

Tides without waves
The waters of the Vajont

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Graduation thesis

Mentors

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Flowscapes graduation studio

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Starting point

Motivation

Research question

Flowscapes

Site of investigation

Location

History

Experience, memory and hope

Design proposal

Objective

Concept

The plan

Water

Activities

Routing

Places

Reflections

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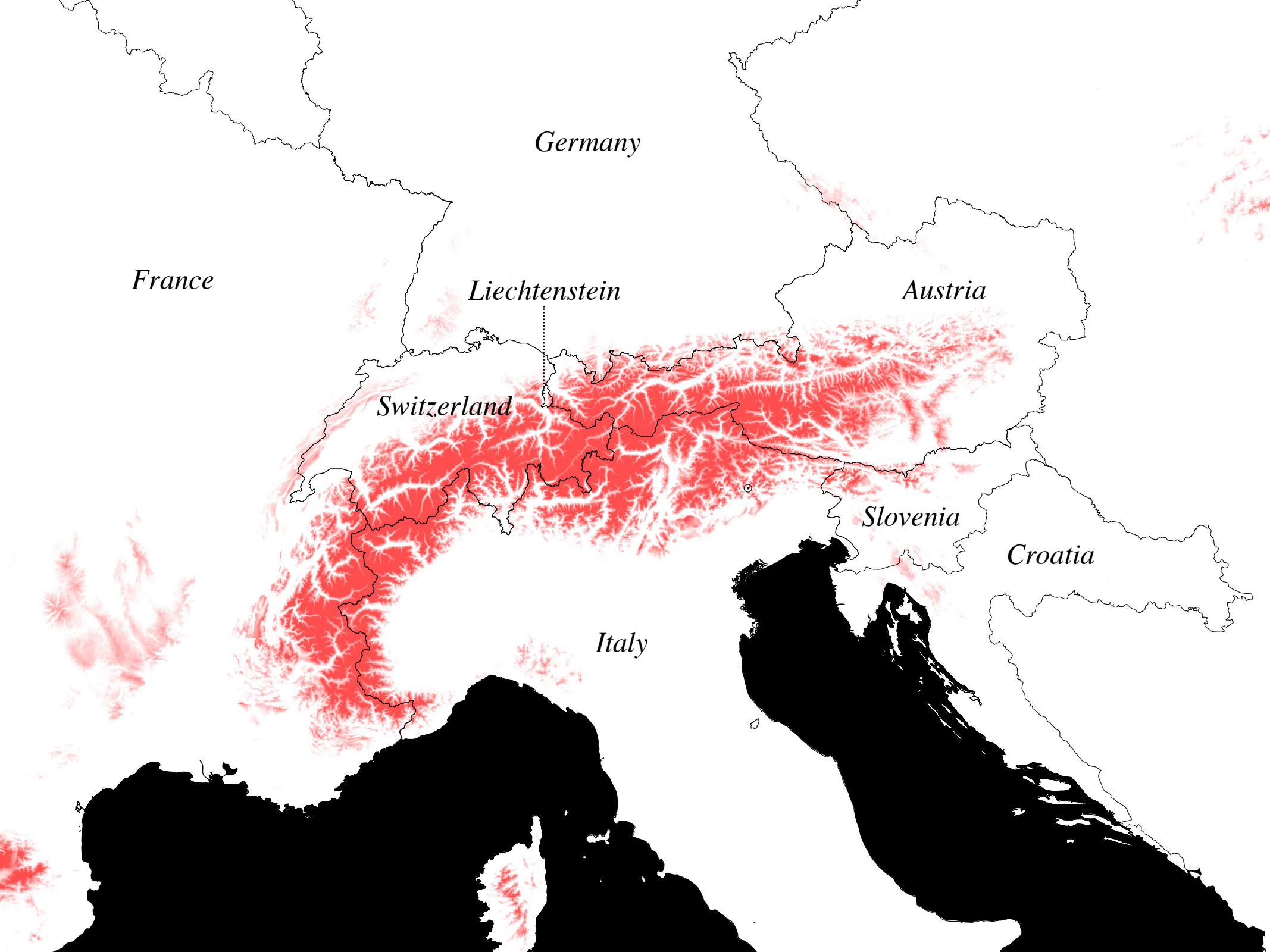
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Germany

