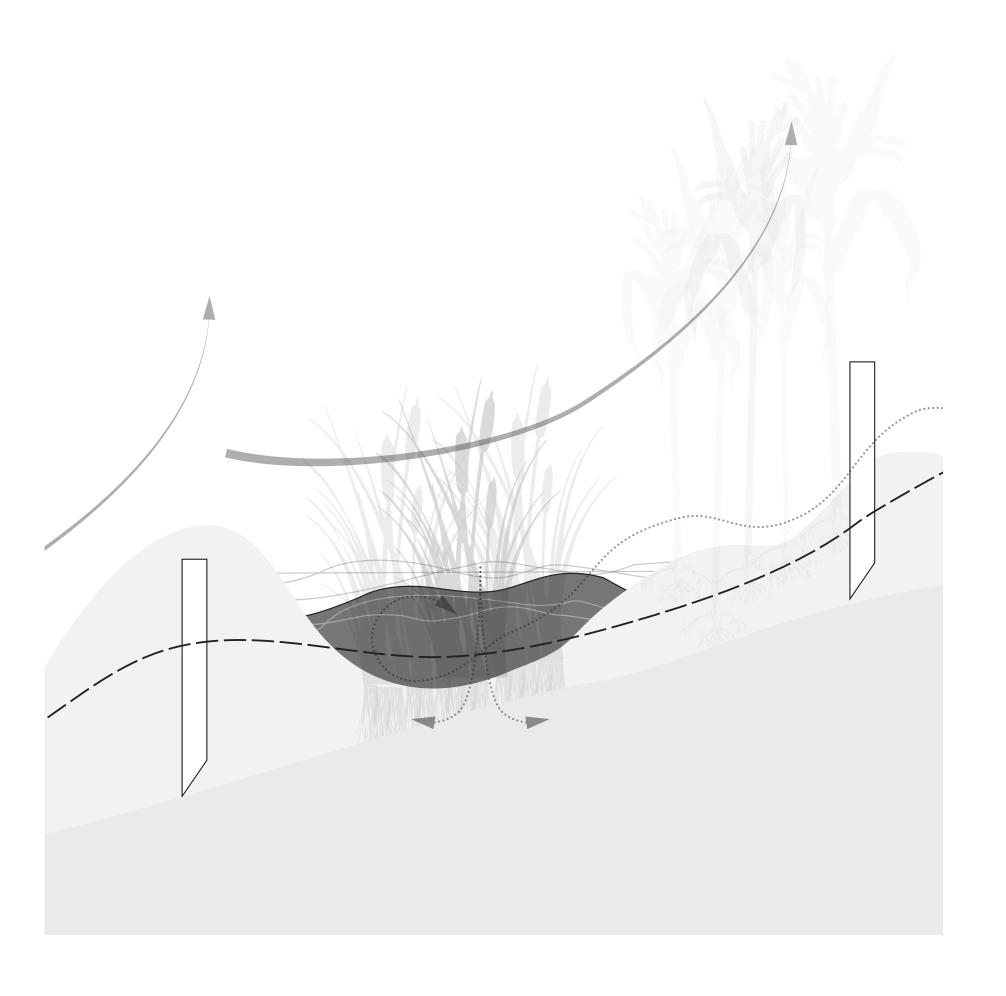


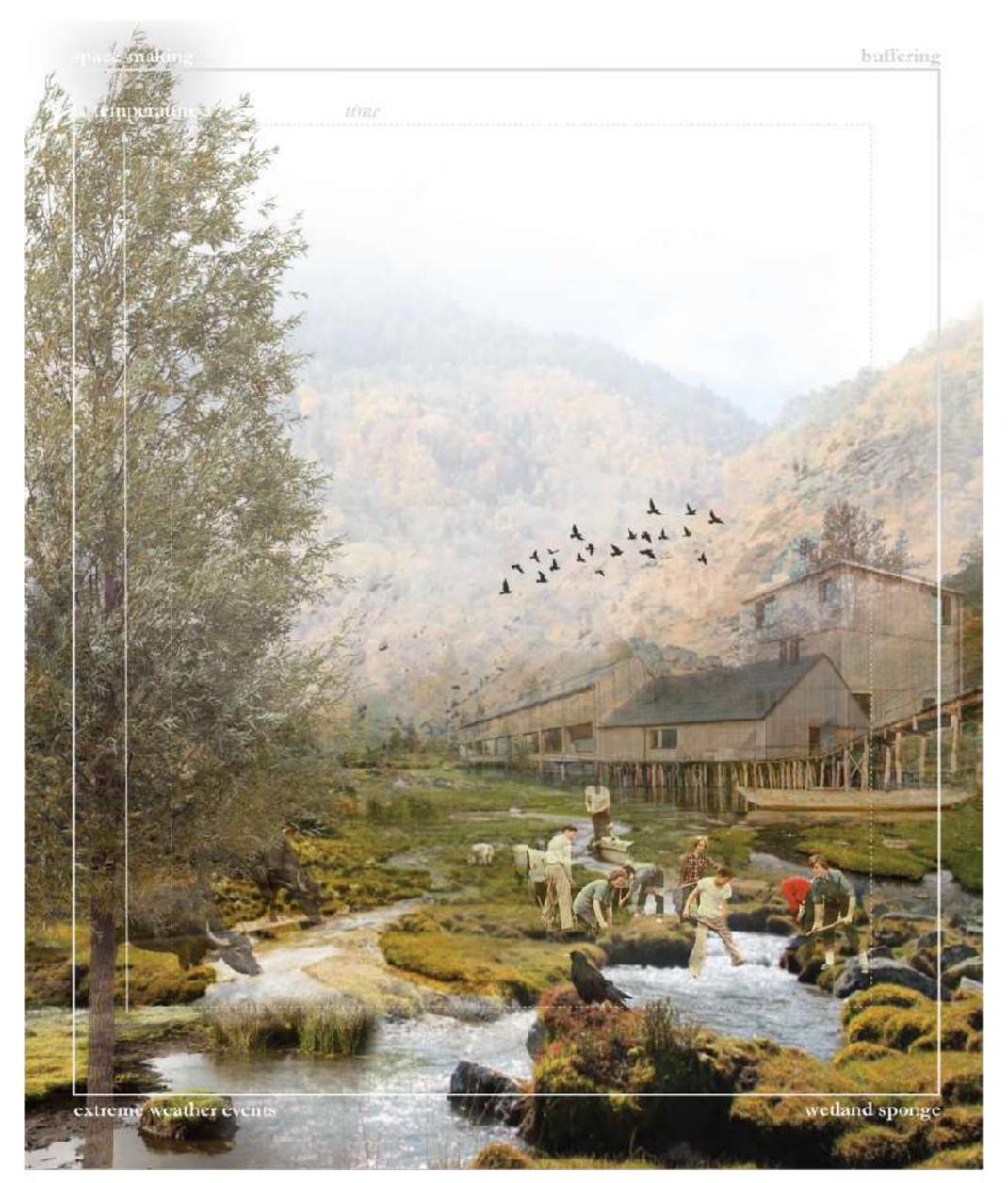






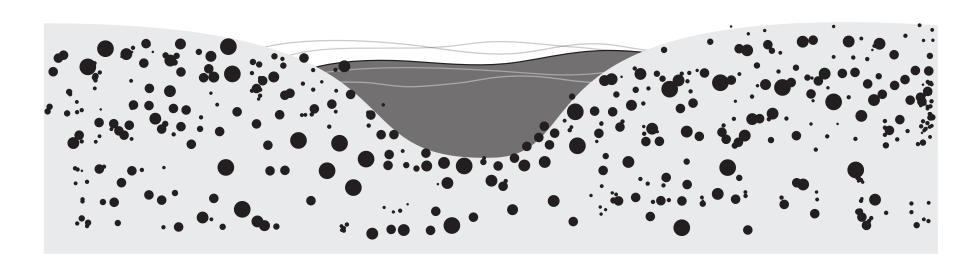




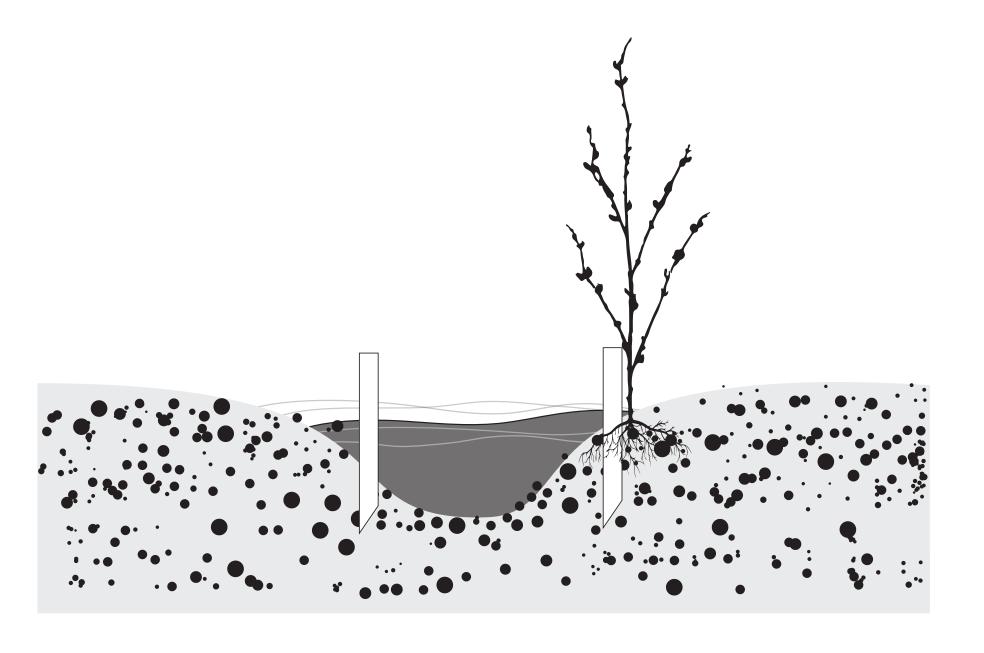


spreading river beds

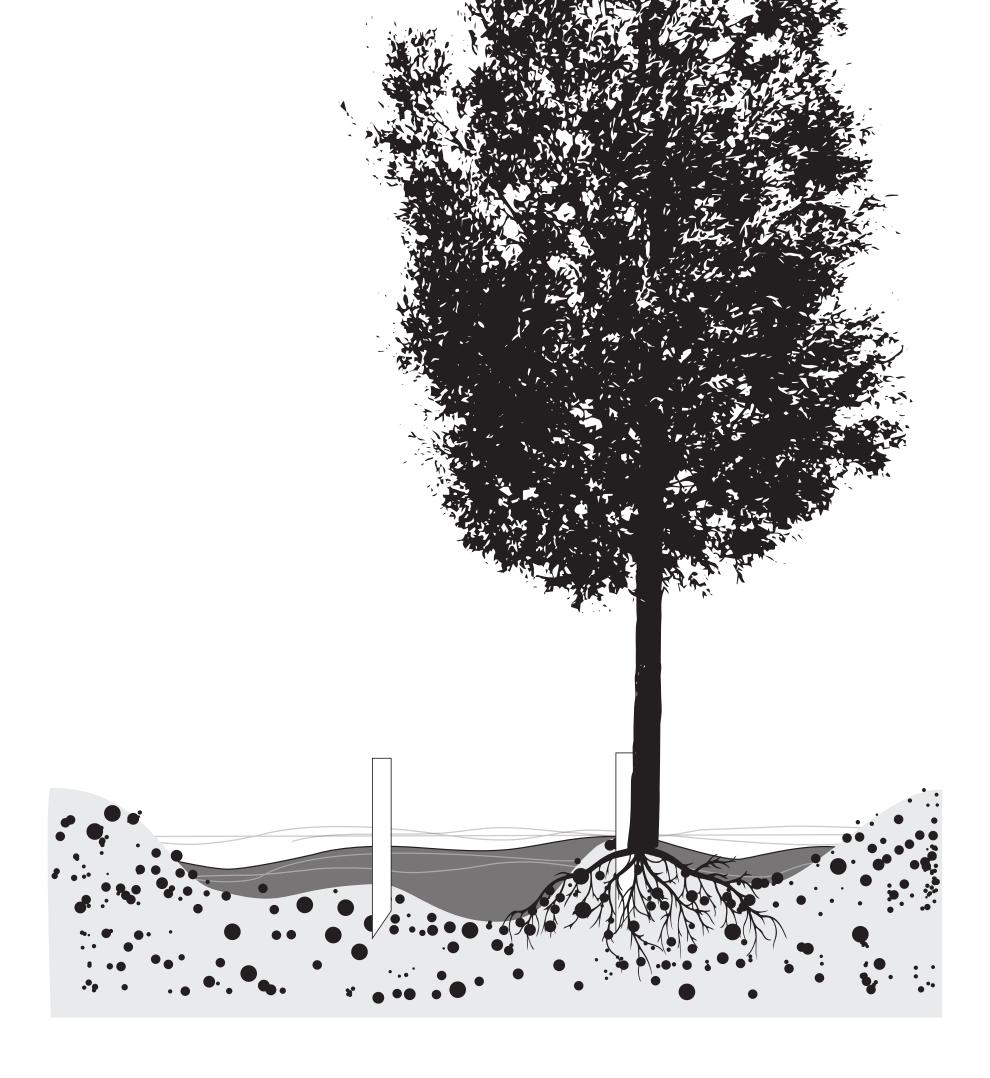




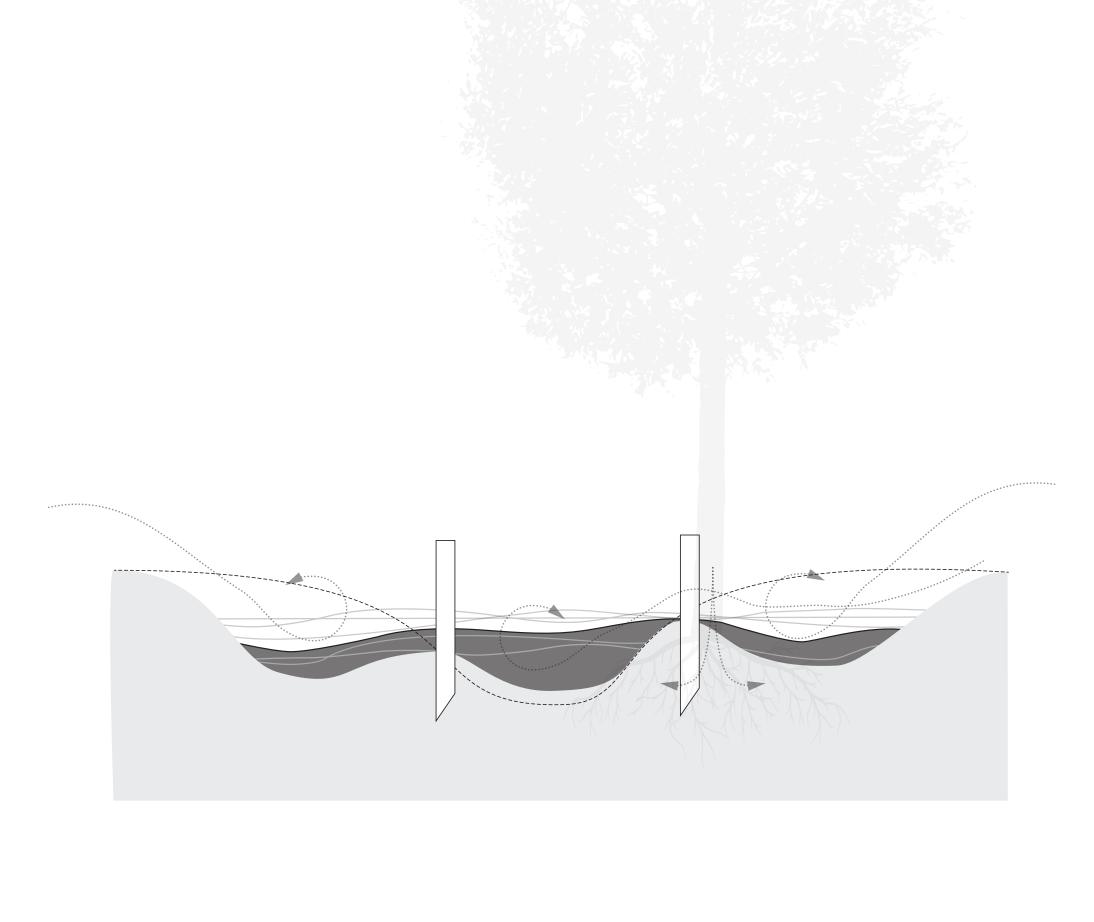


