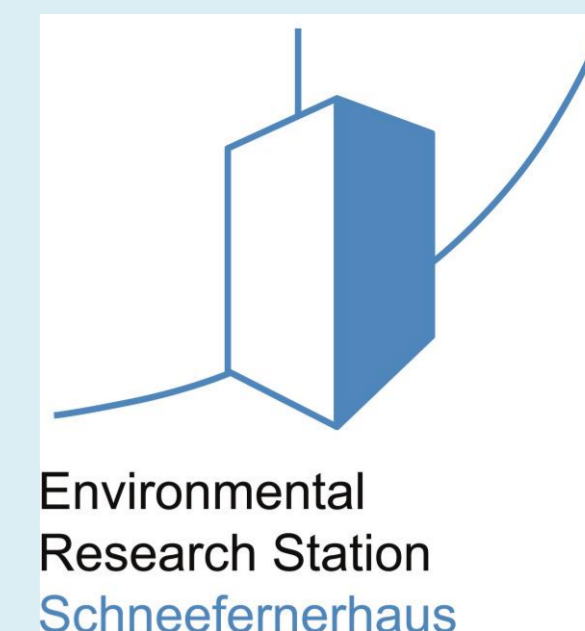




The Virtual Alpine Observatory VAO

Observe, Understand, Forecast, Act

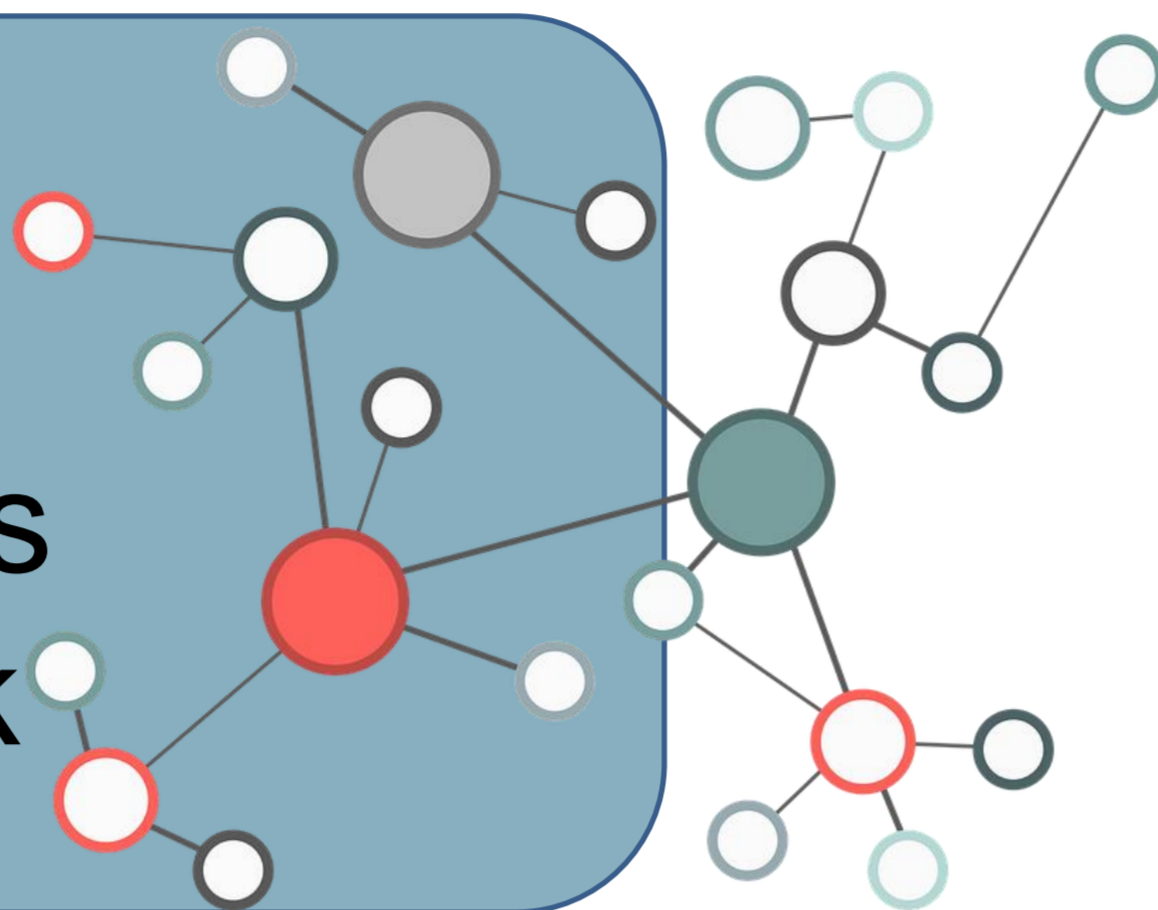
Inga Beck, Michael Bittner, Birgit Einhellinger



