

Mountain huts: laboratories for environnemental and cultural

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Monitoring changing mountains

change

The RefLab program focuses on a monitoring of social and environmental change in mountain areas. It aims to cross questions between natural and social sciences, to develop suitable methodologies for carrying out long-term observations and research. It is based on a network of mountain huts considered as privileged laboratories for tourist diversification

A participative observatory

RefLab is based on a partnership gathering voluntary professionals (hut keepers, mountain guides), protected areas, sport federations, rescue services and tourist offices, who contribute the orientation of the program, the collection and enhancement of data.. Each year an "end-season debriefing" enable to share information in order to build a collective and territorial intelligence

Cultural transformations

(researchers....)

Adaptation? Climate Innovation?

change

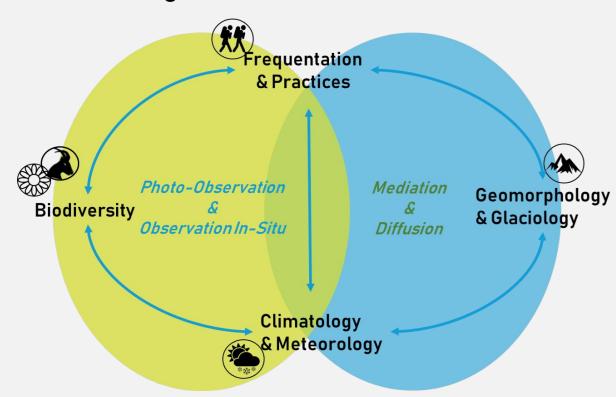
Operational knowledges (with and for the stakeholders & professionals)

- Collective and territorial intelligence...
- Observations, education, scientific tourism...

develop shared culture of observation **Sharing and diffusion** Scientific knowledges of the knowledge (public..)

Concept and interdisciplinary approach

The main research topics are related to tourism and sports, meteorology and climate, biodiversity, geomorphology, risks and safety. They are based on quantitative and qualitative surveys and data collection, participatory observations, photo-reports and collaborative workshops. The results are used in the scientific field, as well as in tourism engineering, professional training and environmental education



Mountain Huts as « Sentinels » of Social and Environmental Change



A Multi & Interdisciplinary Approach of Human-Climate-Biodiversity Relationship



More informations

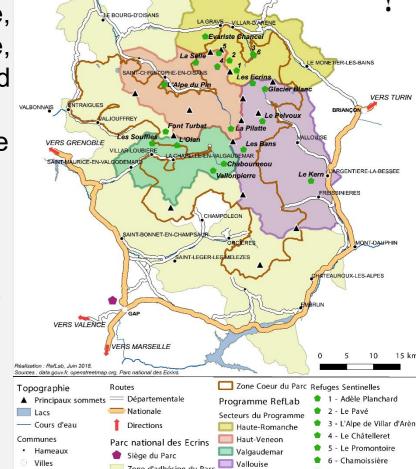
An experimental study area in Écrins

Natio altitude, size. access, implantation place, management type, sports and tourist attendance

For next years a spin-off of the program is planned in other mountain areas

10 research laboratories from Grenoble and Chambéry universities and CNRS

Fig.: sentinel huts in the Écrins

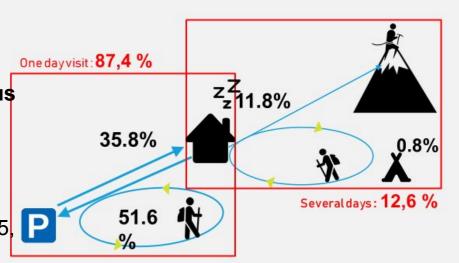


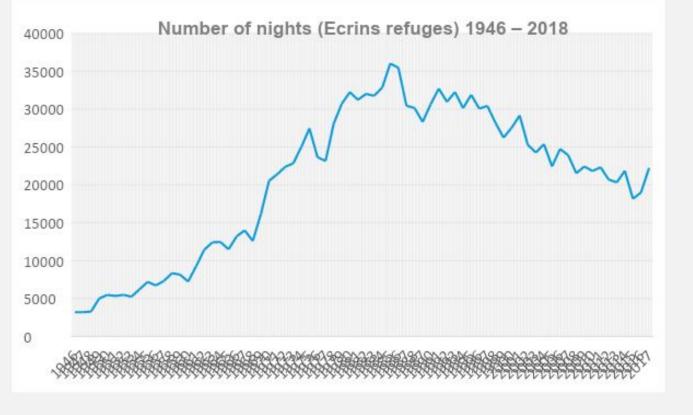
First results on mountain practises

35.8% of Haute Romanche aera visitors go to a mountain hut during

A user audience with a homogenous profile (mainly CSP +, 45-55 years, male). But emergence of a newer, younger audience

The number of overnight stays in mountain huts decreases since 1985, and it's its recent renewal is very variable according to the huts





Fewer alpinists and more hikers and walkers in huts

Visitor numbers in huts more depending on the weather

Huts and mountain are lived as places for disconnecting and resourcing experiences, where hut-keepers play an increased role in welcoming new users, mediating their relationship with the environment and providing

safety advice The use of mountaineering routes is anticipated in late spring, reduced and modified during the summer due to the retreat of glaciers

Massive transfer from snow routes to rock climbing routes, and some old forgotten historical routes are becoming attractive again

Huts become places also dedicated to exhibitions, artists' residencies, concerts and balls, school visits, scientific tourism, well-being and contemplation.



