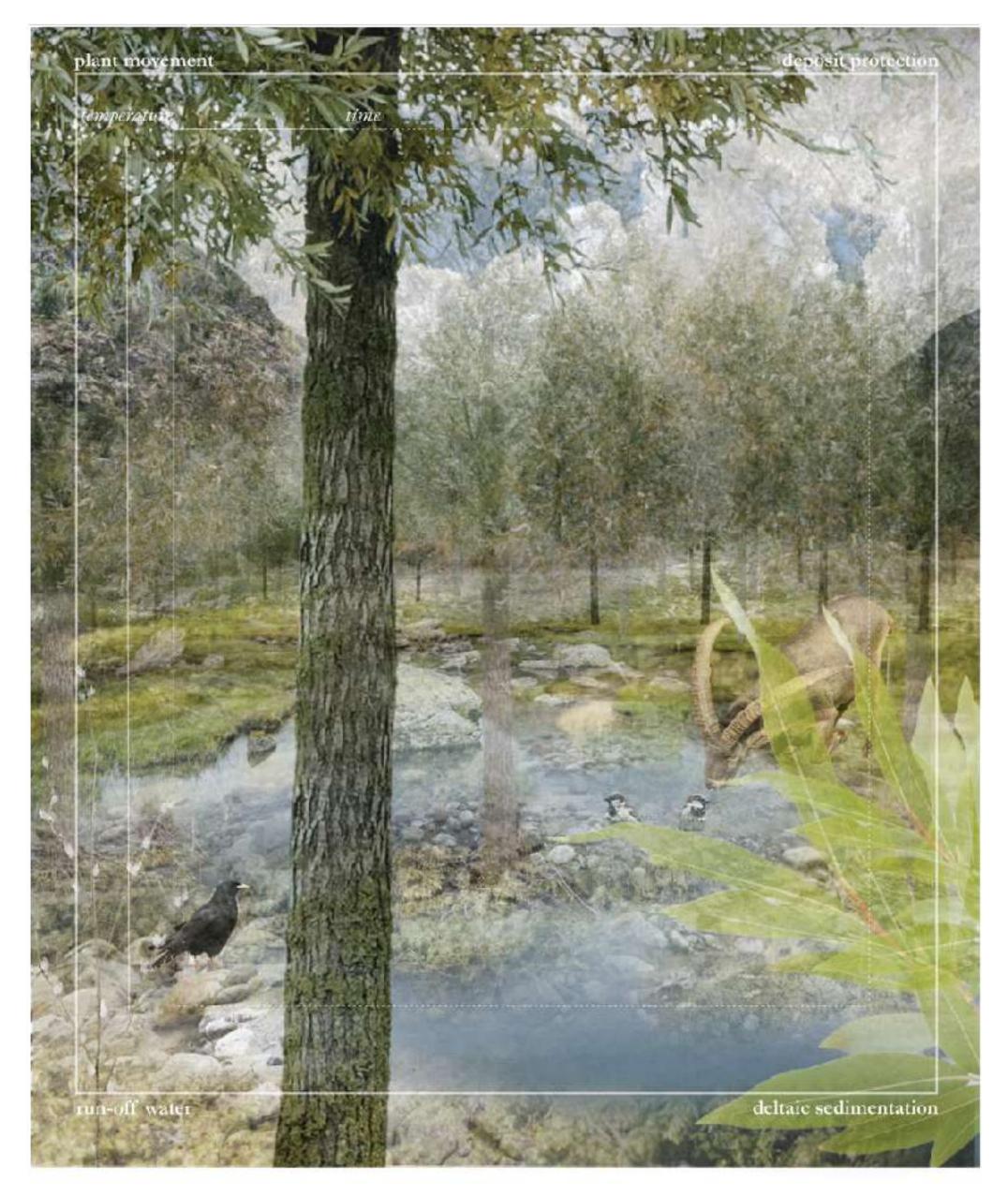








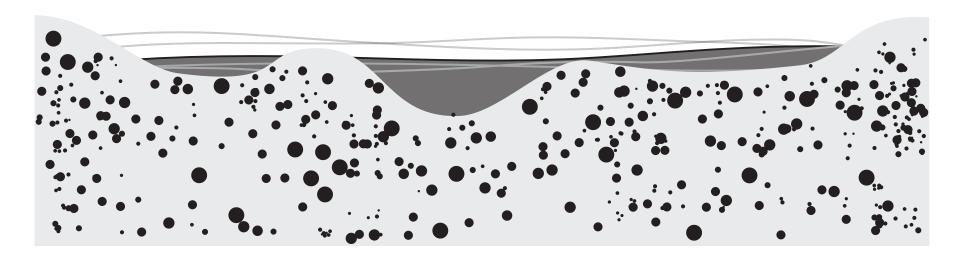




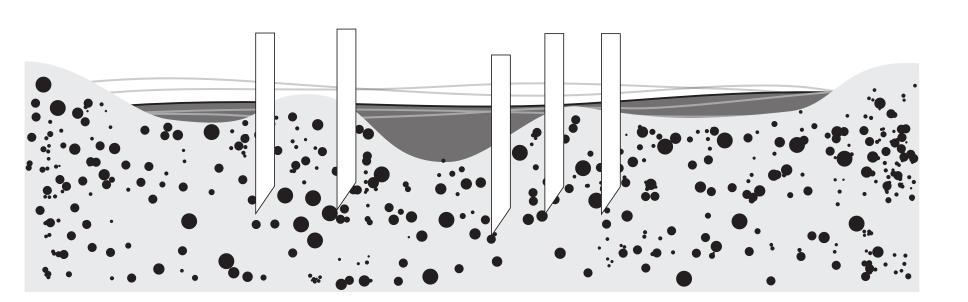
protecting

sedimentation deposits

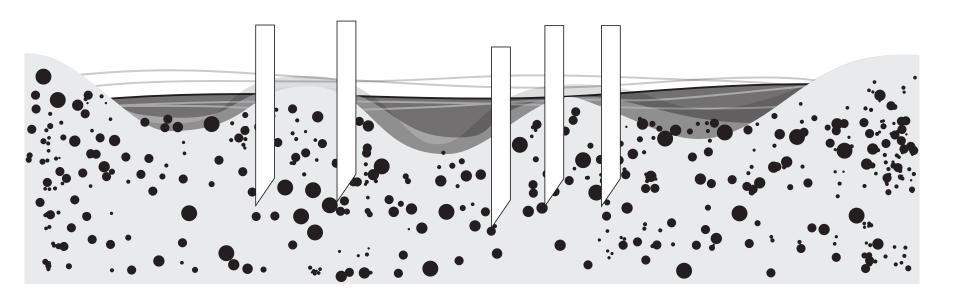




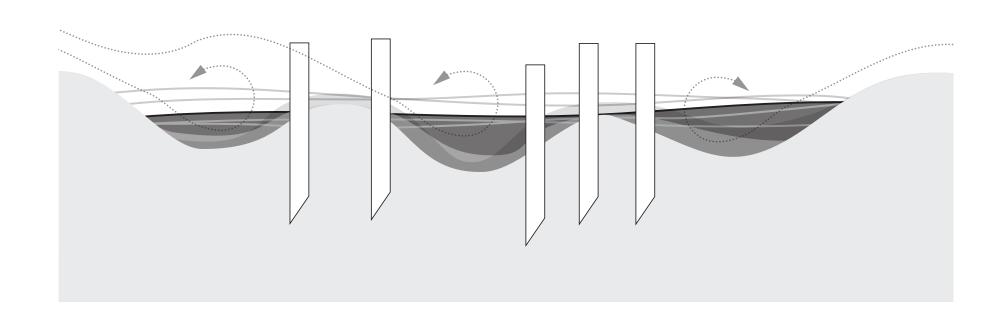




