Tides without waves
The waters of the Vajont

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Graduation thesis

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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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Reflections
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

-2’000’000 BC
Last geological formation of the alpine range

-50’000 BC
First human settlements
Hunting activity

-10’000 BC
First sedentary settlements
Agriculture
Rock exploitation

1800
Industrialisation
Tourism
Hydropower
Agricultural decline

Wild, pioneer, vernacular, modern, hybrid
Flowscapes graduation studio

Landscape
recreation
perception
design

Infrastructure
function
exploitation
engineering

Landscape infrastructure integration
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Reflections
Vajont as place

Vajont as case
United Nations, 2008:
«the worst case of environmental management in human history»
10'000 BC - 1920

Off the map
1920 - 1963

Modernizing
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 in paesi delle valli.

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

- **250 m**
  Altezza dell'onda, che sfiora Casso e Erto, ma distrugge le frazioni più in bassa.

- **260 milioni di m³**
  Volume della frana.

- **50 min. di m³**
  Volume dell'acqua fuoriuscita, che si divide in due onde.

- **2 km**
  Lunghezza del fronte della frana.

- **70 m**
  Altezza dell'onda che si abbatta sul fondovalle.

- **70/100 km/h**
  Velocità della frana, che sprofonda in 20 secondi.

- **80 km/h**
  Velocità con cui l'acqua raggiunge 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.

**VALLE DEL PIAVE**
We design points of approach

in the present experience
on basis of the past memory
for the future. hope
experience
memory
hope
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
«what will young people do?»
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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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to re-create the Vajont Lake
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Reflections
Tides without waves
Confronting the Vajont
The contemporary alpine landscape
Beyond memory
Acknowledgements
Hydrogeological security
10. L'invaso del bacino del Vajont.