



Cerema's Carnot Institute, Clim'adapt, helps businesses and regional authorities to address the climate challenge and implement their transition towards a low-resource, low-carbon economy that respects the environment. Through bilateral contract research services, Cerema provides these economic stakeholders with the scientific excellence of its researchers and experts, in the institution's six fields of activity: Regional expertise and engineering, Building, Mobility, Transport infrastructure, Environment and risk, Sea and coast.

Cerema's scientific excellence for the benefit of the French economy and its adaptation to the effects of climate change

A Carnot Institute that addresses the challenges faced by the players in the French economy as a result of the climate change



Clim'adapt supports all those involved in spatial planning by working on the design and construction of buildings, cities and infrastructures. It has a threefold mission:

- ▶ transfer Cerema's R&D to companies to support them with their ecological transition and their adaptation to climate change;
- ▶ help companies to overcome technological barriers and develop innovative and adapted solutions, characterise them under controlled conditions, and test them in the field (this, in the form of research collaboration contracts, joint laboratories, industrial chairs, etc.);
- ▶ support local authorities to identify and implement solutions that match their needs via partnership research.



Cerema collaborates with start-ups and innovative SMEs as part of its CeremaLab process, which is part of Clim'adapt's objective of increasing its bilateral partnership research interactions with small businesses.



A few examples of successful partnerships





Economic sectors

- Energy transition and climate change
- Housing and building
- Cities and urban strategies
- Territorial planning and cohesion
- Design and management of infrastructures
- Mobility and transport
- Natural resource management
- Environmental compliance
- Prevention of natural risks
- Welfare and nuisance reduction

From the laboratory to the region; from the theory to the demonstrator: the tools at your disposal

Clim'adapt provides solutions at the cutting edge of R&D on its various research topics, compatible with, and forerunners of, the necessary mitigation and adaptation of regions to climate change. With its strong regional roots, the Carnot Institute operates in close proximity to its customers and their needs. It provides them with Cerema's R&D results, skills and resources in the fields of observation, instrumentation, measurement, analysis and modelling to understand and anticipate how their products or services work and assess their impact.

Clim'adapt comprises:

- a workforce of 500 agents mobilised for partnership research; 1
- 1 technological platforms for conducting laboratory or real-life experiments in the fields of environment, infrastructure, light sources, noise, vibrations, climate conditions and materials;
- a dozen research teams, with highly complementary thematic axes, which provide knowledge to the Cerema experts.

Clim'adapt also provides its partners with its Prototypes and Digital Projects Department (DPPN), as well as its Experimentation and Research Centre (CER). These enable key stages of technological development to be completed at 1-scale in the fields of instrumentation, sensors, navigation aids, monitoring equipment, etc.

Our six areas of activity:



➤ KEY FIGURES

200
Research personnel

20
Doctoral students

5 M€
Partnership incomes
with socio-economic
world



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