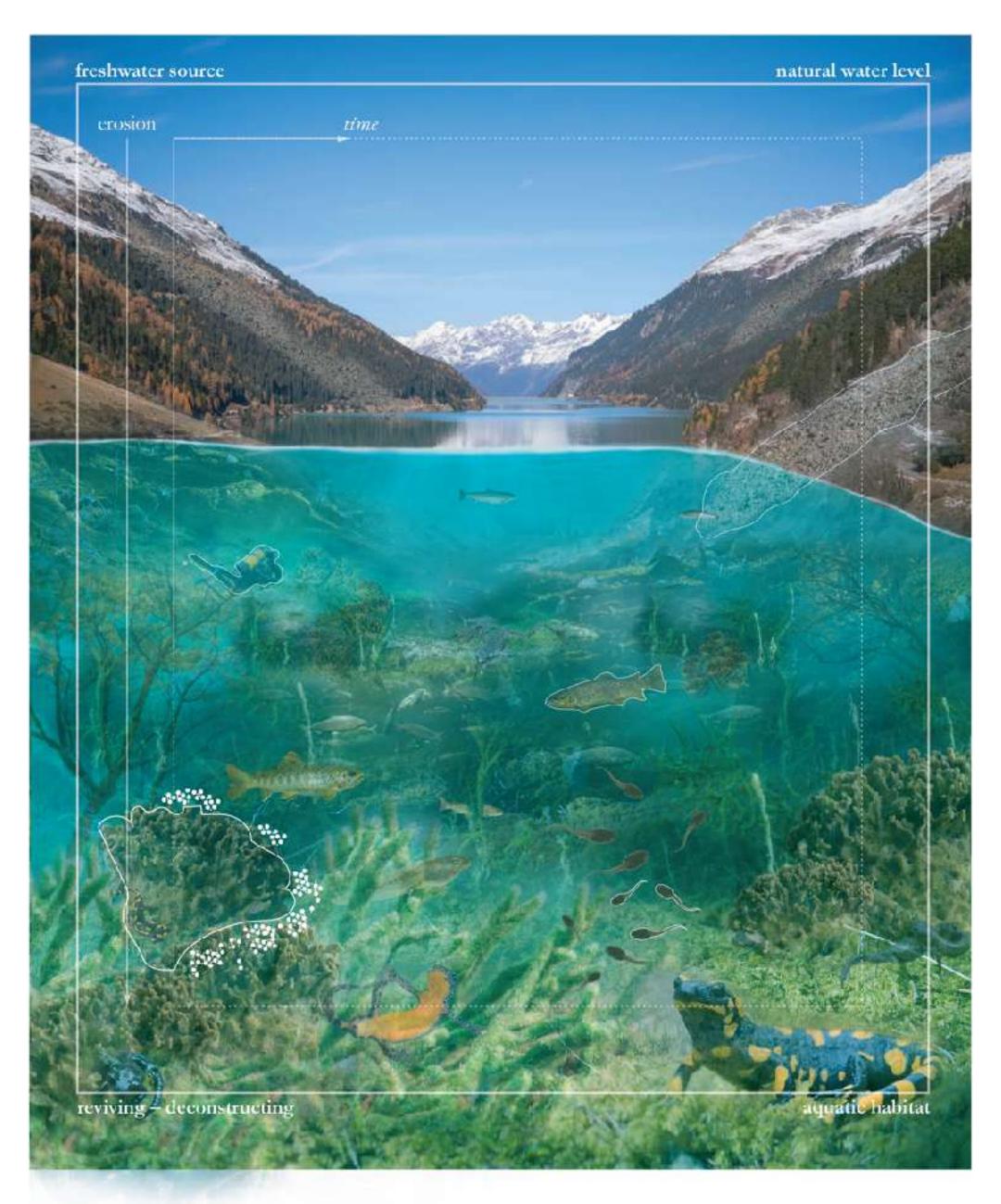








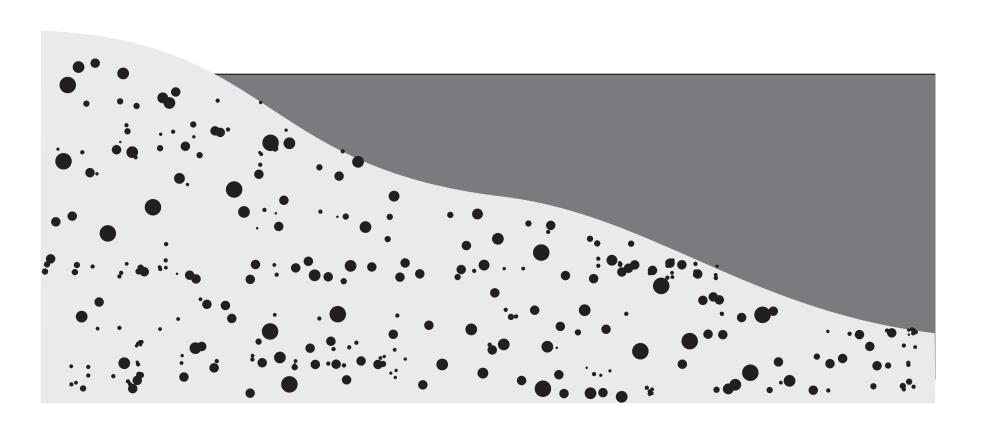




reviving

industrial landscapes

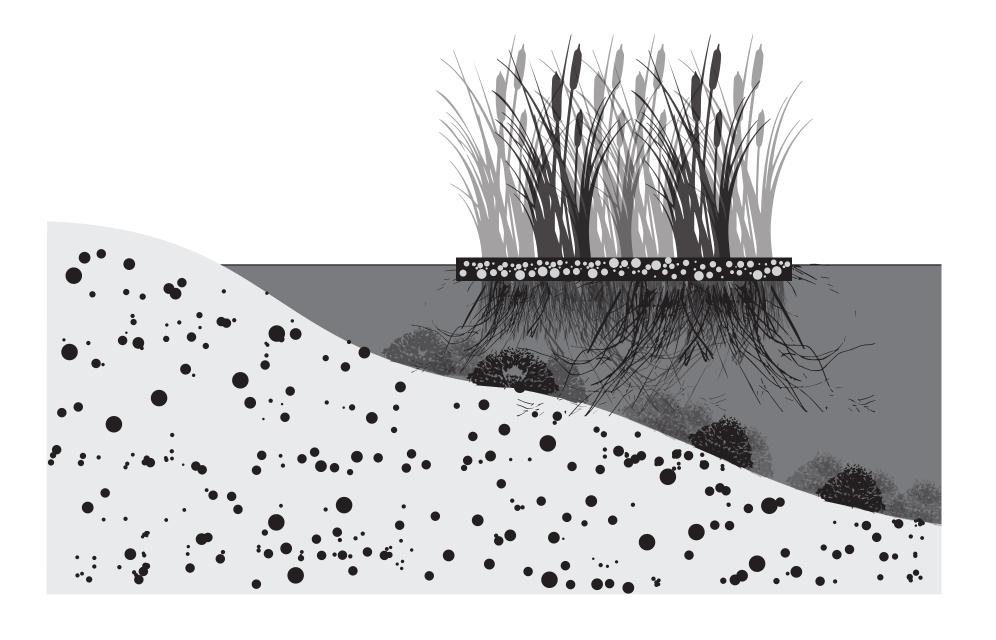




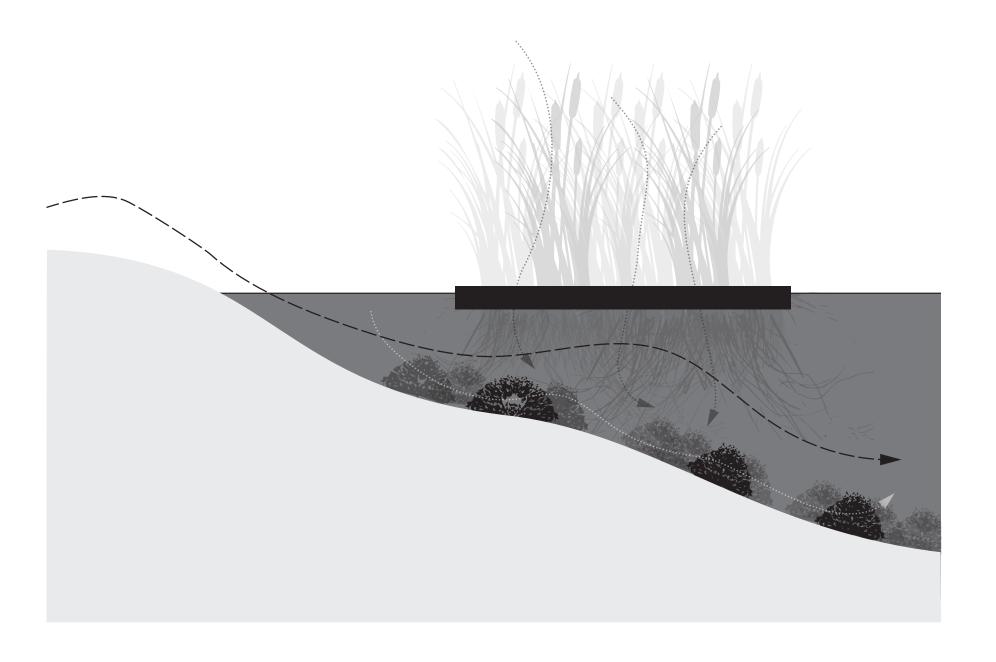


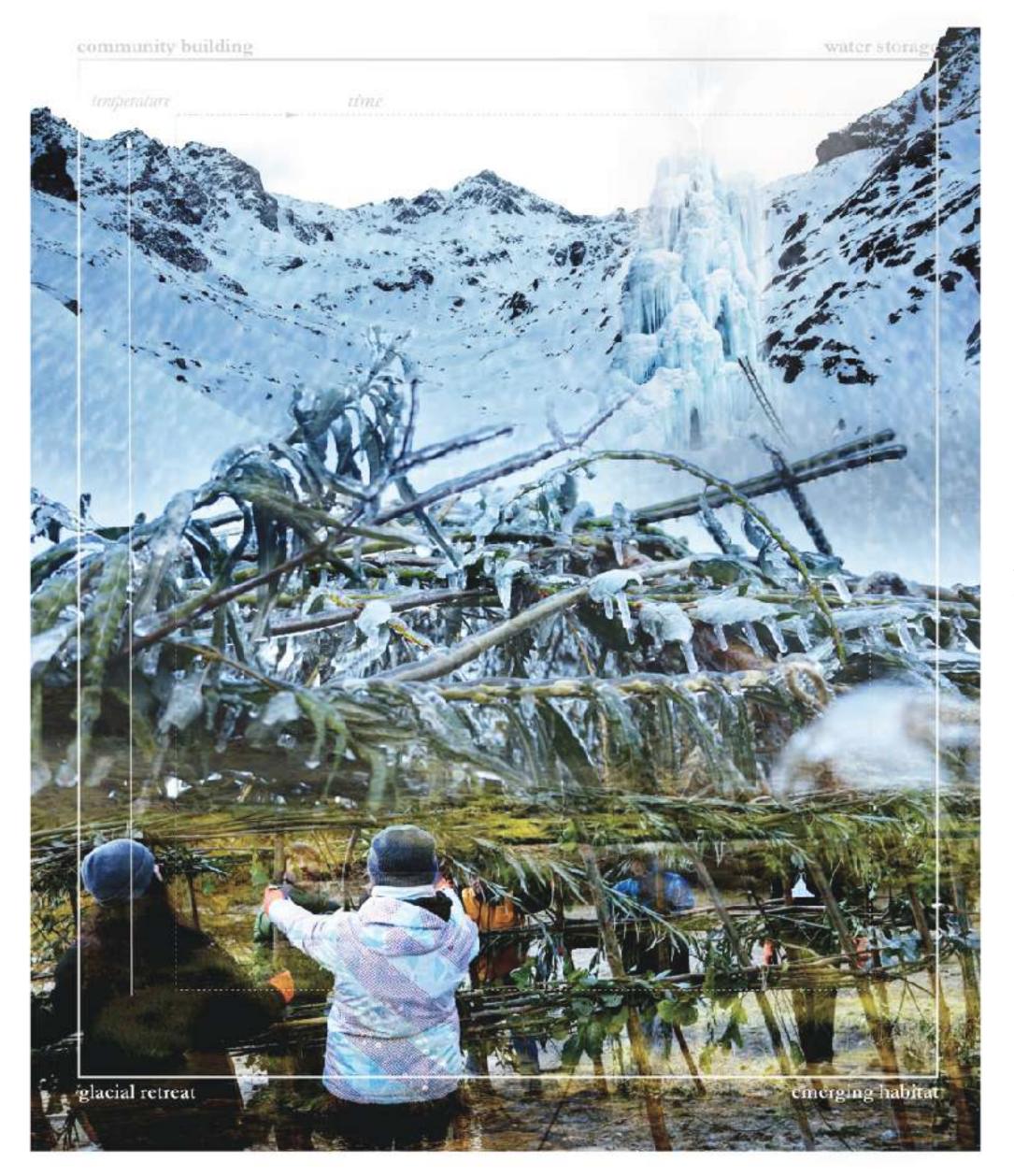






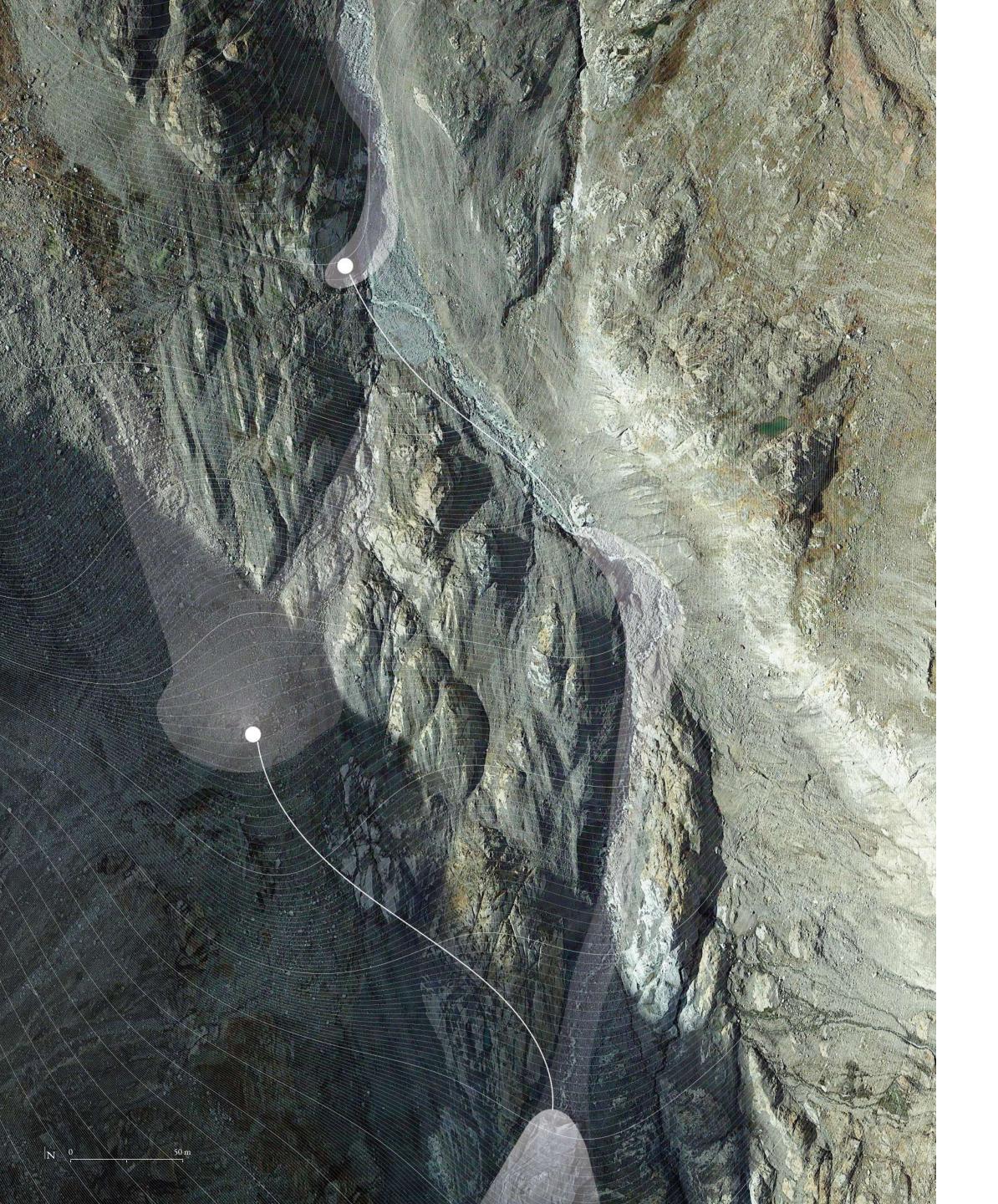


