

iClima Climate Change Adaptation Enablers Index

WE MUST ADAPT TO A PLANET THAT IS ALREADY FACING 1.1°C OF WARMING.
THE CONSEQUENCES OF CLIMATE CHANGE ARE ALREADY AFFLICTING BILLIONS OF PEOPLE

WHY
ADAPT?

We must increase resilience and manage the negative consequences of global warming. Adaptation plays a key role in reducing exposure and vulnerability to climate change. Several forecasts point to ca. 3 billion people being subjected to water scarcity, to the challenges with food production and to dramatic physical damages.

What are the solutions?

Adaptation solutions can be anticipatory (e.g. earth observation solutions) or reactive (e.g. irrigation), and incremental (e.g. HVAC systems) or transformational (e.g. nature based regeneration).

MONITORING SOLUTIONS FOR DISASTER PREVENTION

Earth observation, satellite images and data compilation; fire protection, sensors and monitoring; early warning systems.

CLIMATE RESILIENT INFRASTRUCTURE & BUILDINGS

Sustainable construction and 3D printing; adaptative materials and insulation solutions; HVAC and heat adaptation; hurricane protection; building resilience.

FOOD SECURITY & AVAILABILITY

Controlled environmental agriculture, e.g. vertical farming, hydro farming.

WATER SCARCITY

Irrigation, desalination, water efficiency, purification and decentralized water treatments.



NATURE BASED SOLUTIONS



Regeneration and carbon offset platforms.



What companies are in ADAPT that make it so unique?



The severity, frequency and duration of adverse climate events (droughts, heat waves, fires, flooding) has increased the awareness of consumers, policy makers and investors. We expect the adoption of relevant adaptation solutions to increase in the near future and to persist for decades, as reversing the effects of 1.1°C is already not possible. That will translate into growth in sales for the companies in the universe of this index. The key metric for impact is population - people, fauna and flora - being out of harm's way.



Sample of companies:















Climate action is needed, to adapt to a world already facing the consequences of global warming

Innovative companies, solutions and technologies enabling climate change adaptation are set to benefit from increasing awareness and therefore adoption, despite commanding limited attention until now. Both public and private funds are directed towards climate resilient development, with regenerative solutions also receiving attention.

The index represents both sides of the water problem (rising sea water levels and water scarcity), as well as ways to allow buildings and infrastructure to prepare for extreme weather. It also includes AgTech solutions that increase security of supply while enabling regeneration, demanding less land and water to grow food. Technology is also represented in monitoring solutions, such as drones and satellites for earth observation.

