



HAL
open science

Scientific research is a driving force to strengthen various socio economic activities at local level

Yannick Vialette

► **To cite this version:**

Yannick Vialette. Scientific research is a driving force to strengthen various socio economic activities at local level. International Mountain Conference 2022 (IMC2022), Sep 2022, Innsbruck, Austria. . hal-03930293

HAL Id: hal-03930293

<https://hal.science/hal-03930293>

Submitted on 9 Jan 2023

HAL is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.

The Linkages Between Scientific Research and Socioeconomic Activities in Mountain Regions: Experience from the Research Project RefLab to Tourism in the Ecrins Massif (French Alps)

© Yannick VIALETTE, PhD Student, Grenoble-Alps-University
 ✉ yannick.vialette@univ-grenoble-alpes.fr
 ✉ Yannick.vialette@umrpacte.fr
 ☎ +33.6.16.31.57.98

INTRO

- Mountains are an open-air laboratory for sciences and humanities.
- Huts are their advance bases.
- How can a scientific program contribute to socio-economic activities?
- What are the impacts of science communications?
- Does scientific research contribute to the link between science and society?

REFLAB PROGRAM

- Partner huts in different parts of the French Alps.
- A transdisciplinary approach.
- Four lines of research (frequentation and practices, meteorology and climatology, geomorphology and risks, biodiversity).
- Protocols co-constructed by researchers and huts guardians.
- Three levels of involvement to adapt to the needs and constraints of each guardian.
- Different tools and forms of knowledge communication.
- A support for new socio-economic activities

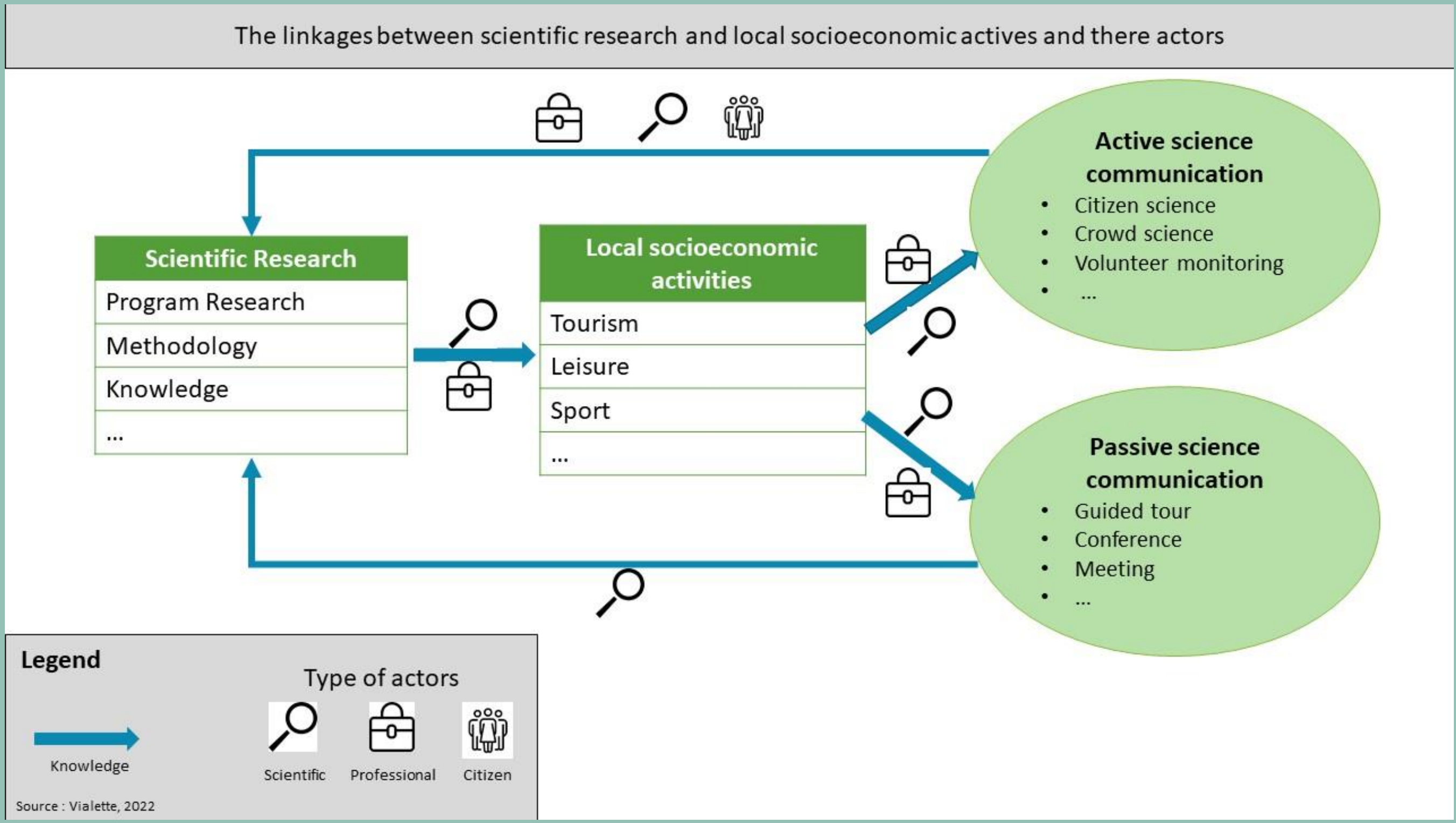
METHODE

- Bibliographic approach around RefLab.
- Semi-directive and informal interviews with different people related to the project (researchers, professionals).
- Participant observations and semi-structured interviews with tourists participating of the Itinerary in Sentinel huts.

Scientific research is a driving force to strengthen various socio-economic activities at local level and knowledge mobility reinforces science-society interface.

RESULTS & DISCUSSION

- Mountains are very adapted to study science-society interactions by its scientific interest (understanding, management, protection) and its attractiveness (image of nature and freedom),
- Huts are unique places for these meetings (illustration 3).
- Science practices and knowledge are factors of attractiveness for the territories (illustration 1, 2 & 3).
- Knowledge and forms of communication can allow the implementation of new local dynamics particularly in tourism and leisure.
- Science communication is a factor of understanding of the environment, increases scientific curiosity and makes live unique experience (Illustration 1).
- Active science communication leads to better understanding and is more likely to lead to behavioral changes (illustration 2).
- Active science communication can lead to joint actions.
- The scientific communication stimulates the affect and the feeling of inhabiting (temporarily) in the landscape.



DIFFERENT SOCIO-ECONOMIC ACTIVITIES IN RELATION WITH REFLAB

“this idea of a scientific itinerancy, it's the idea of understanding something, not just thinking that it's beautiful”
 (a participant of the Itinerary in Sentinel Huts)



Illustration 1 : Itinerary in Sentinel Huts, a scientific hiking



Illustration 2 : Scientific Eco-volunteering in Sentinel Huts



Illustration 3 : Refuge Remix