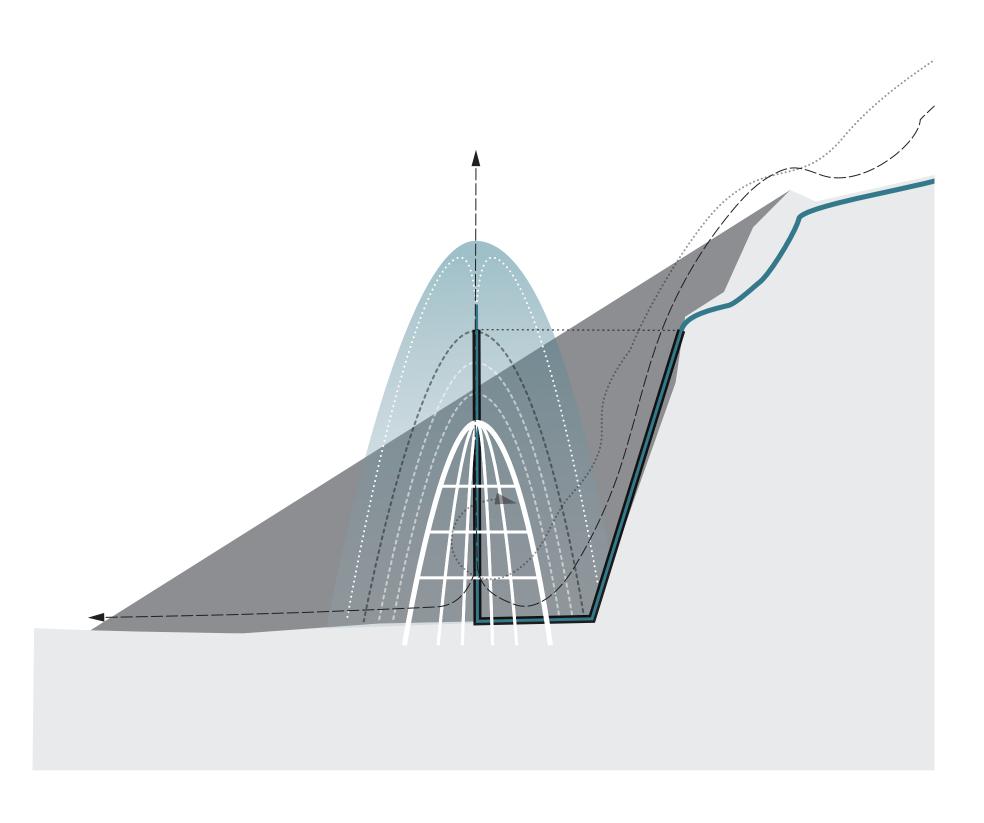


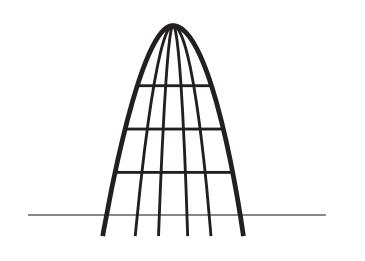


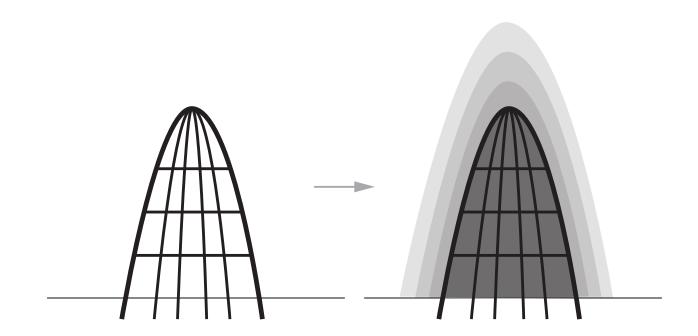
preserving

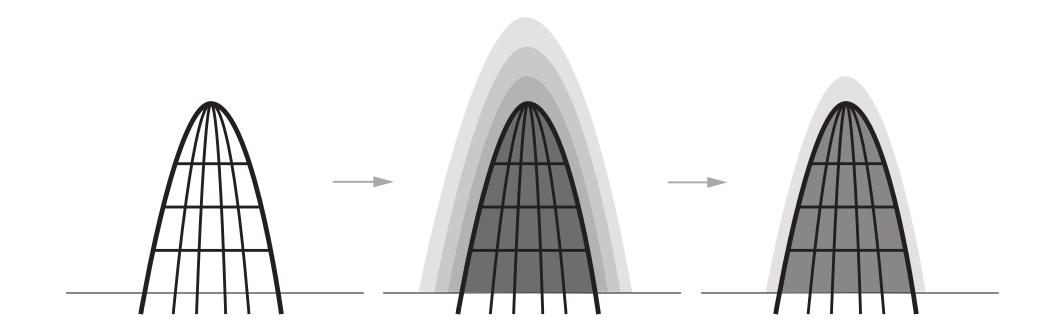
frozen freshwater

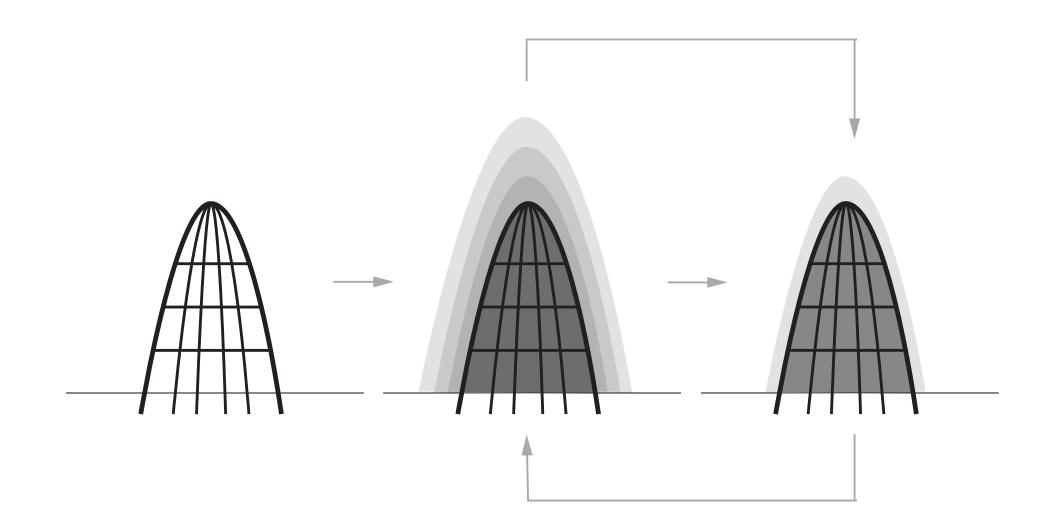


