



Climate Change Impacts on Mountain Biodiversity (CLIMB) France, Italy and Switzerland

Mont-Blanc has become a symbol of climate change, as the glaciers retreat and mountain environments change due to warming temperatures. CREA Mont-Blanc has been running an environmental monitoring program, Climate Change Impacts on Mountain Biodiversity (CLIMB), for the past 10 years, and has now partnered with Orange to design an ICT solution that improves an outdated and laborious method of data collection and retrieval. An innovative Biodiversity and Climate Change Observatory of the Mont-Blanc has been constructed, which has automated the monitoring of temperatures, snow patterns, and behaviors of the fauna and flora in the Mont-Blanc area. This IT solution informs land-use strategies, with on-line results being made accessible to decision-makers, scientists, citizens, and visitors, helping those involved in decision- and policy-making to make better-informed decisions.

Key facts.

- The observatory has:
 - A public interface to enter and validate citizen science observation data, which has had close to 300 data entries in the first summer season;
 - A large database encompassing all monitoring protocols.
- 60 tailor-made stations can transmit temperature automatically every 15 minutes in mountain conditions;
- Regular meetings are scheduled and pedagogical reports and web content are shared with decision-makers and citizens.

More information

Digital assets are available for download at:

<http://unfccc.thirdlight.com/a.tlx?!=9ffm9Iji>

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