France

Liechtenstein

Austria

Switzerland

Slovenia

Croatia

Italy

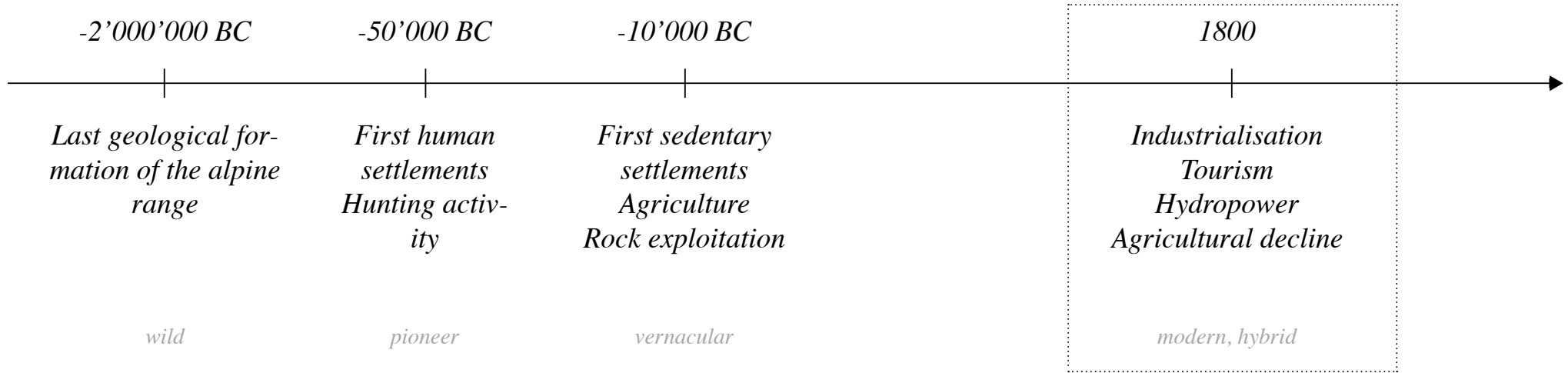


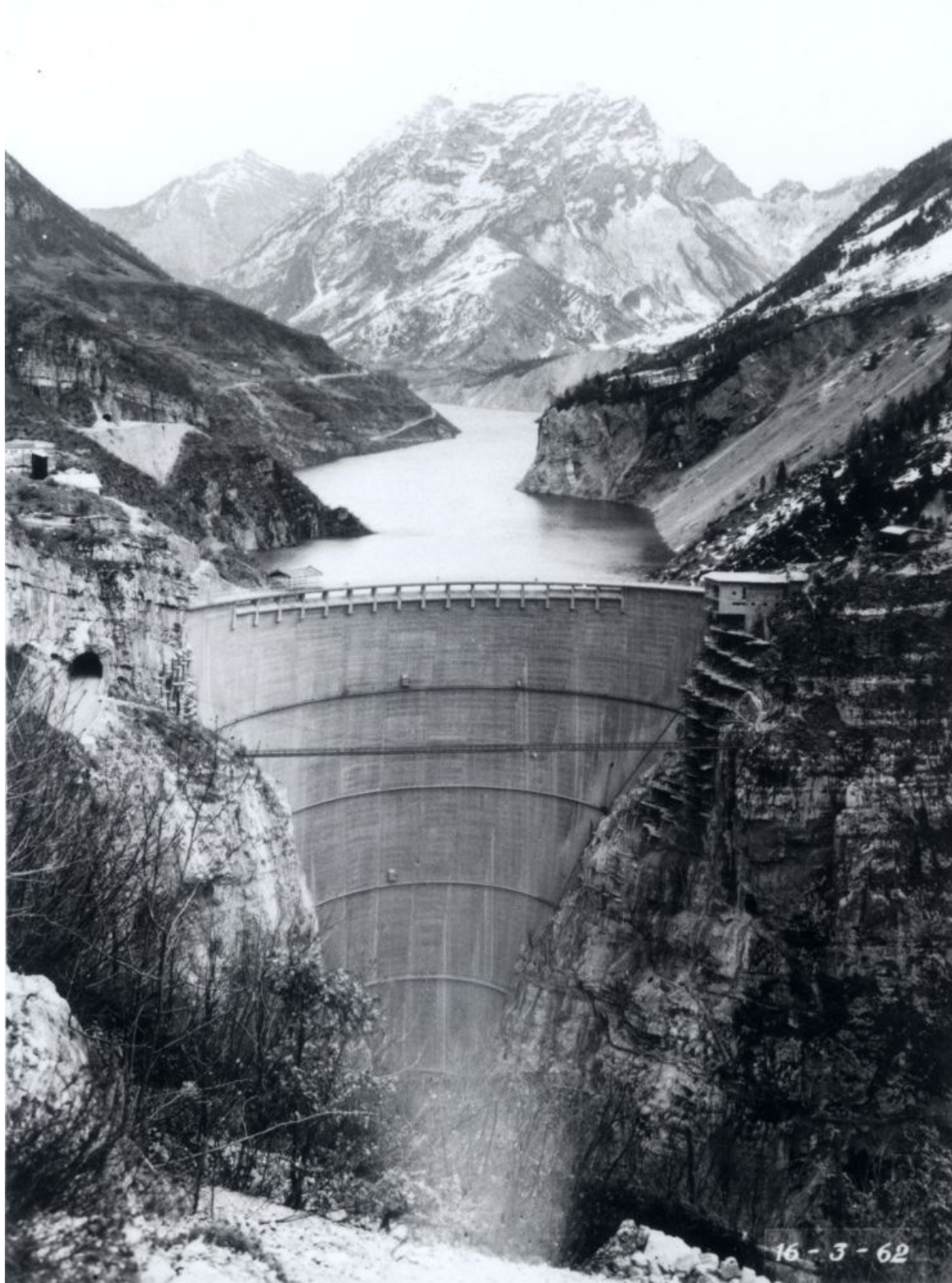
Research question

*What does it mean
to intervene as a landscape architect
in the alpine landscape of our days?*

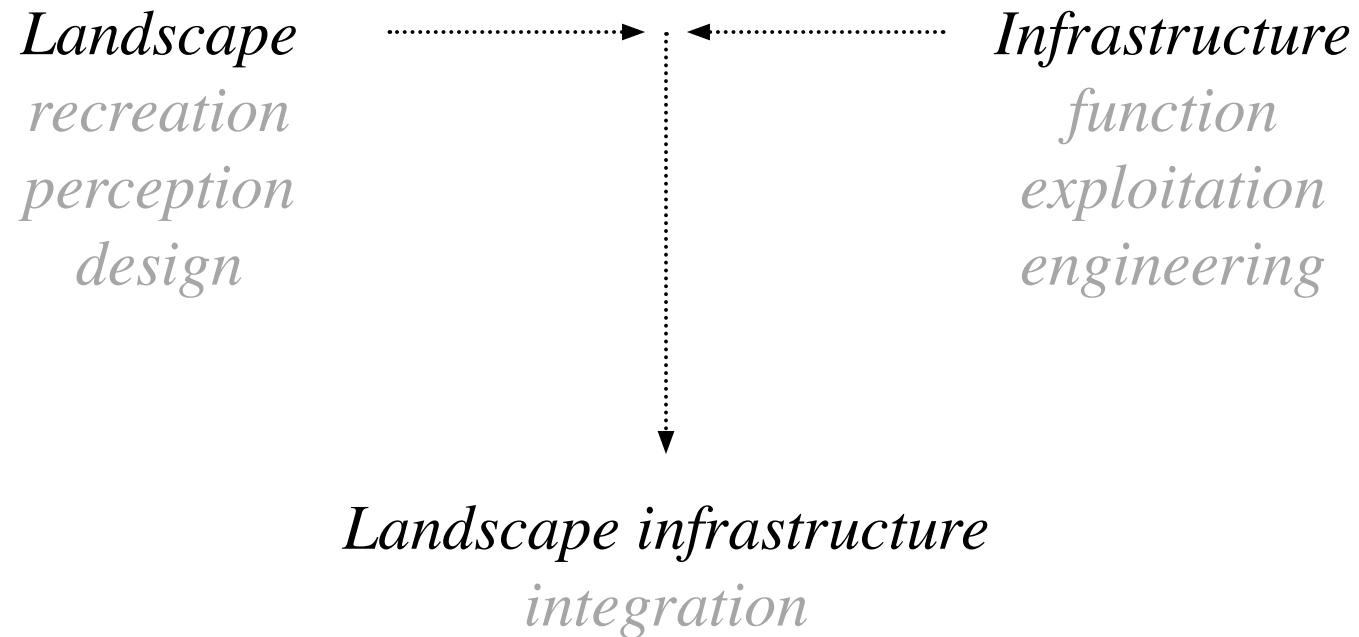
*How can we shape the relation between
men and mountains?*

