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# Abstracts Book

Geoparks and sustainable development

## *ARTACLIM PROJECT IN 2 FRENCH GEOPARKS: “ADAPTATION AND RESILIENCE OF ALPINE TERRITORIES FACING CLIMATE CHANGE”*

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Today, most public administrations still lack the proper policy tools to efficiently face the major challenges posed by the impacts of climate change in mountain areas. The ARTACLIM project addresses these gaps and aims to develop and test public policy framework strategies for identifying and implementing climate change adaptation actions in alpine areas. ARTACLIM - “Adaptation and Resilience of Alpine Territories facing Climate change” – is a project supported by the Interreg Programm ALCOTRA 2014-2020, a program of cross-border territorial cooperation between France and Italy. Gathering 8 partners – universities, associations and territories -, it has officially been launched in December 2017 and the first actions are now in progress. On the French side, both of the application territories are global Geoparks: Massif des Bauges Geopark and Haut-Chablais Community of communes (part of the Chablais Geopark). ARTACLIM will investigate most-suited strategies accounting for regional socio-economic landscape, spatial planning and land use, urban planning, natural hazards, agriculture, tourism, biodiversity and energy transition, for the benefits of cross-border population and areas subject to similar pressures and development objectives. It is a research-action project based on a reinforced cooperation and cross-fertilization amongst its international partnership, ensuring that the developed tools will be innovative and usage-driven. This validated and shared process of adaptation to climate change will contribute to increase the resilience capacity in the ALCOTRA area. As a support of the Grenoble-Alpes University, the PARN – Pole Alpin Risques Naturels – contributes to these goals in the specific field of natural hazards/risks, as the concerned Geoparks are mountain areas submitted to debris flows, rock falls and landslides, which patterns have been drastically evolving due to climate change in the last decades (frequency, intensity, period of occurrence, chain effects...). The first step is an evaluation of territorial issues and planning. This includes i) establishing the state of the art on local climate change impacts, adaptation and planning, ii) defining a set of local climate indicators and iii) studying the vulnerability of territories. Among others, 2 workshops already took place in January, respectively in Massif des Bauges Geopark and in Chablais Geopark, inviting the local people to share their vision of local climate change issues, dealing with agriculture, tourism, forest, water resource, biodiversity, natural hazards... The rich material and ideas gathered will be the base for precise vulnerability diagnosis and adaptation strategies fitting the local context. The second step will aim at carrying out practical means of adaptation and resilience, such as i) training the technical staff, policy makers and local players, ii) proposing strategies and adaptation measures in territorial planning, iii) developing and installing the adaptation of management tools in public institutions. With these actions, the 2 French Geoparks will progressively become leading territories concerning adaptation to climate change.