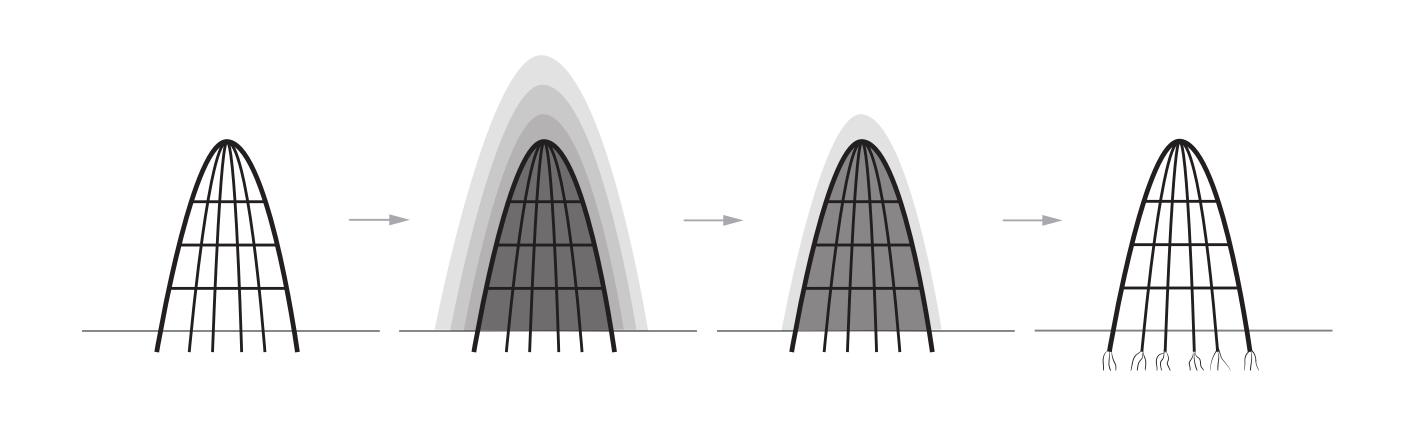


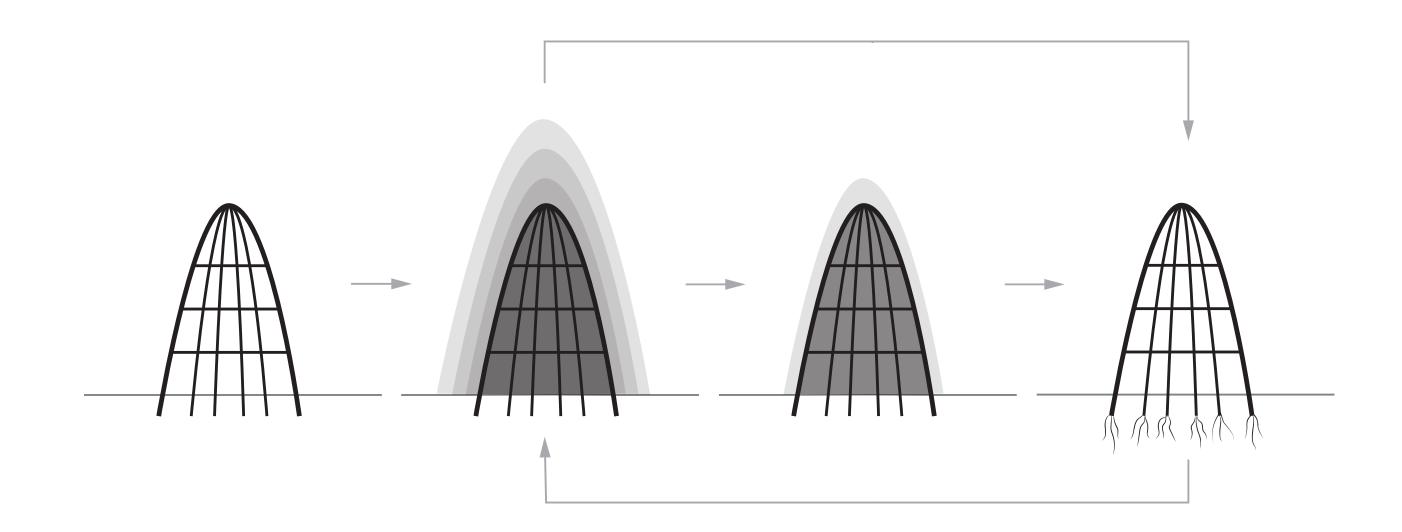


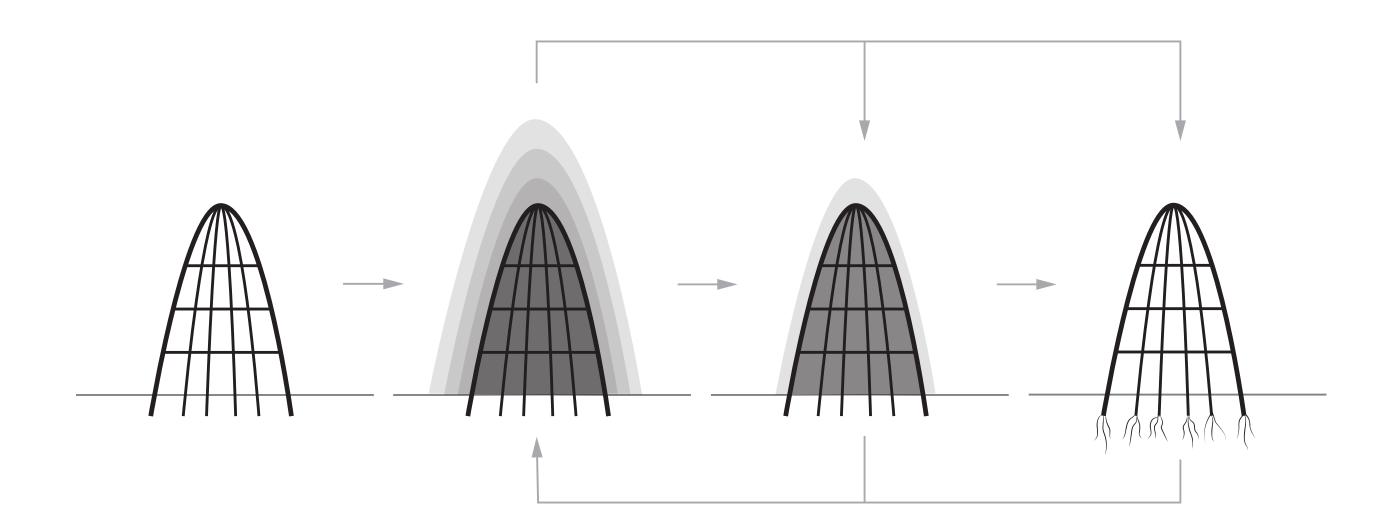


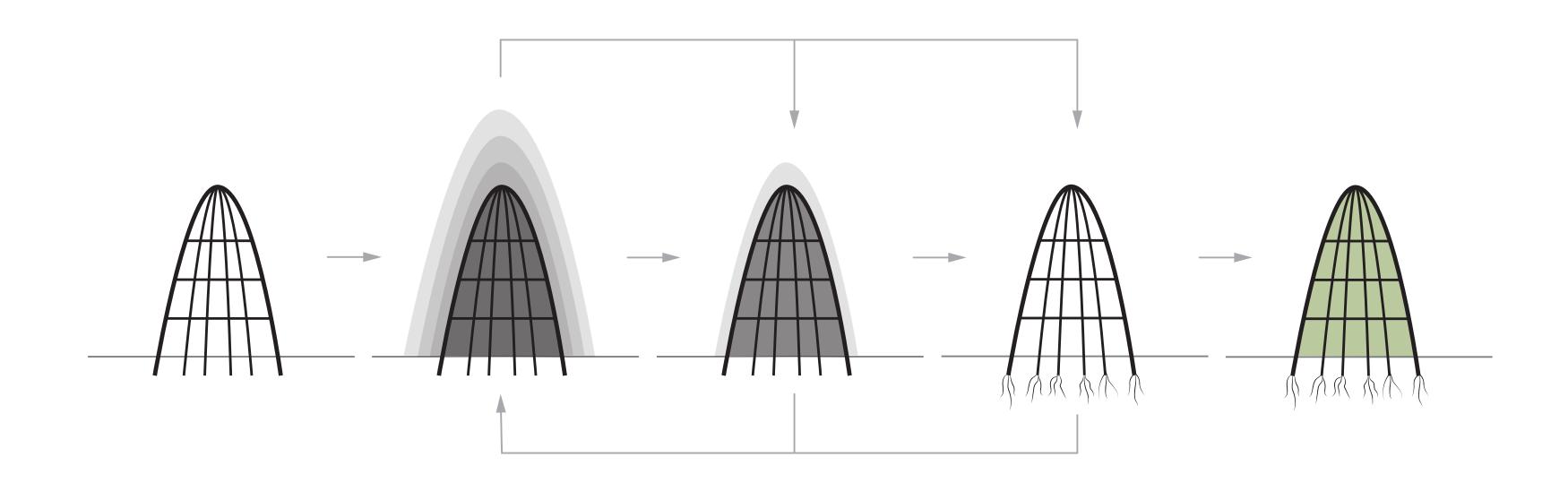


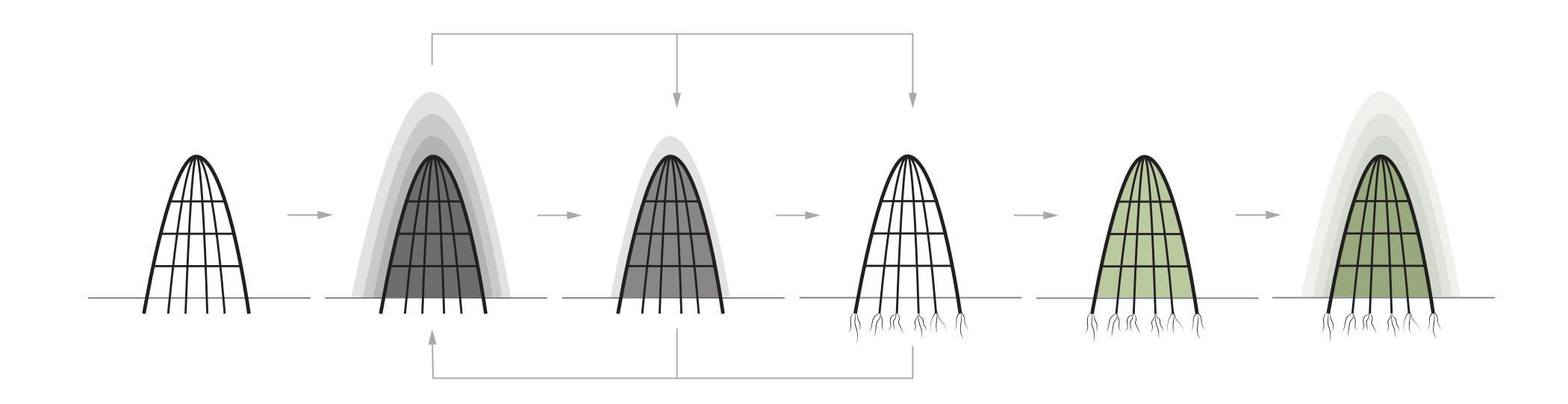




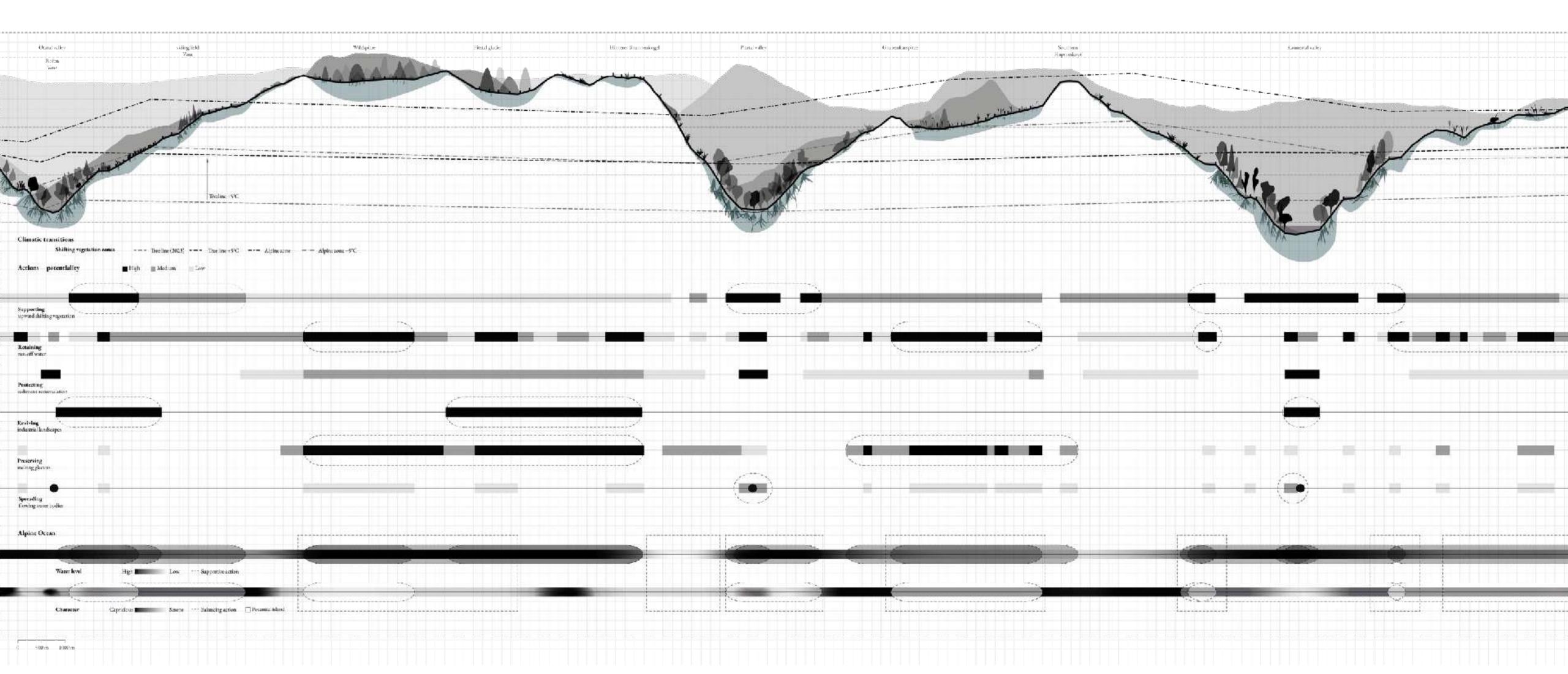
















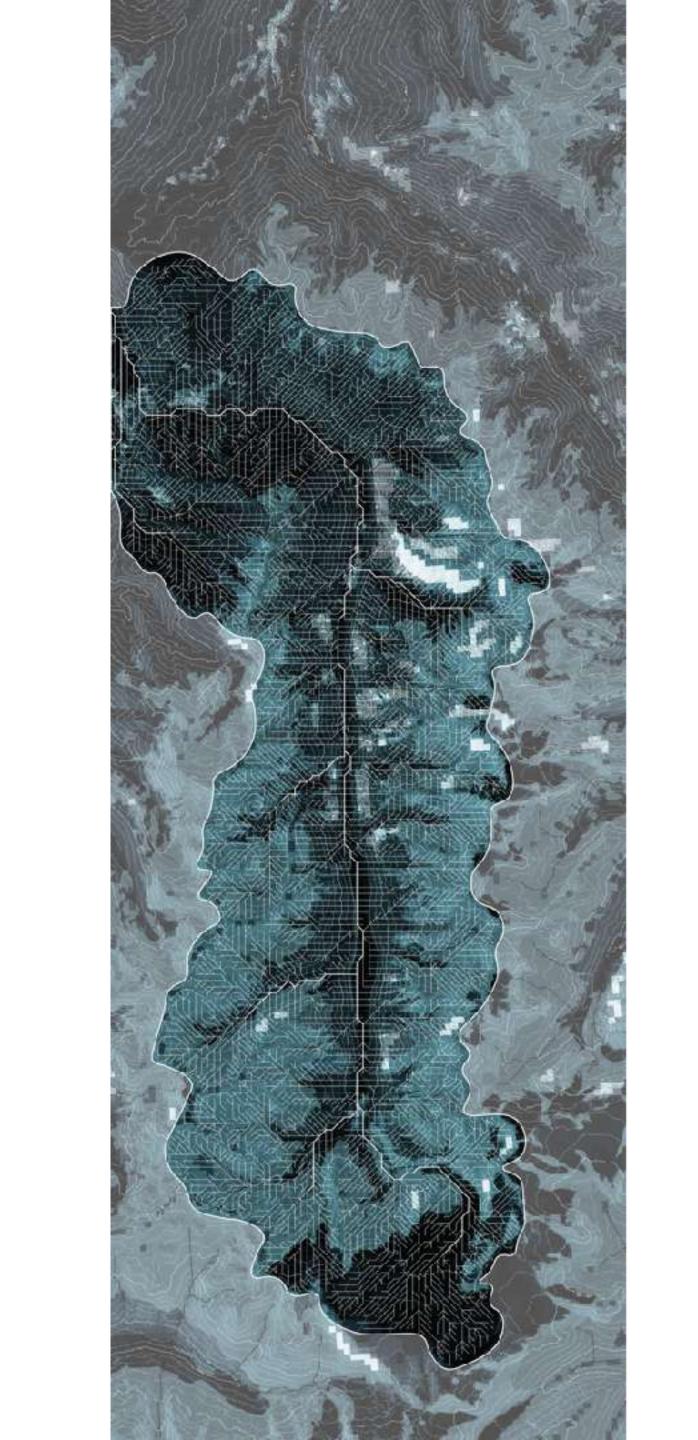