Man meets mountain: a timeline





Flowscapes graduation studio



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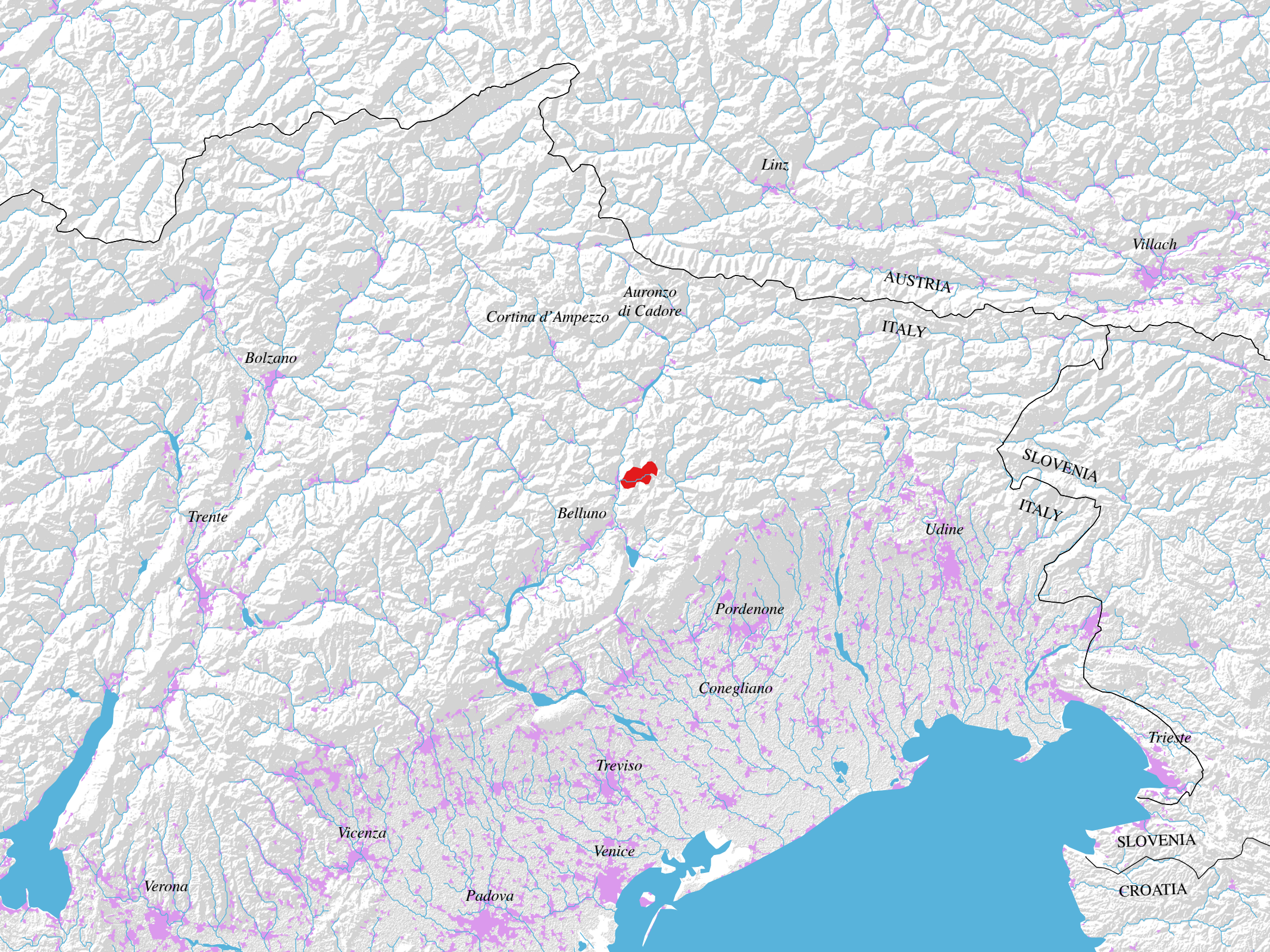
Places

Reflections

Vajont as place

Vajont as case





Linz

Villach

AUSTRIA

Auronzo di Cadore

Cortina d'Ampezzo

ITALY

Bolzano

Trente

Belluno

SLOVENIA

ITALY

Udine

Pordenone

Conegliano

Treviso

Vicenza

Verona

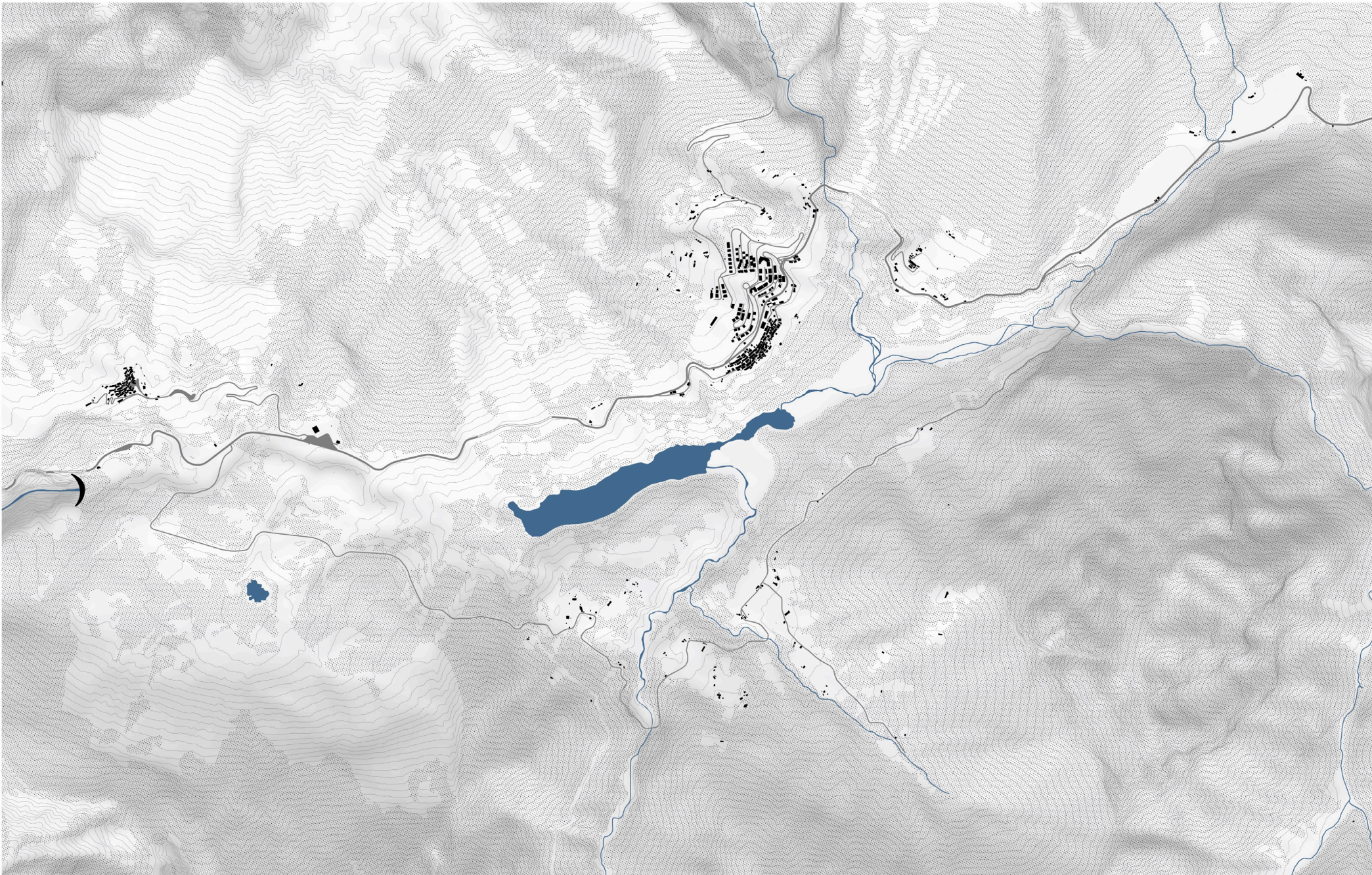
Padova

Venezia

Trieste

SLOVENIA

CROATIA



The Valley of the Vajont today

2000 | 1000 | 500 | 200 | 100 | 0 m.

