



## **Evaluation of water resources of the Pyrenees in a context of climate change and adaptation strategies**

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The Pyrenees range is a transboundary region shared by Spain, France and Andorre. As many other mountain regions, it is excedentary in water resources that are used in a much larger area that includes important urban concentrations and productive rural areas. This territory is particularly vulnerable to the consequences of climate change. The PIRAGUA project, funded by FEDER through the POCTEFA Programme of the EU, addresses the assessment of the hydrological cycle of the Pyrenees in the context of climate change. The goals of the project are to unify and homogenise the existing information, prospect future scenarios, develop indicators of change, and propose adaptation strategies with impact on the territory, with the ultimate goal of supporting investment aimed at adapting to climate change in relation to water resources. Thus, the project evaluates the components of the hydrological cycle and the water resources of the Pyrenees range in the recent past (1985–2015), and in future scenarios (2030–2050). In addition, it will develop seven case studies about adaptation strategies at the local and regional scales, focusing on different socio-economic sectors, including hydropower production; sensitive head-water ecosystems; water and forests; irrigation agriculture; extreme events; tourism and areas of high ecological value; and multi-sector analysis, including the water-energy connection.