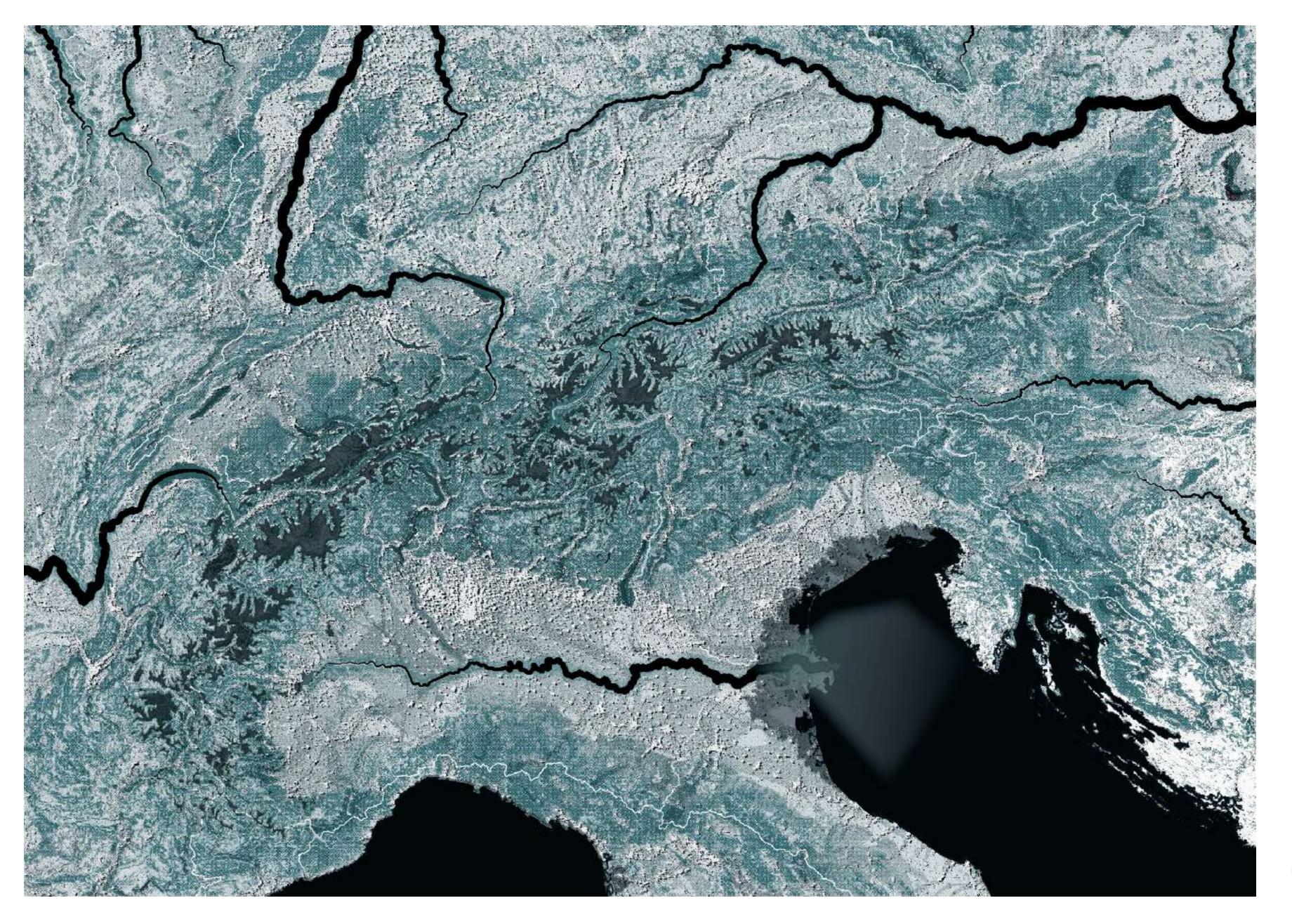








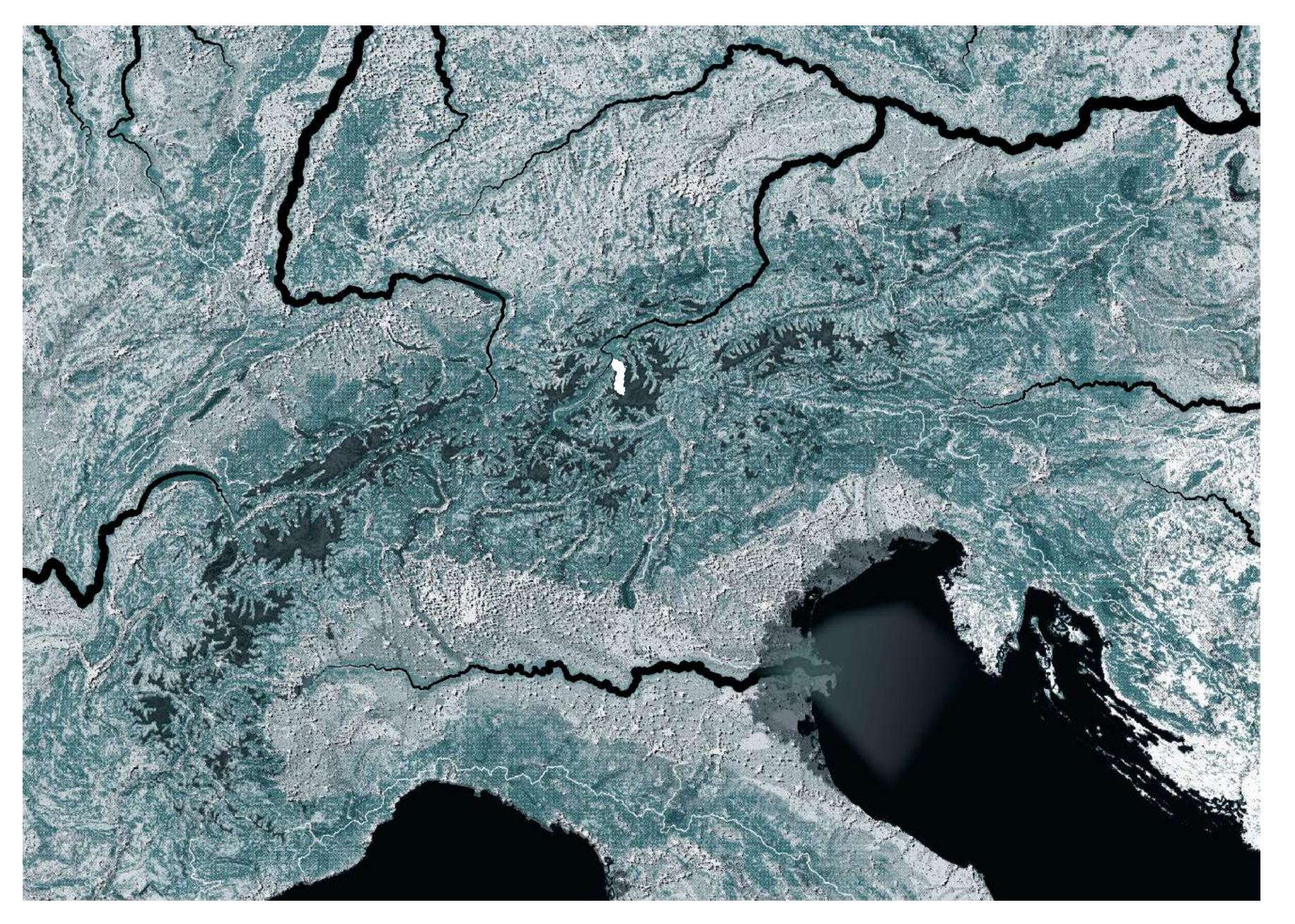




Alpine Ocean

deen

interventions
urban islands
water sheds



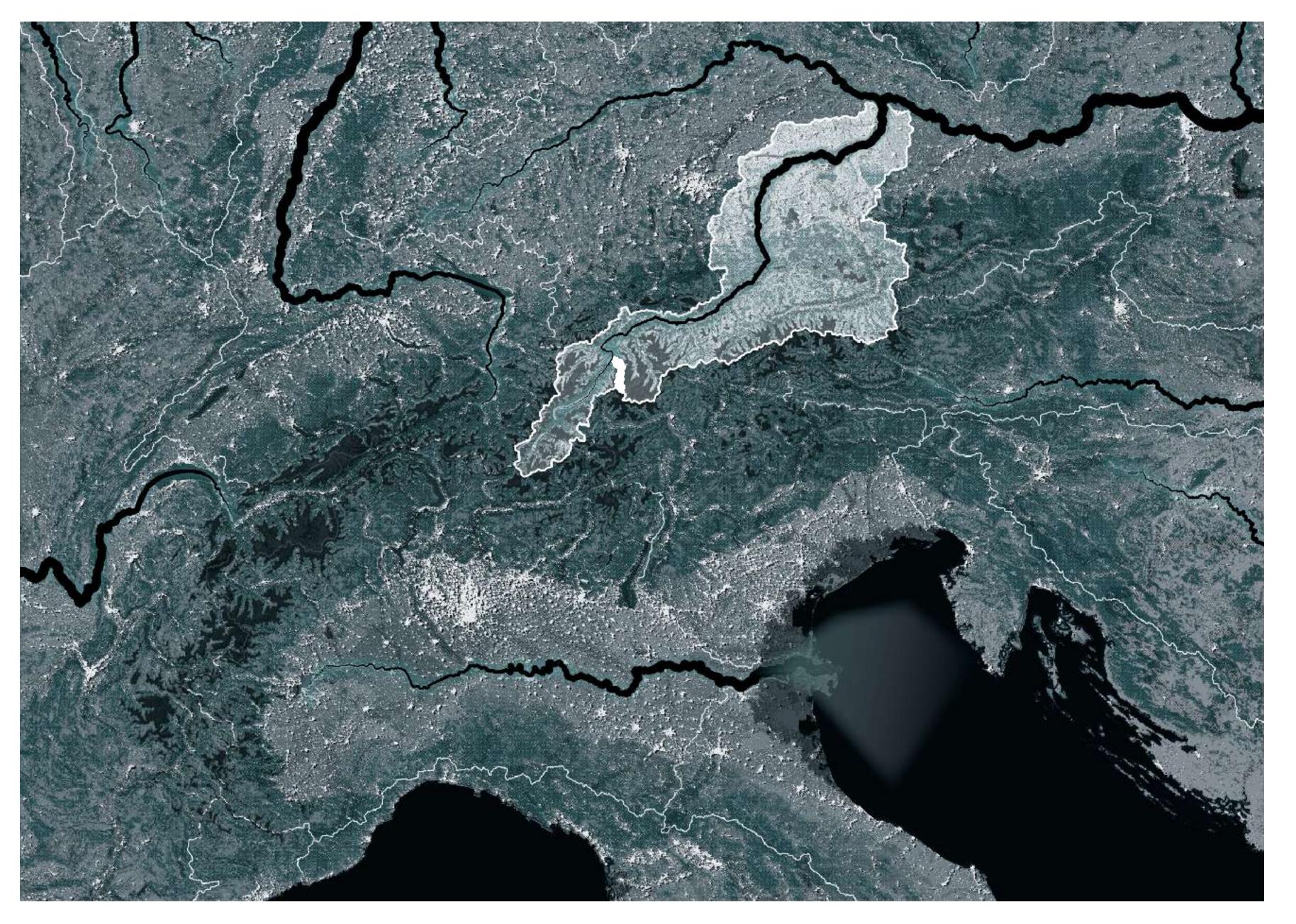
Alpine Ocean

Silalic

deen

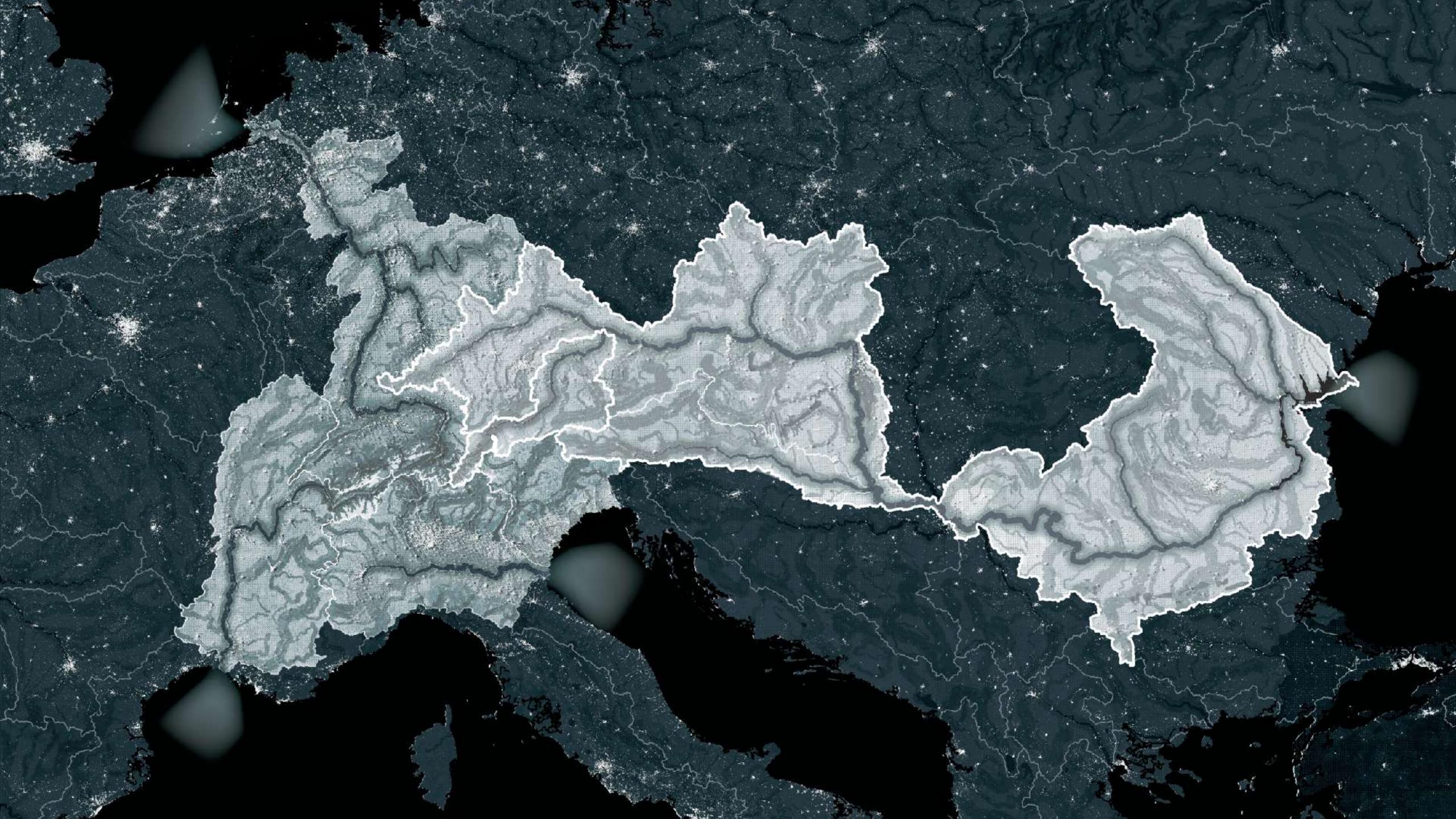