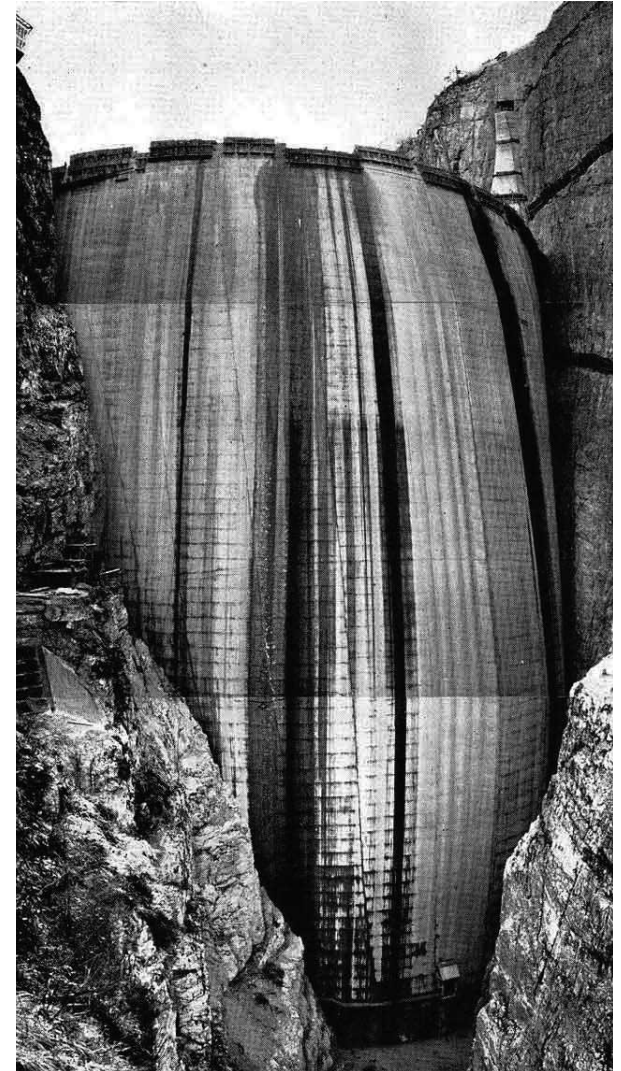
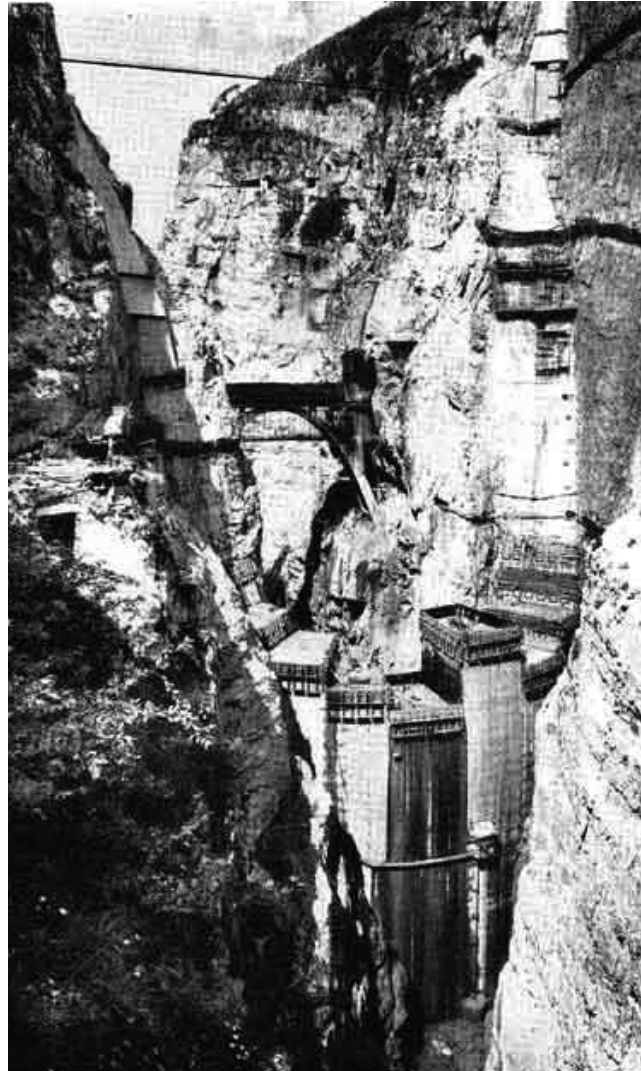
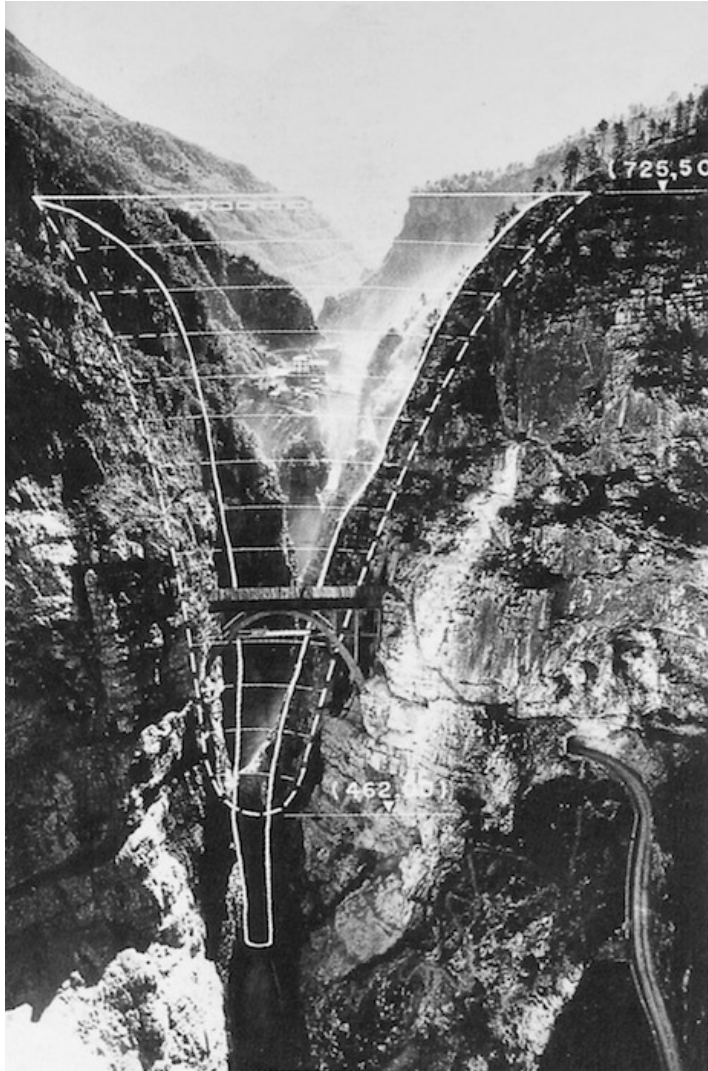
*United Nations, 2008:
«the worst case of environmental management in human history»*

10'000 BC - 1920

Off the map



1920 - 1963
Modernizing



Esondazione

L'onda devastatrice provocata dalla frana del Toc (che in friulano significa "questo", "avariato", infatti si tratta di un monte frangio).

