

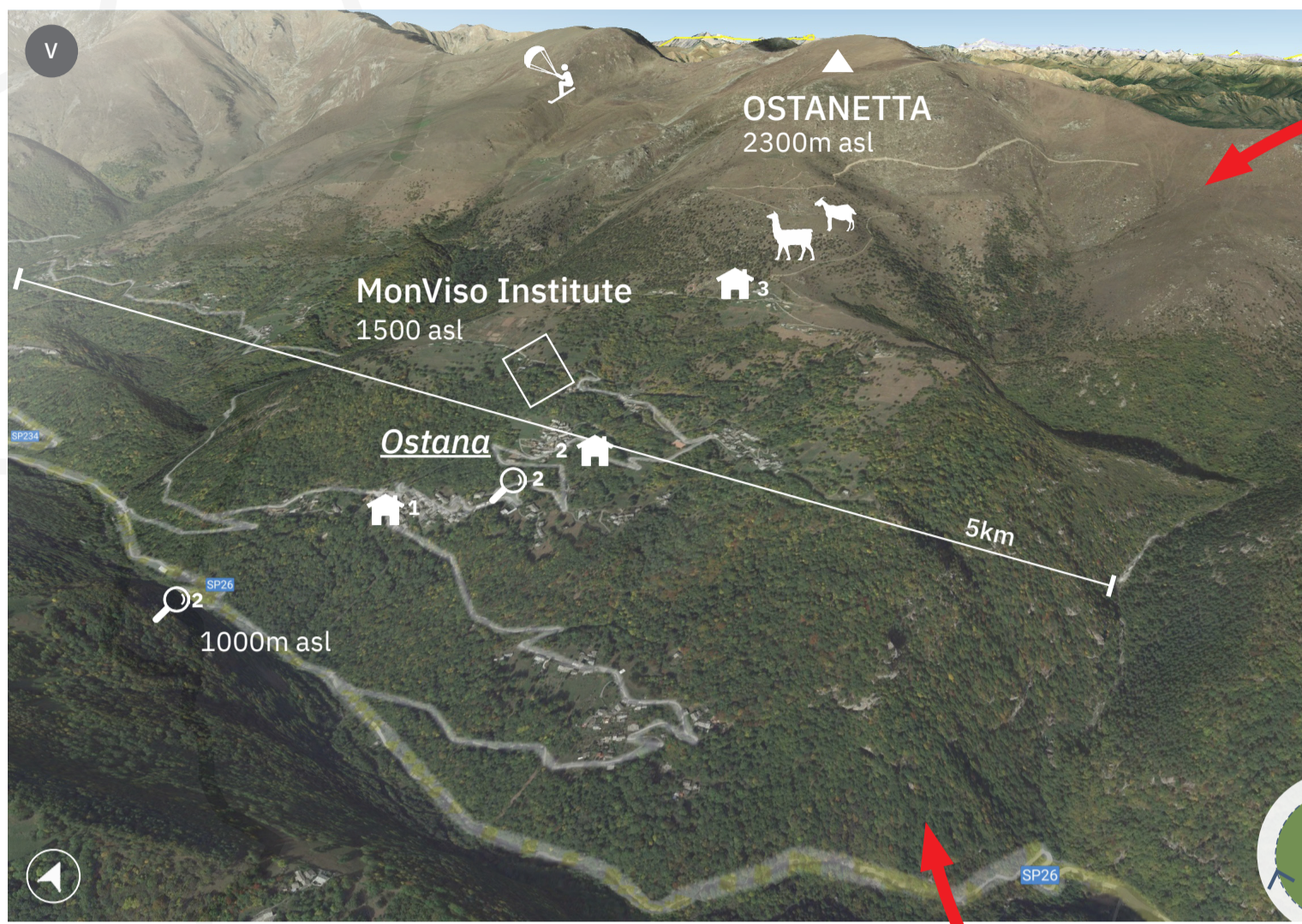
HIGH PO RIVER VALLEY

Regeneration across governance scales in the High Po River bioregion
The MonViso Institute (MVI) bioregional weaving lab