interventions
urban islands
water sheds

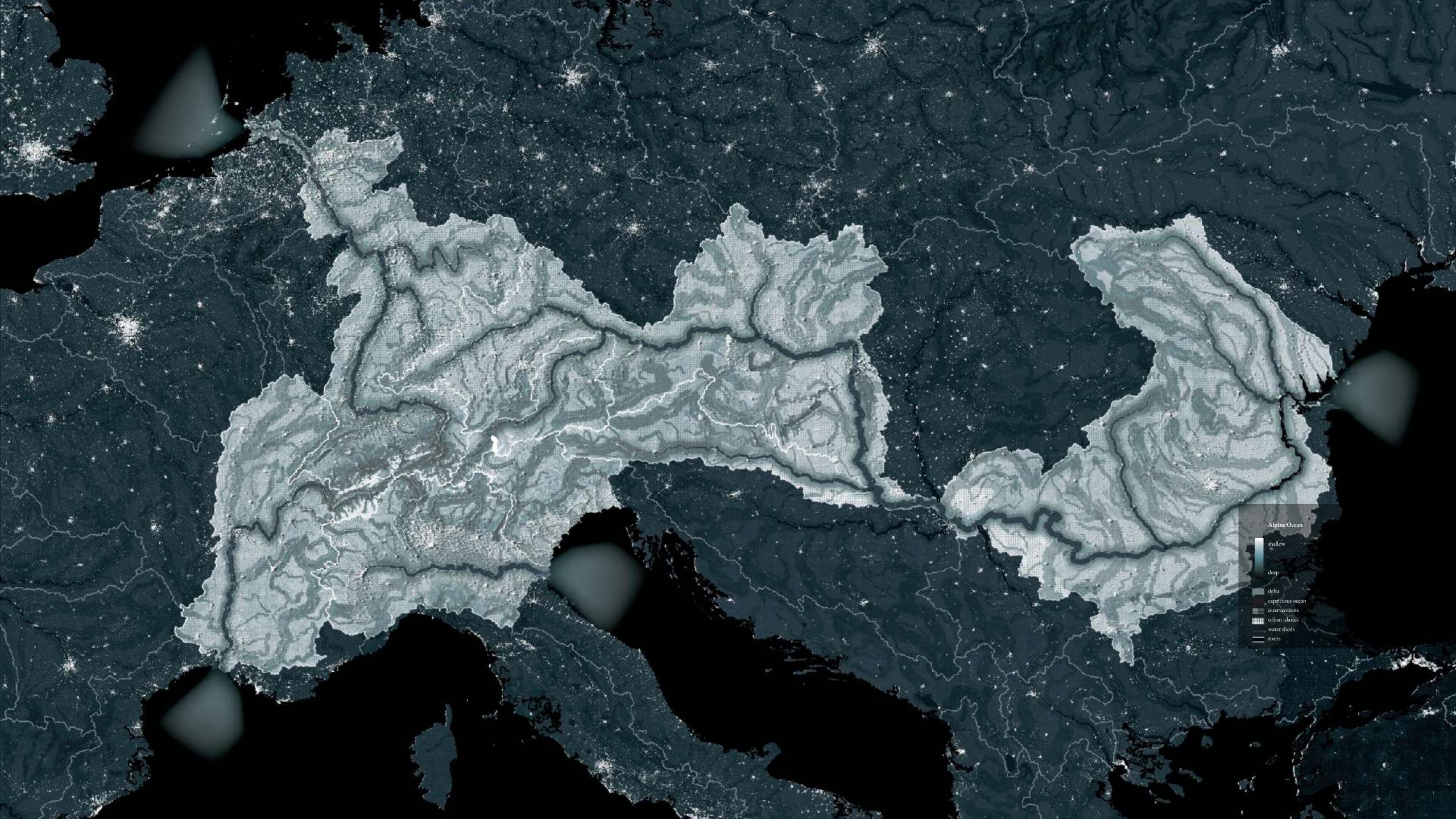
rivers

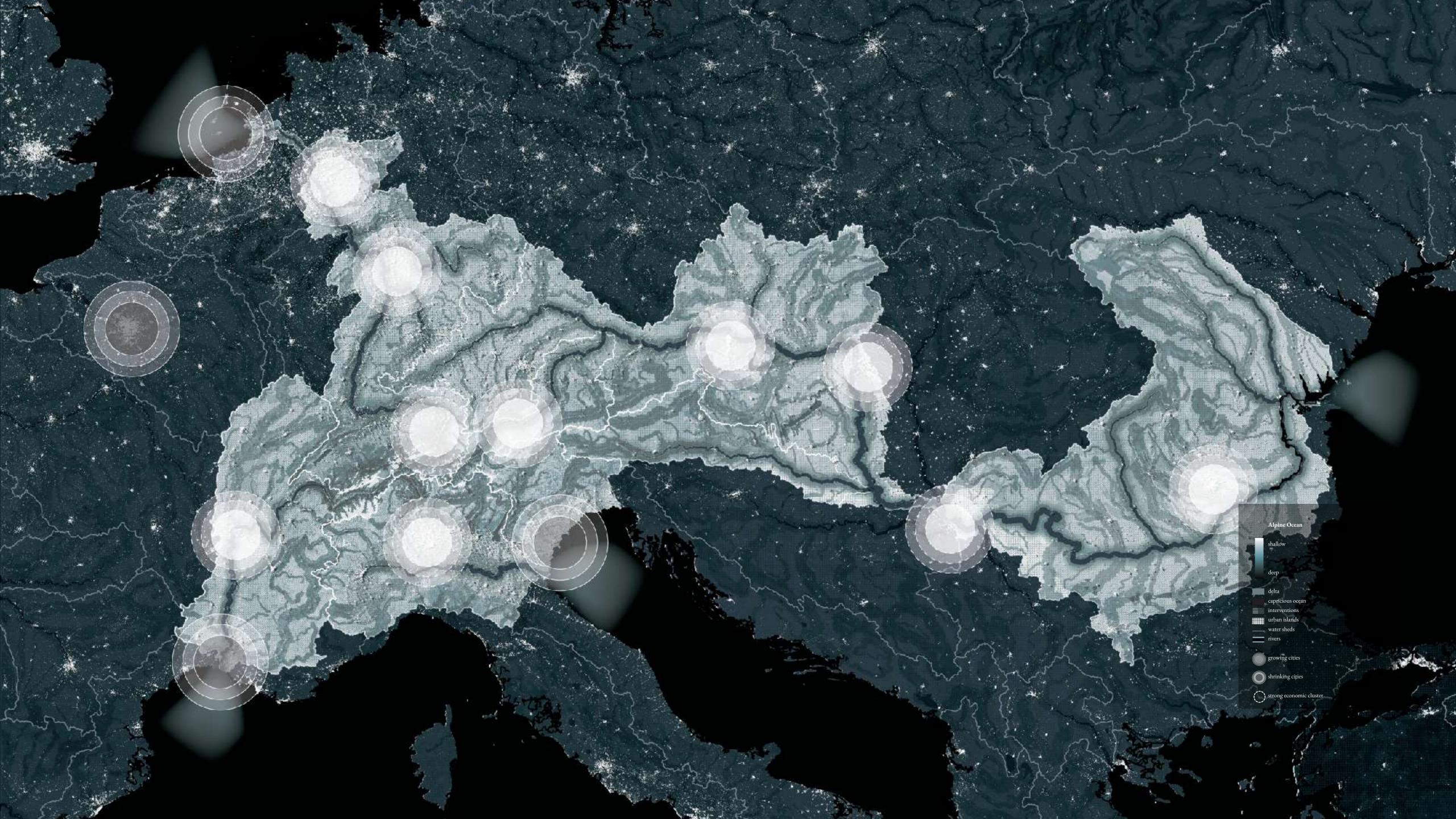


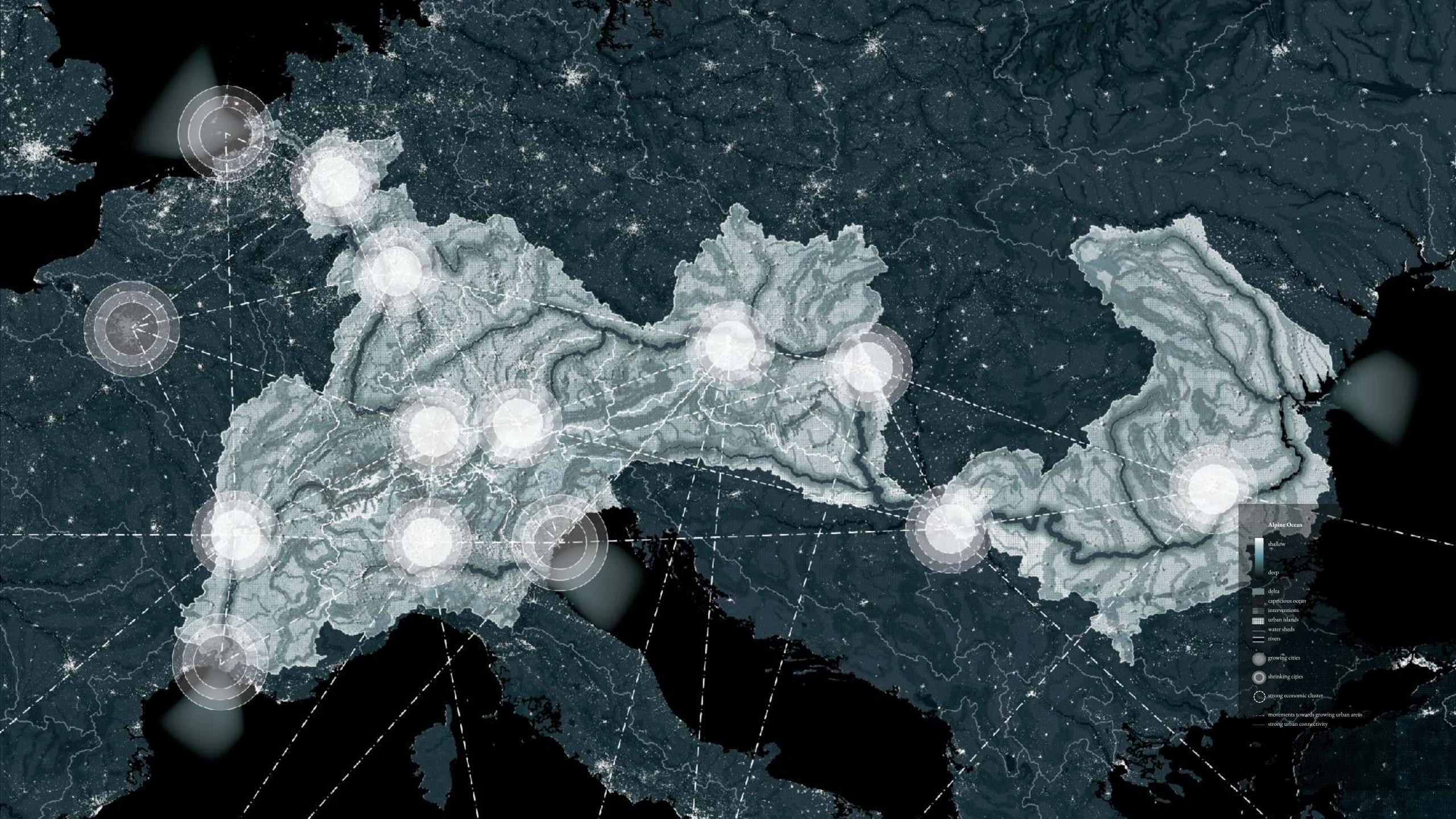
urban islands

— water sheds

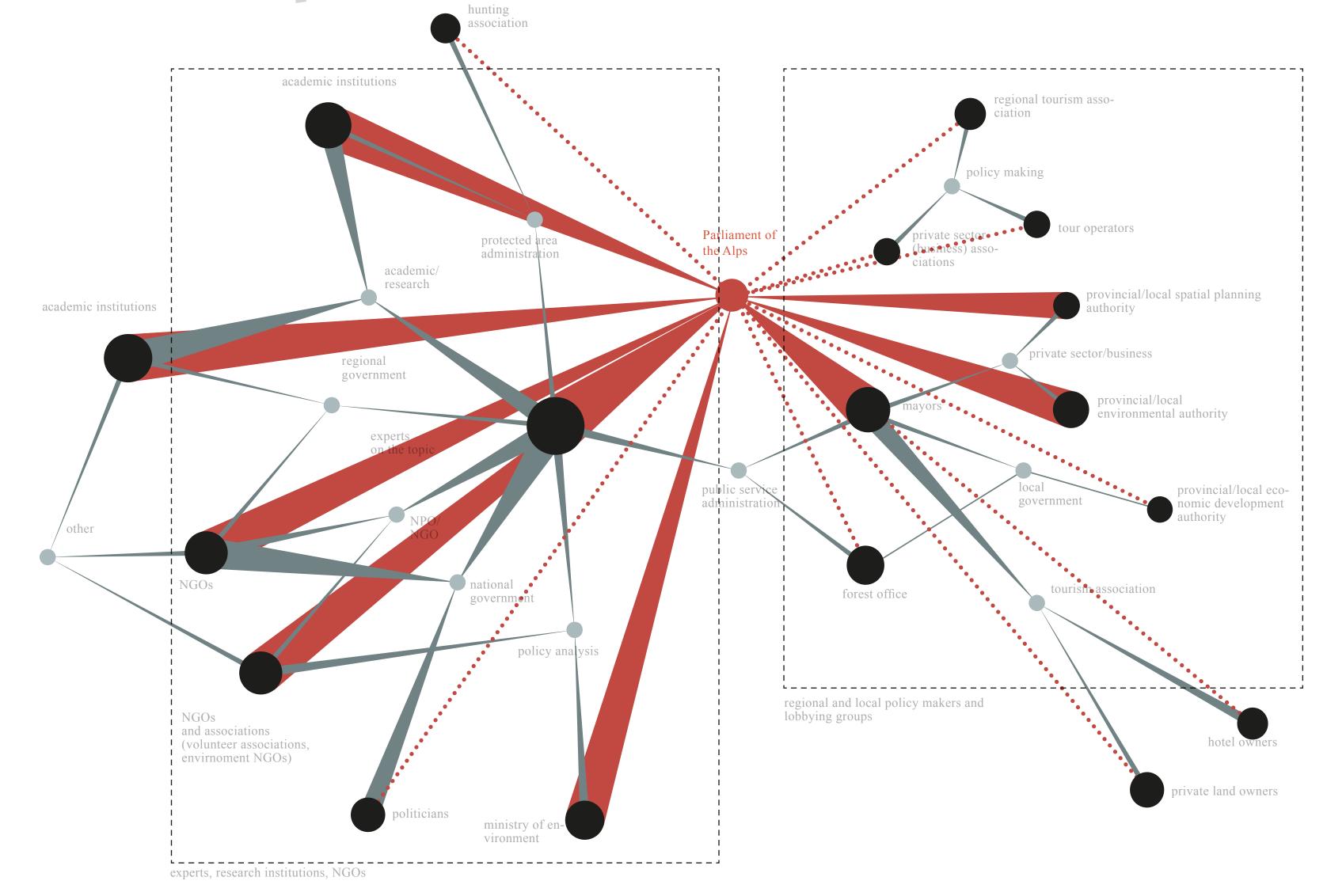