Network of European high altitude research stations, based in the Alps and similar mountain regions to foster international cooperation as well as to join forces and experiences of different research teams

MOTTO

Scientific cooperation – joining forces and resources to avoid duplication of work



VISION

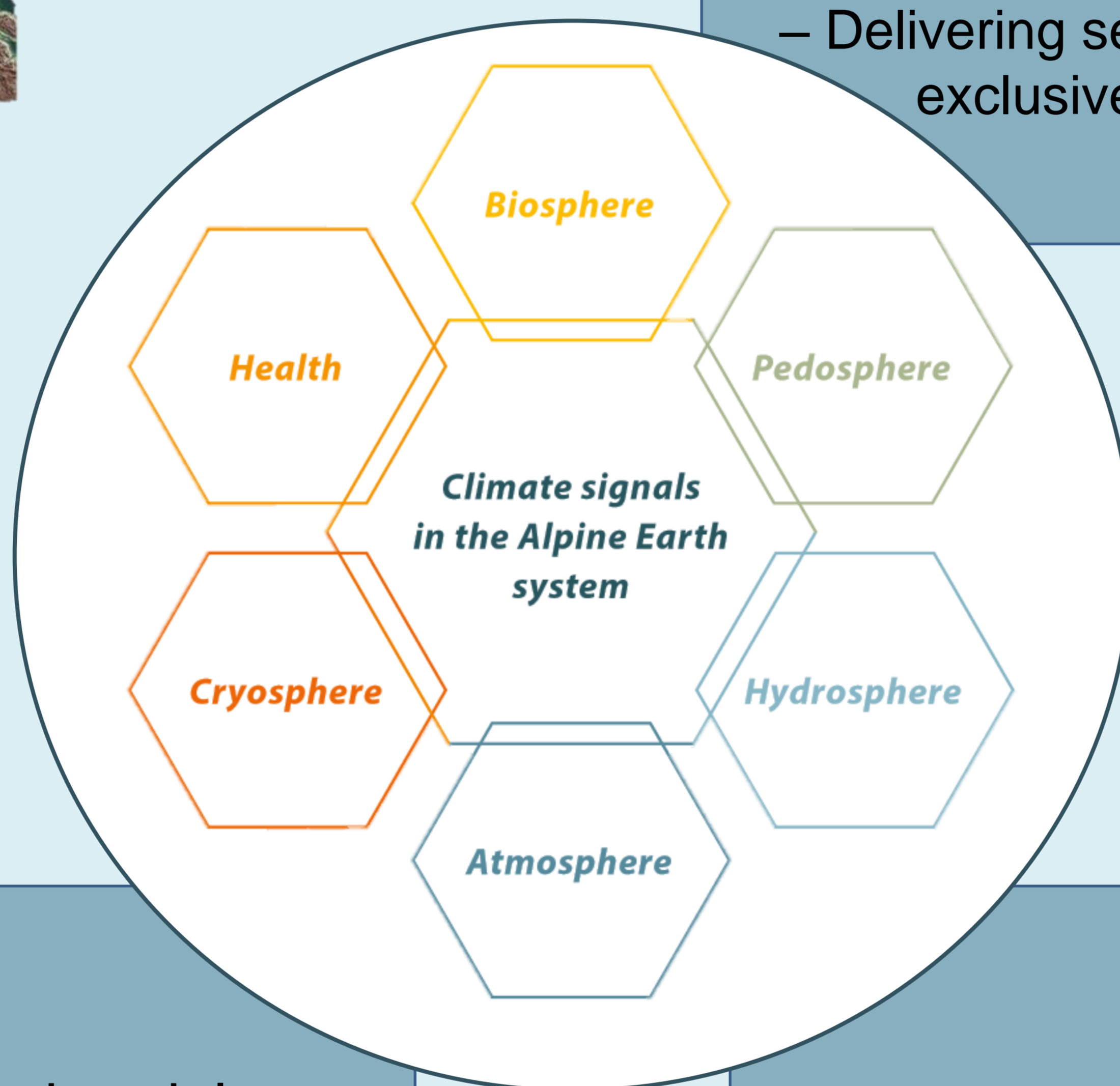
- Setting new standards (new instrumentation, cooperation with industry)
- Providing information (products, data analysis)
- Scheduling measurement procedures (harmonized between measurement sites, customized to a specific application)
- Archiving and delivering data
- Delivering services addressing especially but not exclusively public needs (service on demand)