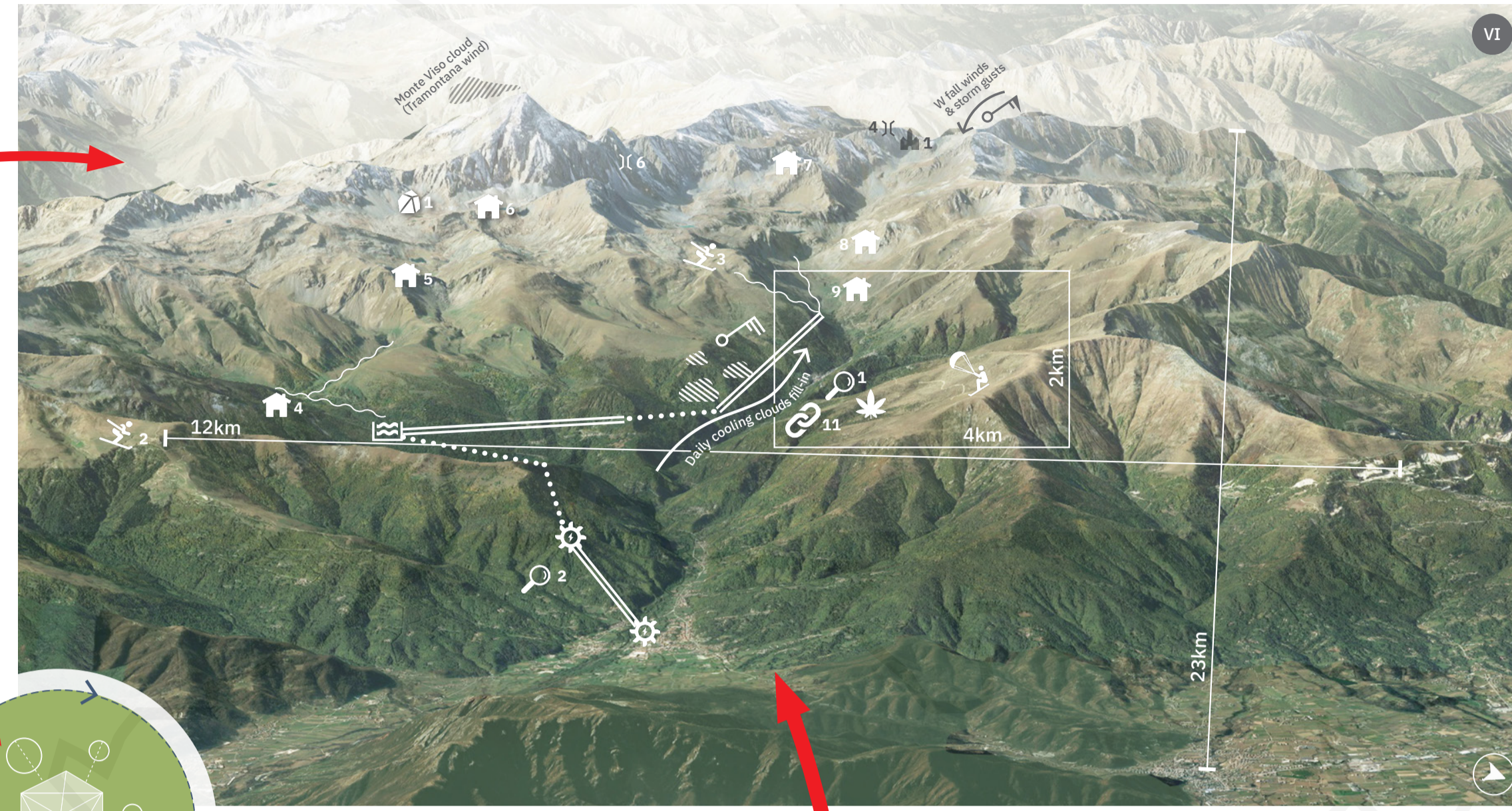
<https://monviso-institute.org>



CITY COMMUNITY



II RAW MATERIALS



LANDSCAPE VALLEY

This map shows examples of the bioregional weaving activities of the MonViso Institute, founded 2015 in the reviving mountain village of Ostanetta, nestled on 1500m asl in the Upper Po River Valley, near the spring of the Po river and the border to France. We define weaving as the processes of creating and nudging circularities between place specificity and the (global) meta perspective for designing resilient regenerative systems.