COME UN SASSO IN UN BICCHIERE D'ACQUA

La frana (una massa pari a 720 dighe del Vajont) precipita nel bacino artificiale con una velocità di 100 km/h e sprofonda nel lago in 20 secondi. Ecco che cosa accade ai paesi delle valli.

Monte Salta

Erto

Lago del Vajont

Monte Toc

250 m

Altezza dell'onda, che sfiora Casso e Erto, ma distrugge le frazioni più in basso.

260 milioni di m³

Volume della frana.

2 km

Lunghezza del fronte della frana.

Casso

70/100 km/h

Velocità della frana, che sprofonda in 20 secondi.

50 mln. di m³

Volume dell'acqua fuoriuscita, che si divide in due ondate.

La diga viene scavalcata dall'onda.

70 m

Altezza dell'onda che si abbatte sui fondovalle.

80 km/h

Velocità con cui l'acqua raggiunge Longarone.

Castellavazzo

VALLE DEL PIAVE

Longarone

4 minuti

È il tempo che passa tra la frana e l'inondazione di Longarone, che distrugge l'intero paese prima di prendere la via del mare.



We design

points of approach

in the present experience

on basis of the past memory

for the future. hope

experience

memory

hope



Strong

Abandoned

Consequences

Eroding

Accident

Undealt with

Visitors

Monument

Failure

Young

No-man's-land

Unusual

Untouched



Impressive

Extensive

Introverted

Hidden

Isolated

Deep

Secret side

Scarce

Empty

Uninhabited

Spectacular

Unaccessible

Alive

Uncanny

experience

memory

hope

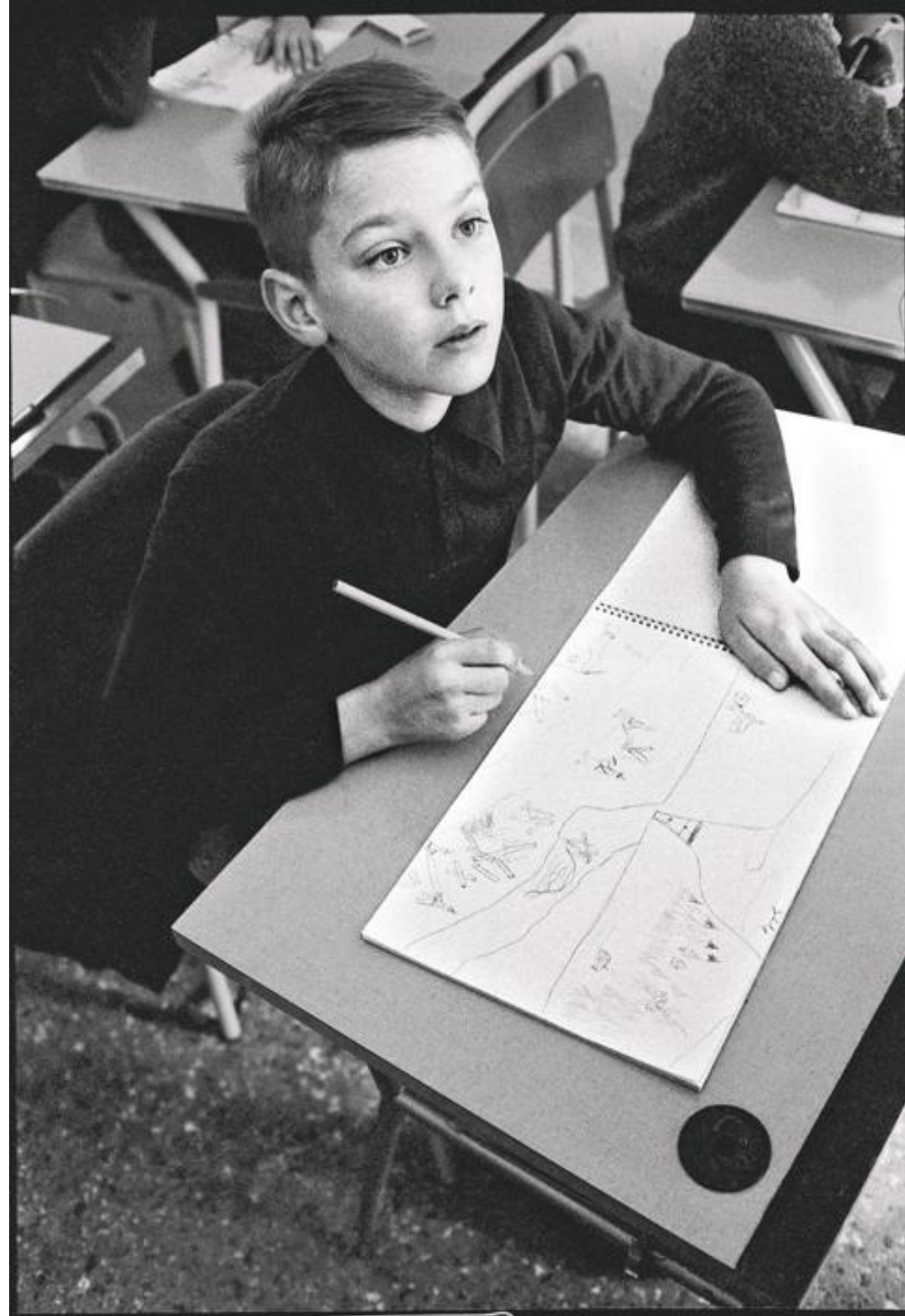