VAO Research Stations

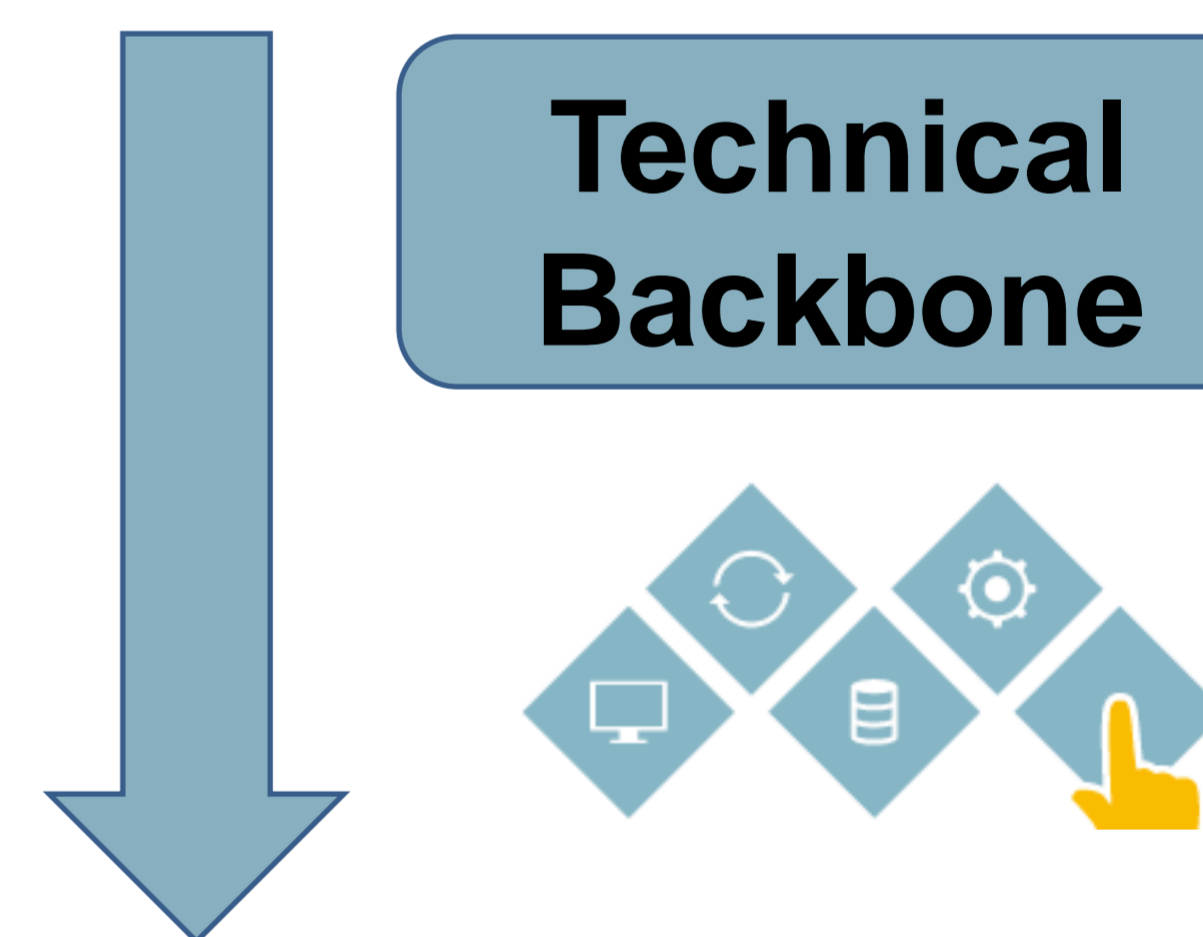


- Environmental Research Station Schneefernerhaus
- Schauinsland Observatory
- Hohenpeißenberg Observatory
- Observatoire de Haute-Provence
- Station Alpine Joseph Fourier
- Vallot Observatory
- Sentinel Alpine Observatory
- Eurac LT(S)ER
- Sonnblick Observatory
- High Altitude Research Station Jungfrauoch
- High Altitude Research Station Gornergrat
- Otlica Observatory