- WATER: VI, V**
- Construction of a large natural pond as habitat on the dry Southern valley side of Ostanetta
 - Development of a phytodepuration system for better black water treatment in widely spread septic systems
- REGIONAL ECONOMY AND SOCIAL-ECOLOGICAL SYSTEM: IV**
- Ostanetta social network analysis for resilience assessment (Uni Lugano, AHO Oslo)
 - Ostanetta and Valle Po circularity analysis (ETH)
 - Regenerative Design Talks (offered in Ostanetta and online)
 - PhD summer school on alpine-urban resilience (ETH and EPFL)
 - Systemic Cycles activity with partner visits, repetitively
 - Local jobs inclusion in MVI construction and operations

- LAND USE: V, VI**
- Rethinking cow grazing in the mountains for alternative land use
 - Growing Paulownia
 - Growing hemp
- TOURISM: VII**
- Annual bioregional TransOccitan ski safari Chamonix to Ostanetta, with a local meeting between global and local thinking
 - Systemic Cycles as new bioregional tourism weaving activity
 - Snow kiting introduction as activity in changing winters
 - Bike-hike "recycling steel" tours to connect with local mountain people and handcraft circular knives with Grown Design

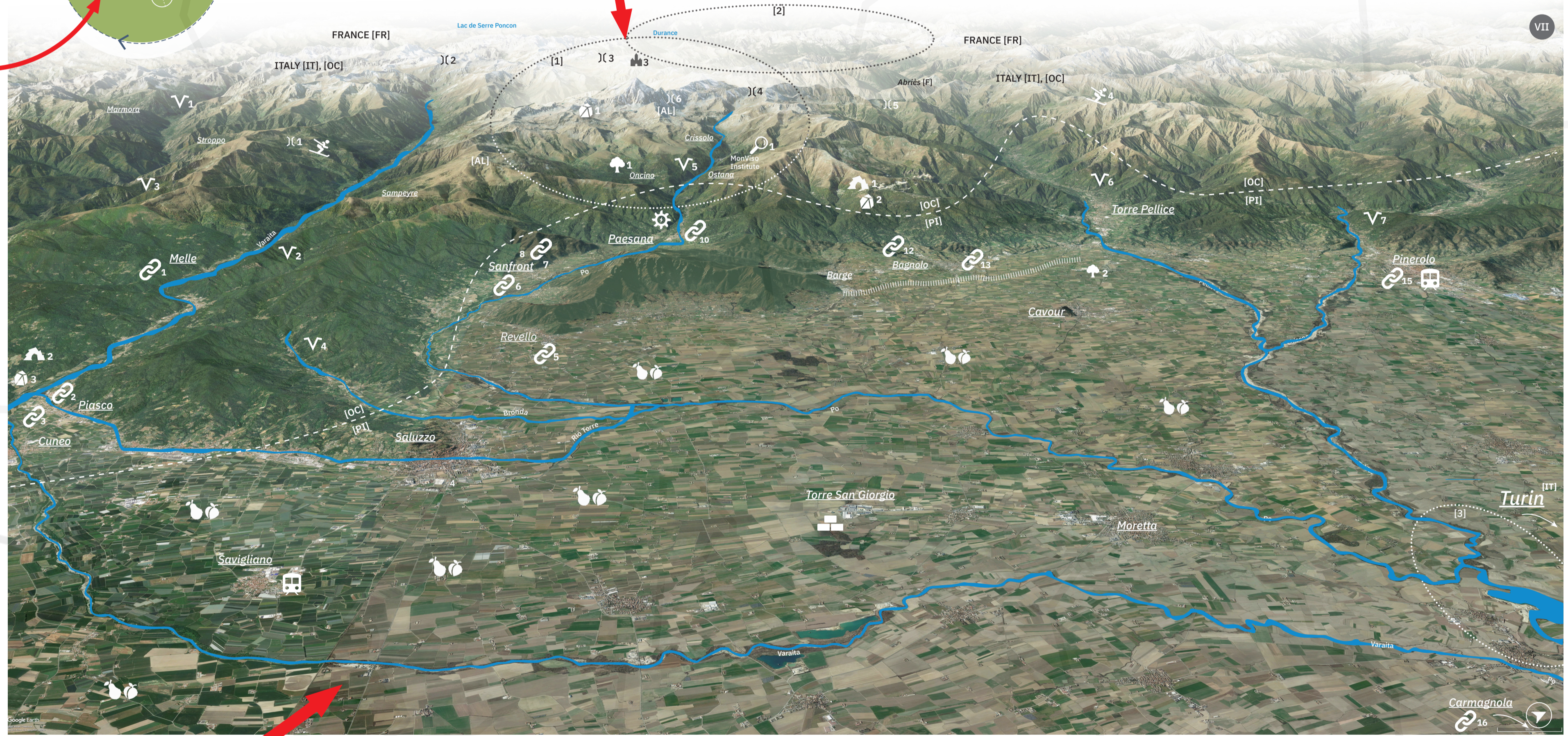
- MOBILITY: V, VI**
- Ostanetta mobility experiments (Uni Lugano)
 - Ostanetta e-mobility test demo days with regional actors
- BUILDINGS AND ARCHITECTURE: I, II, III, IV**
- Development of a passive netpositive wood-stone-hemp house as demonstrator for regenerative building design
 - New photovoltaic roof and facade integration design
 - Joint production of chestnut windows and doors (chestnut forests (not plantations) with local Cobola firm (Sanfront) for a new regional supply chain