Individual memory
Trauma



Societal memory Blockage



Social memory
Identity



Memory of the landscape
Vajont dam



Memory of the landscape
The scar in the mountain



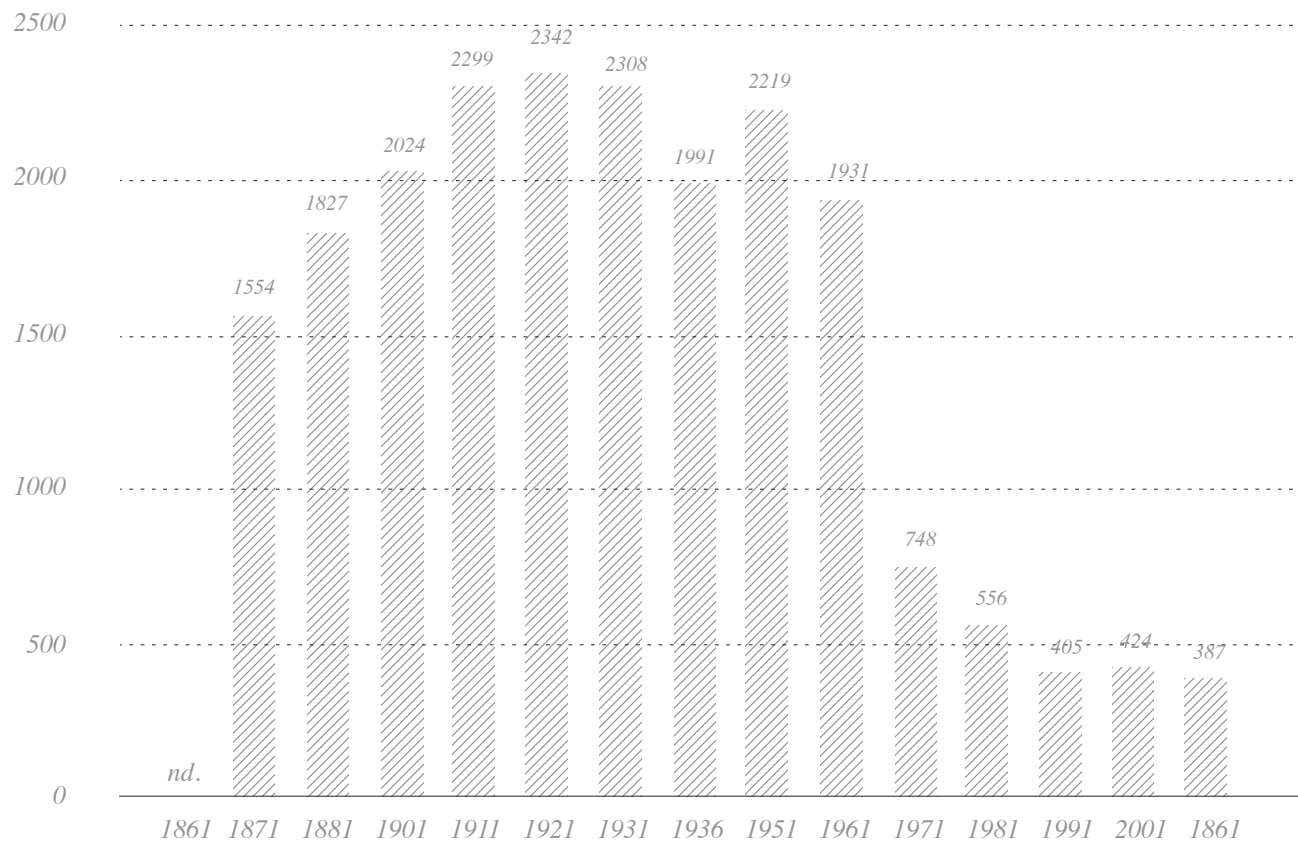
Memory of the landscape
Memorials



experience

memory

hope



Population of Erto e Casso municipality

Source - ISTAT



*Source -
www.mementoloci.altervista.org*

«what will young people do?»

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Problematique

Issues

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To propose the design of a landscape infrastructure which will

- .Shape conditions for rich and diverse experiences, both playful and uncanny*
- .Enhance conditions to engage with memory*
- .Create hope for the future of communities within this landscape*

how do we achieve this?

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EXPERIMENTS

TRACES
REGENERATION THROUGH DISASTER MEMORY AND TOURISM

HEALTH TOURISM
 CLOW TOURISM
 (S) (S) WORKERS
 RUI XE LAU BUS
 LE SUBURBAN
 ALTERNATIVE

TO BE OPEN TO THE
 THE LAND IS OPEN

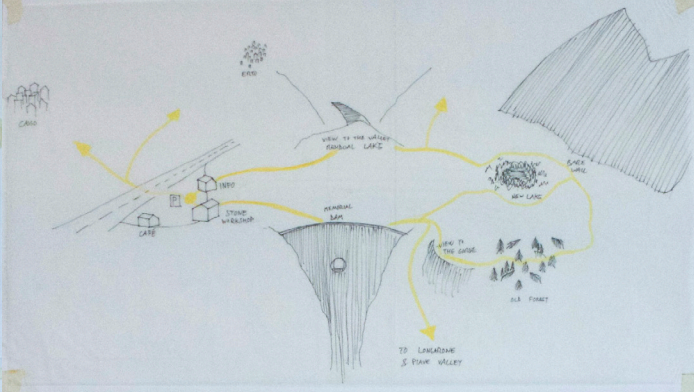
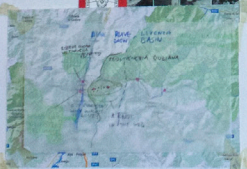


MUSEO

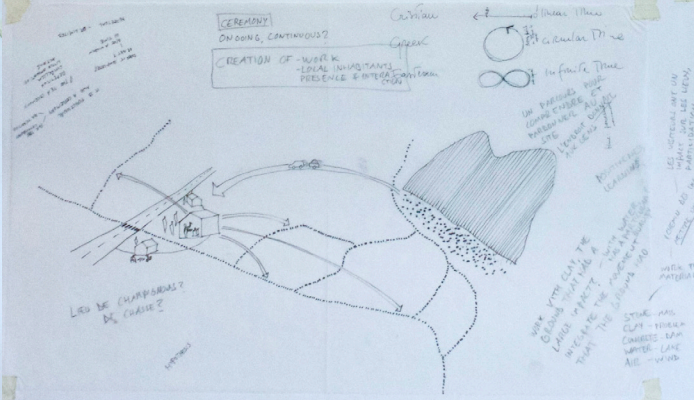
CASTELLAVAZZO
 Vi aspettiamo
 con un aperitivo
 con un aperitivo
 con un aperitivo

Piotta Scalpellini

www.piottrascalpellini.it



THE STORY IS WRITTEN IN THE LANDSCAPE, WHERE?