Research Topics



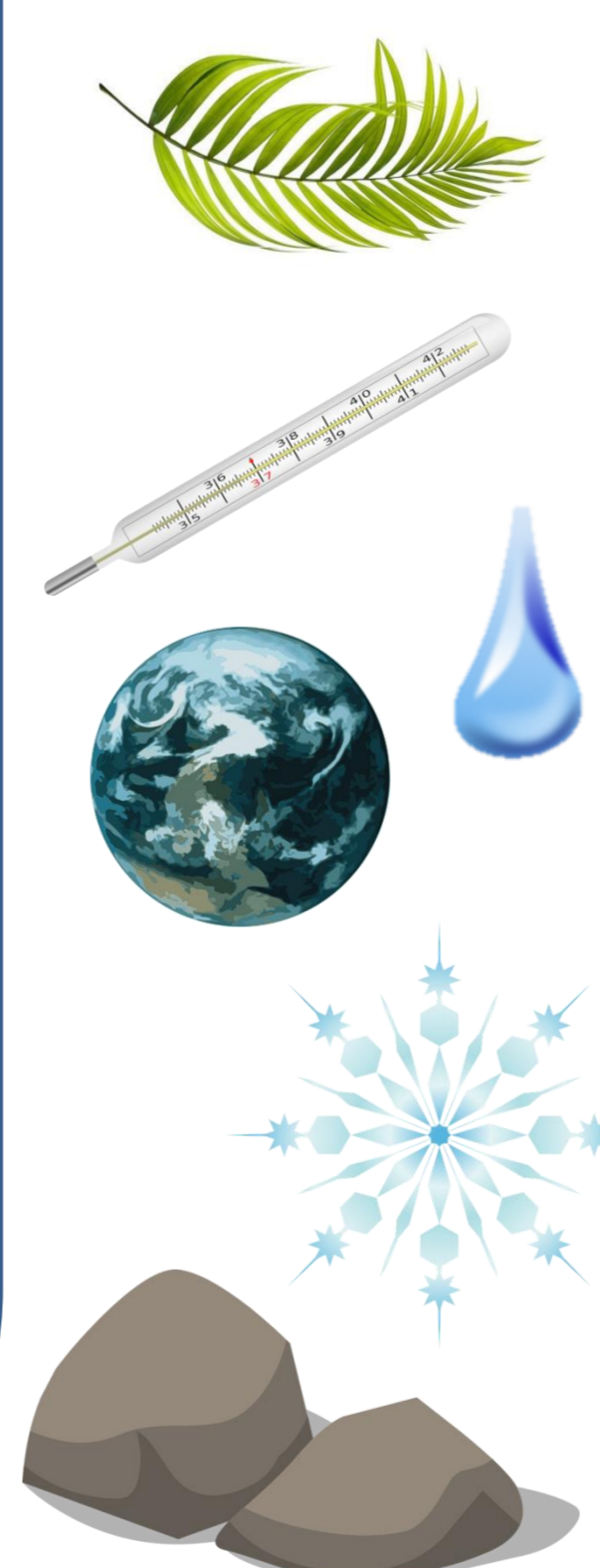
Technical Backbone



MISSION

Addressing interdisciplinary and social challenges in the fields of climate change and economic development in the Alpine region

- How do ecosystems respond to the two recent climatic and socioeconomic trends?
- What are the scientific processes?
- How to calibrate / optimize / standardize monitoring tools and methodological approaches
- Which information need to be communicated ?



AlpEnDAC

- computing-on-demand (CoD):** information products and data analysis tools tailored to scientific needs
- operating-on-demand (OoD):** coordinated measurements harmonized between different sites
- data-on-demand:** archiving and delivering data
- service-on-demand (SoD):** delivering services addressing especially – but not exclusively – public needs.



Save the date:

6th VAO Symposium,
22–24 March 2022

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