

NOAA Island-Led Resilience 2030 Project

Through the Island-Led Resilience 2030 project, supported through a partnership with the U.S. Department of State, NOAA works closely with the Local2030 Islands Network and other partners to address climate change and promote resilience in island-centric ways.

Climate impacts are disproportionately experienced by islands.

While islands throughout the world are environmentally, socio-economically and culturally unique, many share common characteristics that increase their vulnerability to a changing climate. Some of these include physical remoteness; the nexus of communities, cultures, infrastructure and economic activities found in island coastal regions; and the disproportionately high cost that islands may pay to adapt to climate change. This means that for islands, climate impacts can lead to decreased food and water security, losses to marine and coastal biodiversity and important ecosystem services, declines in key socioeconomic sectors, threats to infrastructure and homes, and threats to cultural resources and heritages.



Source: Paula Moehlenkamp, Pacific CAP/RISA Project Specialist

Islands are leaders in advancing climate adaptation and resilience globally.

While climate impacts pose significant threats to islands throughout the world, resilience is inherently part of island history. Islands have a long history of preparing for and responding to variability in their dynamic human-environmental systems. Their historical resilience, along with current island innovation and action, demonstrate that islands are key actors for advancing adaptation and resilience strategies globally.

Banner source: Public Domain Pictures - Caribbean Island Coast



Source: Pixabay

Through the Island-Led Resilience 2030 (ILR2030) project, NOAA collaborates closely with an island-led international initiative to address climate change and promote resilience, low carbon pathways, and sustainable development in island-centric ways.

Through the ILR2030 project, NOAA partners with the U.S. Department of State (DoS) to work closely with the Local2030 Islands Network, a global island-led network committed to net zero emissions and strengthening island resilience to climate change, with an emphasis on the U.N. Sustainable Development Goals (SDGs).



Source: Laura Kam, Local2030 Islands Network

With a strong and growing membership and suite of partners, the Local2030 Islands Network fosters peer-to-peer knowledge exchanges and provides technical assistance for the development of tools to track and drive climate action and sustainable development throughout islands.

Since its 2019 launch, the Network has grown its membership to encompass a diverse set of island nations, states, and communities, connecting islands across the world. With support from partners such as NOAA and the U.S. Department of Energy's National Renewable Energy Laboratory, the Network has launched three Communities of Practice focused on island-identified priority areas which include: Resilient and Clean Energy Systems, Data for Climate Resilience, and Regenerative and Sustainable Tourism. In addition to its growing membership and these peer-to-peer exchanges, the Network has helped island members develop an open data dashboard framework that tracks progress on Sustainable Development Goals (SDGs), serving as a model for determining how to "measure what matters" in the context of the SDG goals and climate resilience for other islands throughout the world.



Source: Laura Kam, Local2030 Islands Network



Source: www.islands2030.org

ILR2030 is cross-NOAA project led by NOAA's Climate Program Office's Adaptation Sciences Program, in partnership with the Local2030 Islands Network and the U.S. Department of State.

As part of a U.S. multi-agency effort to foster island leadership to combat the climate crisis, and as a contribution to the President's Emergency Plan for Adaptation and Resilience (PREPARE) initiative, NOAA supports the Local2030 Islands Network through an Interagency Agreement with U.S. Department of State. In support of the mission and objectives of the Network, ILR2030 integrates capabilities across NOAA (CPO, Sea Grant, NOAA's Marine Protected Areas Center, NOAA Cooperative Institute for Marine and Atmospheric Research [CIMAR], National Center for Environmental Information [NCEI], and NOAA's Climate Adaptation Partnerships Program [formerly RISA] CAP/RISA Pacific team) and works closely with other agencies and external organizations, including DOE/NREL, U.S. Agency for International Development (USAID), DoS, Esri, and The Ocean Foundation.



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