EXPERIMENTS: PUT IT UP
 TOPOGRAPHIC INTERVENTION
 REGENERATION THROUGH AGRICULTURE
 HYDROELECTRICITY
 LE-SCALE
 IMAGE

IN GREAT DETAIL
 THE EXISTING
 THE LAND IS OPEN

AGRICULTURE - LANDSCAPE

HYDROELECTRICITY - WATER WORKS

AGRICULTURE PLAN + WATER LEVEL

AGRICULTURE PLAN + WATER LEVEL

AGRICULTURE PLAN + WATER LEVEL

BACK TO INTENSE LEVEL

MAX LEVEL

WATER COURSEWORK

PAINTINGS OF VENICE

BARIS

WATERWORK

LANDSCAPE - MEMORY (THIS) WORK

to re-create the Vajont Lake

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Tides without waves

Confronting the Vajont

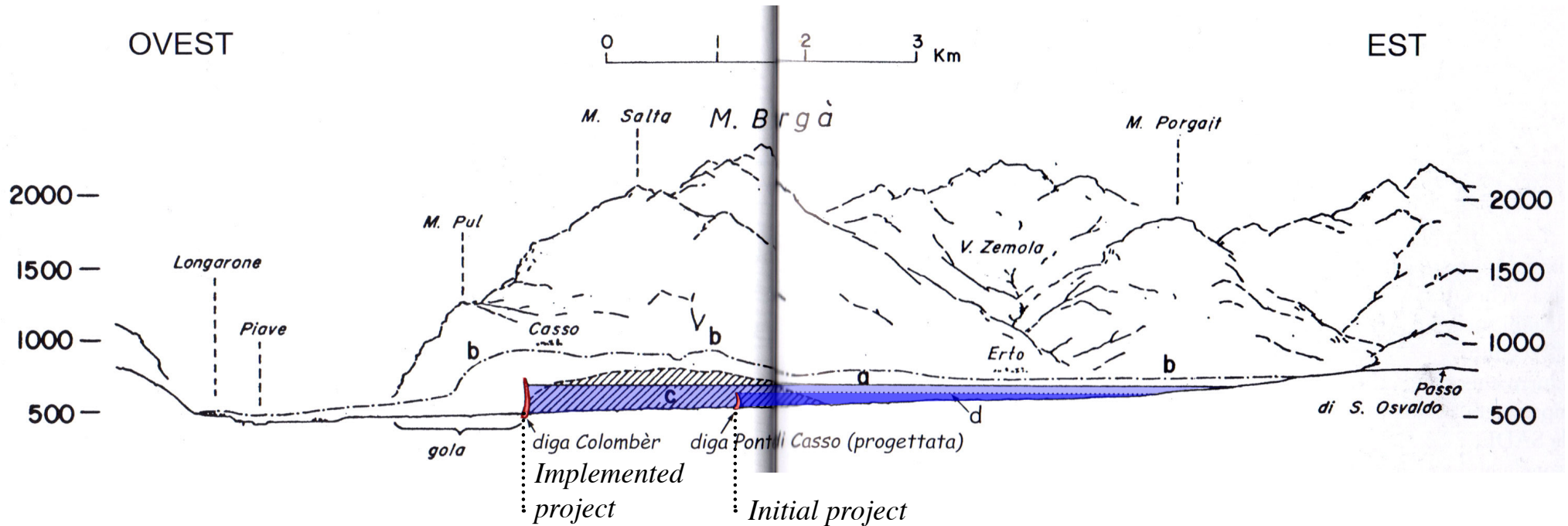
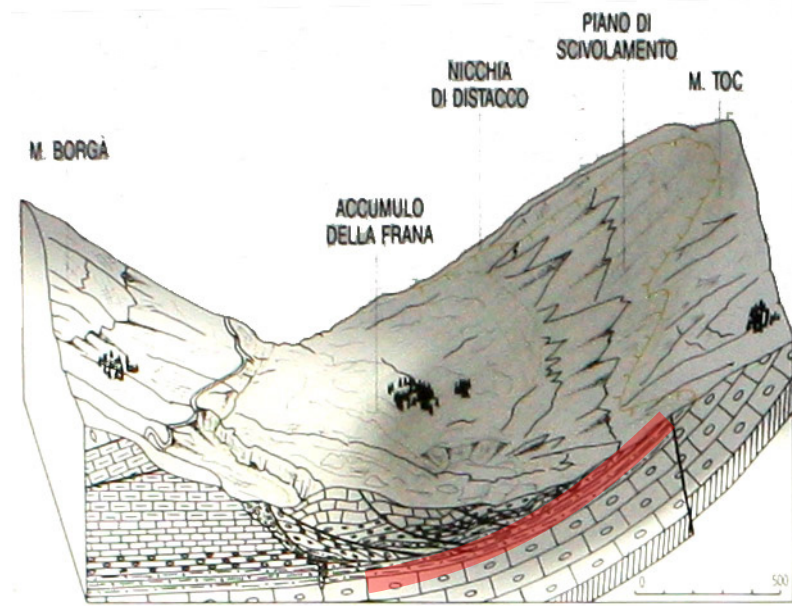
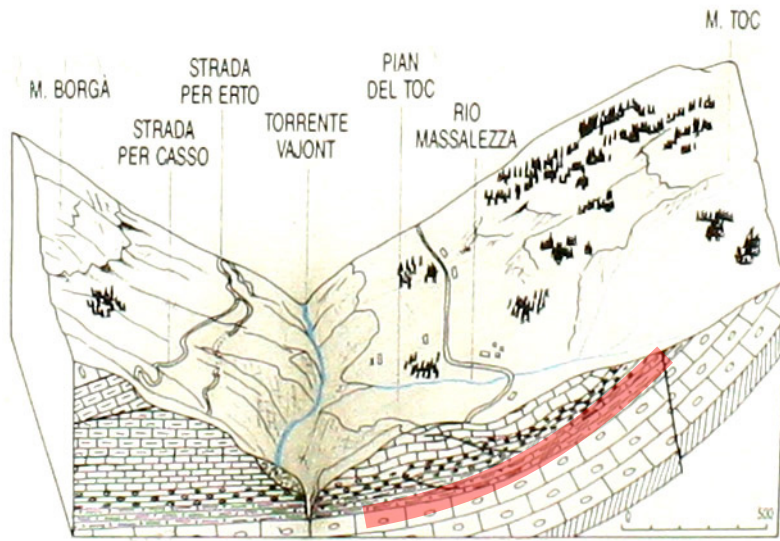
The contemporary alpine landscape