GREEN CHEMISTRY I

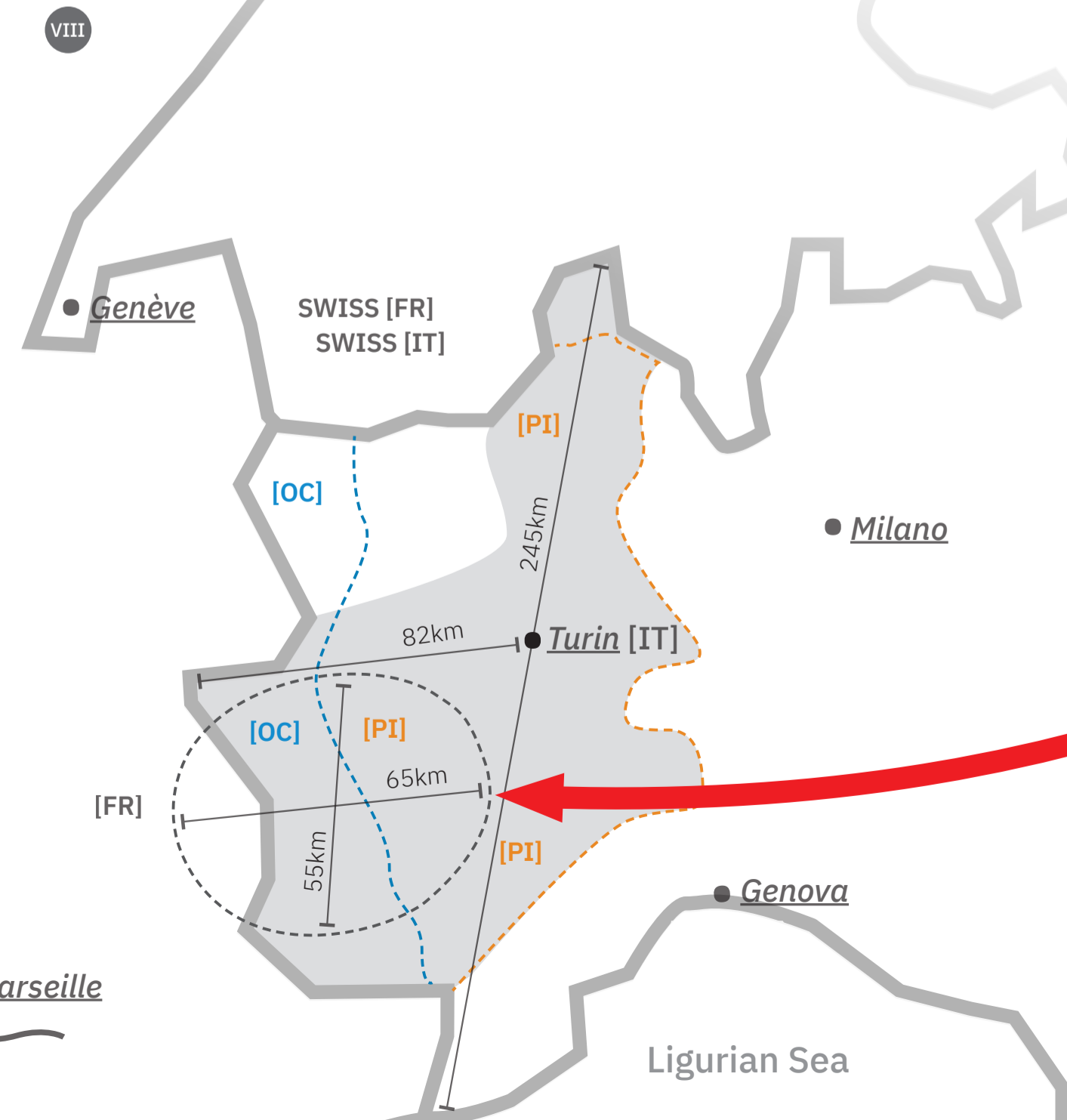


BUILDINGS CAMPUS

III PRODUCTS & GOODS



TRANSNATIONAL SCALE



BIOREGION

WATERSHEDS

- Varaita river
- Bronda
- Rio Torto
- Po river
- Pellice river
- Chisone river
- Durance

TOPOGRAPHY

- V 1 Valle Stura
- 2 Valle Varaita
- 3 Valle Maira
- 4 Valle Bronda
- 5 Valle Po
- 6 Valle Pellice
- 7 Valle Chisone
-) 1 Colle di Sampyre
- 2 Col de La Madeleine
- 3 Col d'Agnel
- 4 Colle Traversette
- 5 Col d'Urine
- 6 Canale Due Dita
- 1 Montoso cave
- 2 Rossana ave
- 3 Montebacco cave

LAND COVER AND USE

- 1 Larch forest
- 2 Swiss Pine forest
- 1 Deciduous agri-forests
- 2 Chestnut forests
- Industrialized fruit growth
- Small scale agriculture, blueberries
- Hemp
- 1 Poplar plantation
- 2 Paulownia plantation
- 3 Chestnut plantation
- 1 Lavender
- 2 Arnika, other medicinal herbs

- Cow grazing mountain pastures
- Sheep and goats grazing
- Lamas breeding
- Honey bees
- 1 Montoso mine / Pietra Luserna
- 2 Mombacco mine
- 3 Rossana mine

- PROTECTED AREAS
- [1] Parco MonViso
 - [2] Parc Natural de Queyras
 - [3] Riserva Naturale
 - [4] Speciale Confluenza del Pellice