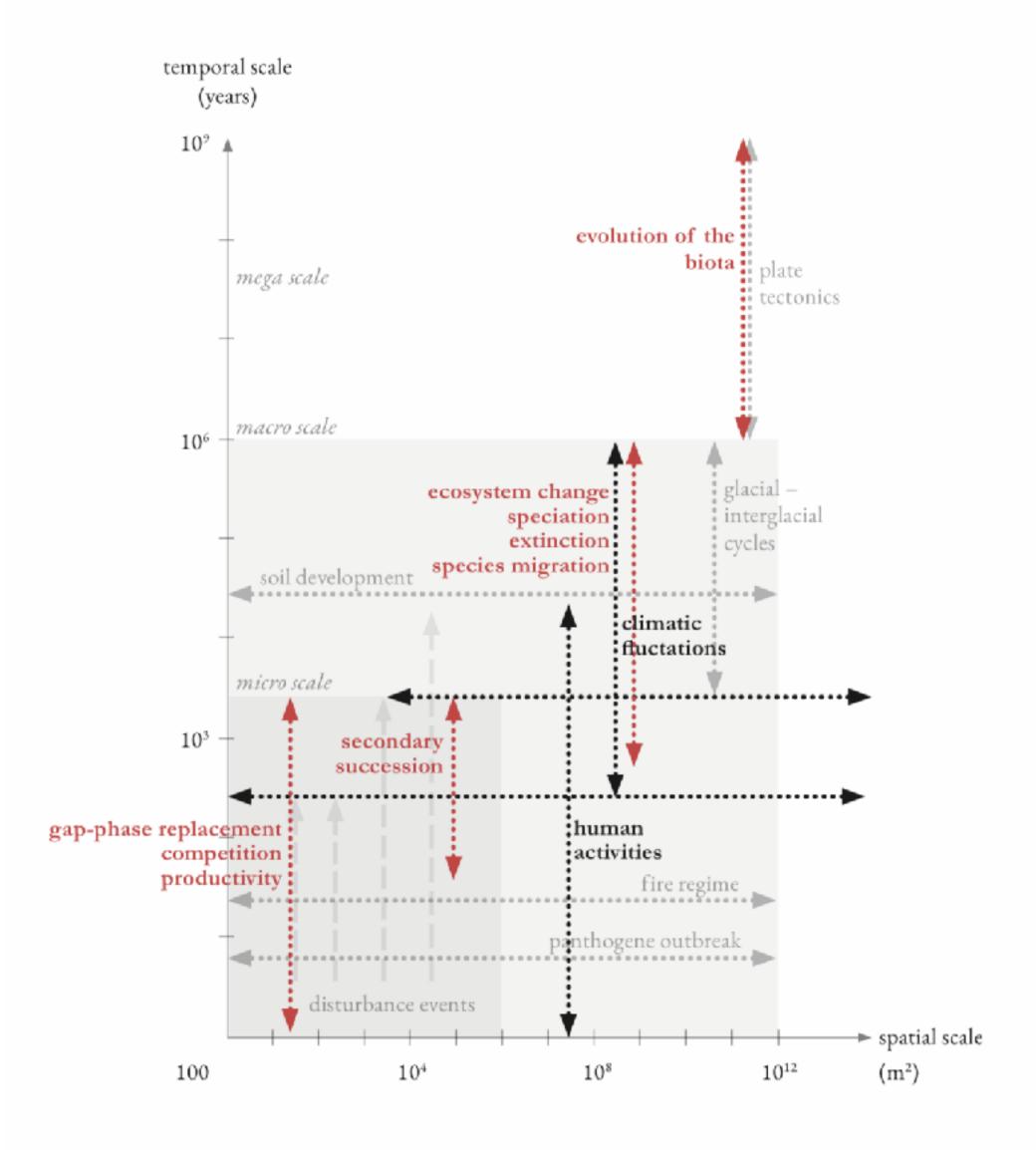




the Parliament of the Alps political representation in the sense of nature

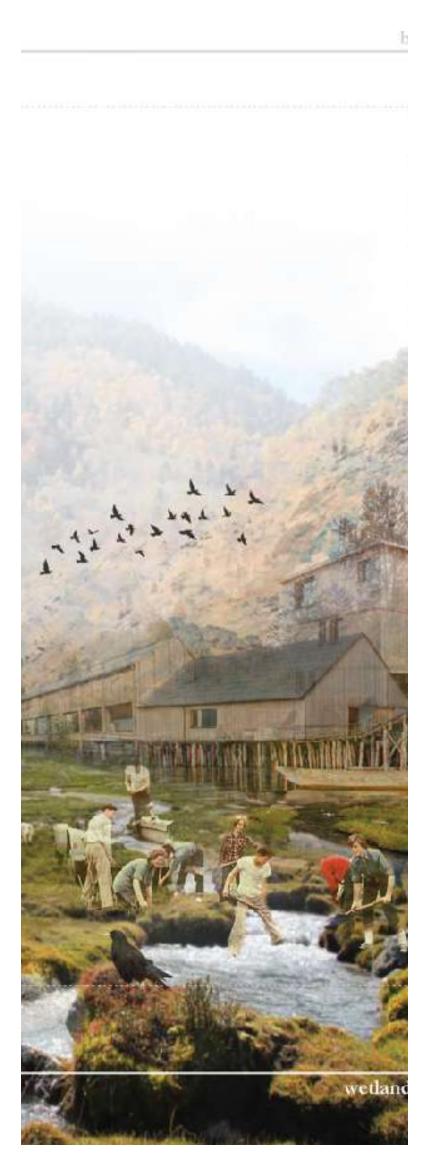


Human agency

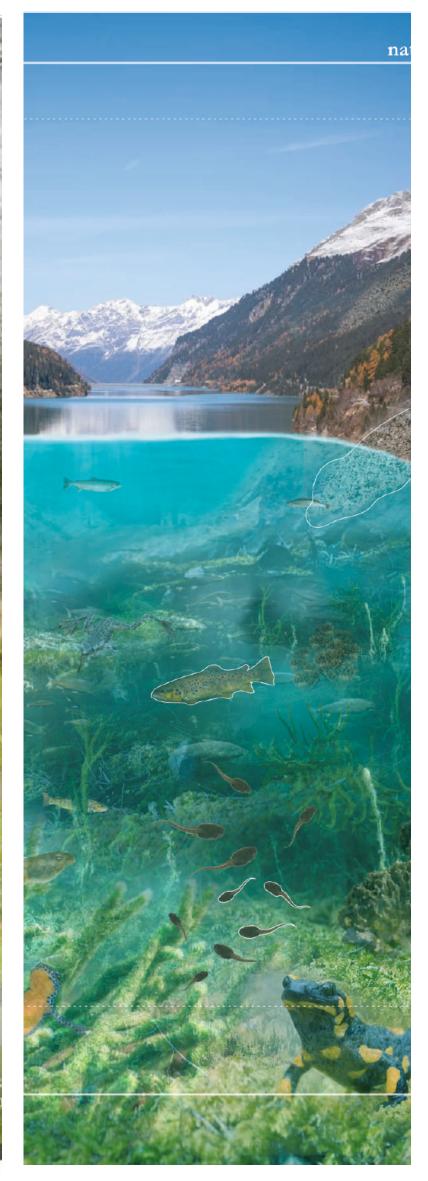














supporting

retaining

spreading protecting

reviving

preserving