Artelia's offering extends across several scales, from individual buildings to districts to entire regions, including the traditional aspects of infrastructure and networks.

CLIMATE CHANGE RESILIENCE

The conclusions of the second part of the Sixth Assessment Report (AR6), "Impacts, Adaptation and Vulnerability", published in February 2022 by the Intergovernmental Panel on Climate Change (IPCC), are irrevocable: climate change, in particular the increasing frequency and intensity of extreme events, has already caused widespread negative impacts and associated losses and damage to the natural world and to people, and these impacts are expected to increase further with each additional degree of warming.

Some development and adaptation efforts have already reduced vulnerability, but this second part of the Sixth Report demonstrates the urgent need to find "effective, feasible and fair" adaptation solutions which are capable of reducing the risks for societies and ecosystems in the long term.

Artelia has been working in the field of climate change adaptation for over 30 years, both in France and internationally, thanks to its long-standing multi-disciplinary track record in the sectors of water, infrastructure, urban development and the environment in a broad sense, contributing to the definition and implementation of adaptation strategies, and the design and development of resilient towns, cities and regions.

In response to the challenges posed by climate-related risks to regions and infrastructure, a new approach to risk management must apply, combining technical, economic and social feasibility to find a balance between "resistance" and "resilience" and design regions and infrastructure that are equipped to deal with current and future climate hazards:

- **RESIST** to ensure continuity of activities in the event of a climate disaster, prioritising nature-based solutions
- **ABSORB** to co-exist with the hazard and reduce vulnerability
- **REORGANISE** to adapt land use and planning to exposure to the risk

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