 - [5] Riserva Naturale
 - [6] Speciale Confluenza del Varaita

CULTURE (language, activities)

- [PI] 1 Piemontese dialect
- [OC] 1 Occitan language
- [IT] 3 Italian
- [FR] 4 French
- [AL] 5 Alpinism

- RESEARCH AND EDUCATION
- 1 MonViso Institute, bioregional weaving lab
 - 2 Alpstrem, fresh water research center

- ENERGY: HYDROPOWER PLANT
- Turbine
 - Collector

MOBILITY

- Train stations
- Mountain passes
- Bike paths

- HISTORICAL ASSETS
- 1 Buco del Viso tunnel
 - 2 Balma Boves ancient village
 - 3 Chateau Queyras

- SKI RESORTS
- 1 Sampyre Ski
 - 2 Plan Mune Ski
 - 3 MonViso Ski
 - 4 Prali Ski

SNOWKITING

WEAVING PARTNERS

- 1 Antagonisti
- 2 Calce Piasco
- 3 Kauss
- 4 eViso
- 5 Banca Bene
- 6 Cobola windows
- 7 Barra segheria
- 8 Diego segheria
- 9 Fonti di Alta Valle Po
- 10 Valle dell'Ecco
- 11 Coop Viso a Viso
- 12 Alpe srl
- 13 Fit Milk
- 14 Il Frutto Permessio
- 15 Bikecafe
- 16 Carmagnola Hemp Museum

RIFUGIO

- 1 Rifugio Galaberna
- 2 Foresteria / Viso a Viso
- 3 Agritu A nostro mizoun
- 4 Bigorie
- 5 Rifugio Alpetto
- 6 Rifugio Quintino Sella
- 7 Rifugio Giacolettio
- 8 Pian del Re
- 9 Pian del Regina

Adriatic Sea