



**RÉPUBLIQUE
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Cerema

CLIMATE & REGIONS : THE FUTURE

CEREMA

**DRIVING FORCE FOR INNOVATION IN
EUROPE,**

**AN ACTIVE PARTICIPANT IN FRANCE'S
FOREIGN AID PROGRAMME AND THE
EXPORT OF FRENCH EXPERTISE**

Cerema deploys its experts in France and abroad, and is positioned at the heart of European Research & Innovation.

Cerema is a French public sector administrative organisation working in six areas of competence:

- regional engineering (development, smart cities, resilience, land management, adaptation to climate change, etc.),
- building performance and asset management,
- mobility,
- transport infrastructures, particularly roads,
- the environment and natural risks,
- the sea and coast.

Climate change is a marker for Cerema's activity in each of these areas. Cerema thereby contributes to fulfilling France's commitment in favour of the Sustainable Development Goals (SDG) through its contribution to 12 of the 17 SDGs.

Cerema employs over 2,500 people working in mainland France and its overseas territories. Internationally it deploys high level expertise as the legacy from 60 years experience, covering climatic, environmental and social issues (digital revolution, new types of use, ageing, etc.). In every country it is a preferred partner for local institutions and companies to solve complex sustainable development issues in various regions, or when multi-disciplinary skills are required.



In Europe and around the world,
Cerema has three aims:

1 INNOVATE THROUGH HIGH LEVEL EUROPEAN RESEARCH AND INNOVATION PROJECTS

Cerema contributes to the European research and innovation agenda with nearly 40 projects financed by the European Union currently under way (Horizon 2020, Interreg, Life, etc.). Cerema also participates actively in European technological platforms (CCAM, ECTP, Waterborne, etc.).

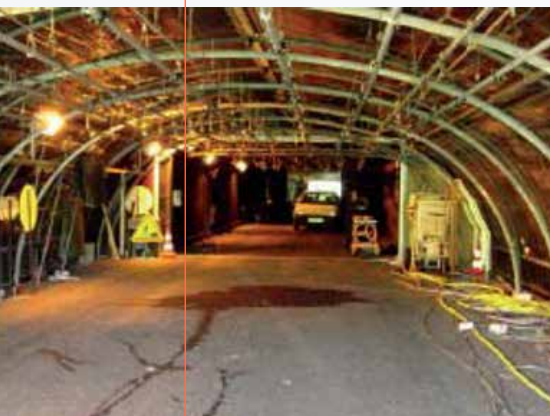
EXAMPLES OF EUROPEAN PROJECTS:



The Nature4Cities project - *Nature Based Solutions for re-naturing cities: knowledge dissemination and decision support platform through new collaborative models* - focuses on re-introducing natural environments into cities, and in particular integration of NBS into urban planning (*Nature Based Solutions – NBS*).



Cofinanced by the
Horizon 2020 European
Union programme



Led by car manufacturers Renault and Daimler, the DENSE project - *aDverse wEather eNvironmental Sensing systEm* - aims to develop a suite of perception sensors to guarantee safe driving for autonomous vehicles by detecting obstacles and traffic in degraded weather conditions. Within a consortium of 14 partners, Cerema is developing the test methodology to assess the systems by means of its fog-rain platform.



Cofinanced by the
Horizon 2020 European
Union programme

All our European projects are at:

<https://www.cerema.fr/fr/regions/europe-international/projets-europeens>

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2 CONTRIBUTE TO FRENCH PUBLIC DEVELOPMENT AID POLICY

Cerema supports the French Ministry for Ecological Transition as well as international financial backers in their development aid projects, in particular with African countries. Today, Cerema is mobilising its expertise for operations led by the French development agency (AFD), Expertise France and for “twinning” operations between countries, financed by the European Union and supported by France.

It is seeking to become a key interlocutor of the World Bank, and a catalyst for decentralised cooperation projects with French local authorities supported by the Ministry for Europe and Foreign Affairs.

EXAMPLES OF DEVELOPMENT AID PROJECTS:



In Madagascar, the **French Development Agency (AFD)** assigned Cerema an engineering mission to guarantee that road safety concerns are taken into account in the project to build a bypass around the country's capital.



The **MobiliseYourCity** initiative was created in 2015 at the **COP21** to help emerging countries and cities implement sustainable urban mobility. Cerema is one of the founding members of this initiative. Cerema is participating in programmes taking place in the Maghreb and in Latin America. It is working with local and national authorities to facilitate transition to comprehensive low-carbon urban mobilities that are inclusive and integrated.



3 DEVELOP INTERNATIONAL PARTNERSHIPS AND EXPORT FRENCH EXPERTISE

Cerema supports French companies on international markets (calls for projects, partnerships, etc.) and promotes French public and private sector know-how right around the world. Cerema also participates in European and international bodies for sharing techniques, regulatory innovations and standardisation (PIARC, PIANC, CEI, etc.).

Cerema is working with the **Colombian Ministry of Transport** to reduce a worrying number of **road accidents**. A multi-disciplinary team was assigned to share its expertise with the Colombian national road safety agency (ANSV) and analysed a sample of zones with high accident rates over more than 1,000 km of the road network, with numerous roads passing through conurbations. This analysis enabled the Colombian ministry to devise operational strategies to take action in zones with high accumulated accident rates.



With the support of the French Ministry for Ecological Transition, Cerema is coordinating the French project **WACA-F "Historical data for the future of West African coast areas"** in liaison with the WACA programme launched by the World Bank. This project aims to improve knowledge of phenomena such as coastal flooding, coastal erosion and coastline retreat. It makes available to Senegal, Benin and Togo the historical map data and bathymetric surveys, which are exceptional and unique resources for the region.





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