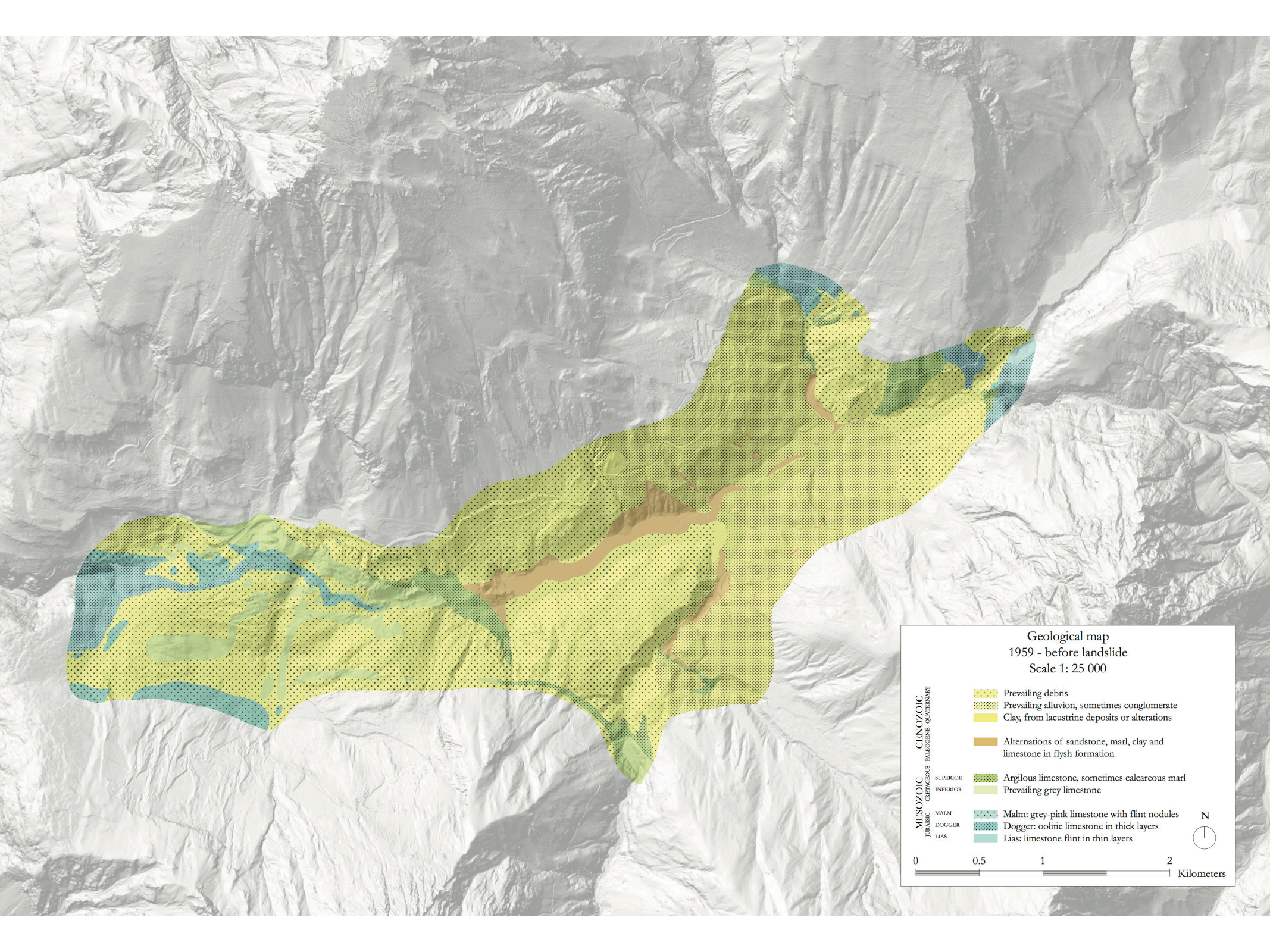
Beyond memory

Frits van Loon – Luisa Calabrese – Saskia de Wit – Nico Tillie – Mauro Gallo – Giovanni Bertotti – Maurits Ertsen – Thomas Oesch – Antonia Koukouvelou – Paul Sunderland – Homeira Sunderland – Tim Pham – Nicolas Marx – Jonas Meylan – Claartje Vuurmans – Benjamin Gmür – Veronika Paessler – Max Van den Berg – Marina Caneve – Fulvia De Damiani – Mauro Lampi – Enrico Mazzuco – Giovanni Mazzuco – Carlo Corona – Cecilia Corona – Delfina Straga – Gaila Constantini – Damien Hominal – Aymen Mnif – Lennard

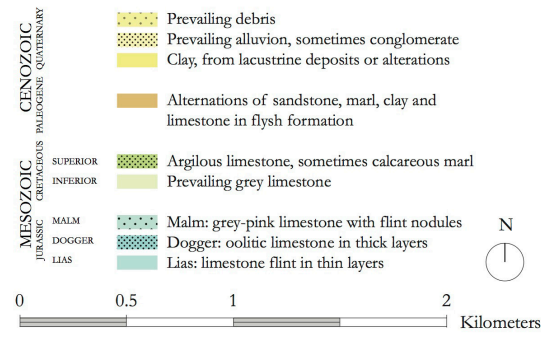
Acknowledgements

Hydrogeological security

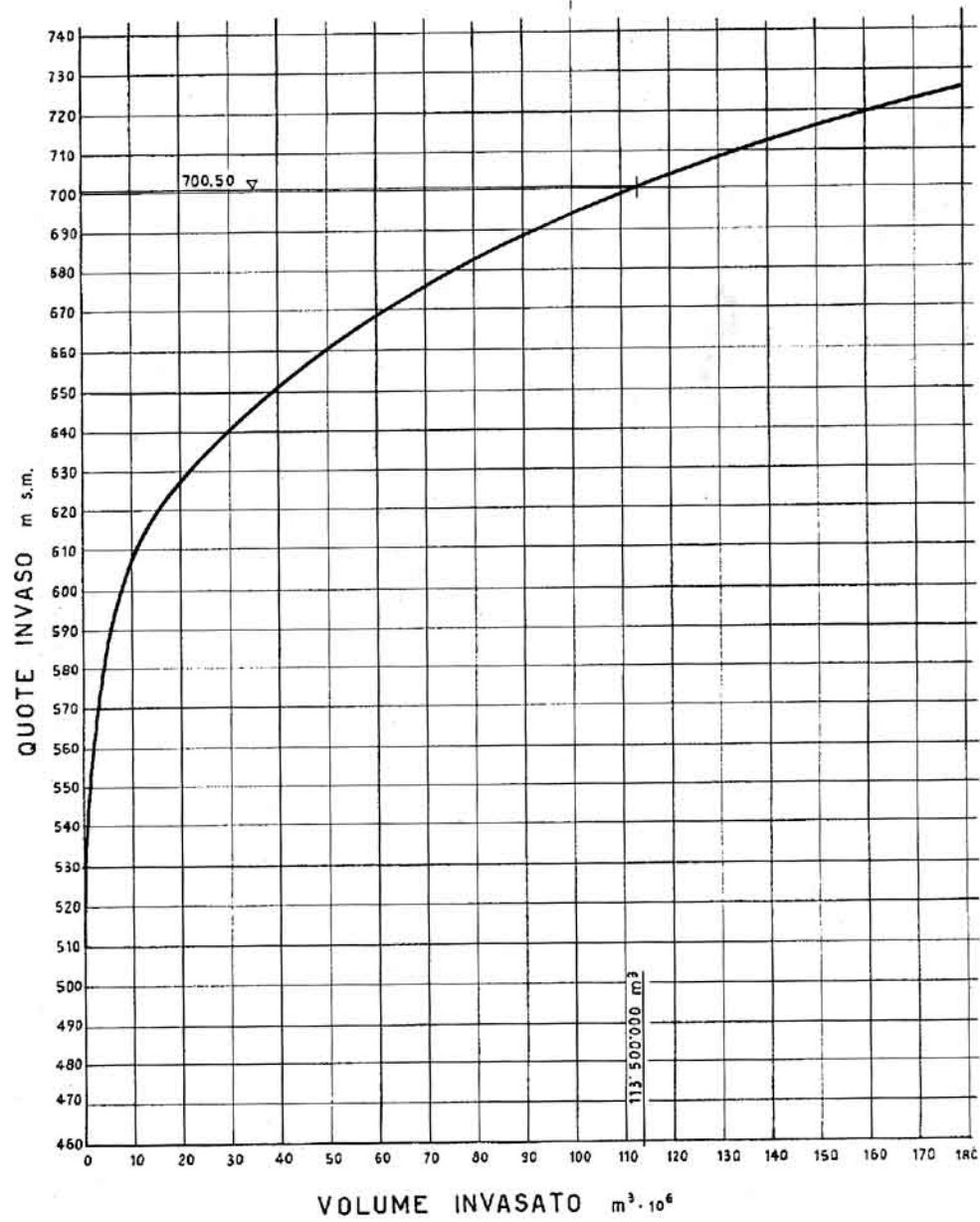




Geological map
1959 - before landslide
Scale 1: 25 000



CURVA D'INVASO



10. L'invaso del bacino del Vajont.