NOAA Island-Led Resilience 2030 Program

NOAA's Island-led Resilience 2030 Program (ILR2030) provides support and technical collaboration to the Local2030 Islands Network and islands around the world to bolster their own efforts to address climate change and promote resilience. ILR2030 is conducted in partnership with the U.S. Department of State and other public and private sector entities.

Islands are at the forefront of climate resilience and sustainable development

Islands are emerging as leaders in the global effort to address the complex and interrelated challenges of climate resilience and sustainable development. Reflecting the unique information needs and approaches of island economies, the Local2030 Islands Network (the Network) is a global scale, island-led network devoted to advancing the U.N. Sustainable Development Goals (SDG). Through technical support and collaboration, NOAA works with the Network to promote climate resilience, low carbon pathways, and sustainable development in island-centric ways. Recently, the Network has expanded membership to 24 island economies and launched three Communities of Practice focused on island-identified priority areas such as data for climate resilience, resilient and clean energy systems and sustainable and regenerative tourism.

Source: Paula Moehlenkamp, Pacific CAP/RISA Project Specialist

NOAA ILR2030 Harnesses Capabilities and Expertise across NOAA and Fosters Collaboration with other Public and Private Institutions to Support Island Resilience

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 and island economies through a partnership with the U.S. Department of State. The ILR2030 Program integrates capabilities across NOAA, including the NOAA Office of Oceanic and Atmospheric Research Climate Program Office's Adaptation Sciences and Climate Adaptation Partnership programs, and the National Sea Grant Office; the NOAA National Ocean Service Marine Protected Areas Center; the NOAA Cooperative Institute for Marine and Atmospheric Research; the National Center for Environmental Information; and the NOAA-supported Pacific RISA Team and the Caribbean Climate Adaptation Network. NOAA also works closely with other agencies and external organizations to advance ILR2030, including the U.S. Department of State, the National Renewable Energy Laboratory of the Department of Energy, the U.S. Agency for International Development (USAID), Esri, The Ocean Foundation and the National Marine Sanctuary Foundation.

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Island-led Resilience L2030 Program Highlights

Sea Grant Extension & Support

Capacity for on-the-ground implementation of climate resilience priorities can be challenge. NOAA has been working closely with Sea Grant offices in Hawai'i, Guam, and Puerto Rico to scale up support for local community adaptation and resilience in island economies. Sea Grant extension specialists, including four new members of the Guam Green Growth Conservation Corps, are partnering with island leaders to assess local climate-related priorities, deliver NOAA science to support actionable adaptation and resilience planning, and empower individual islands to develop local capacity to address these priorities.

Sustainable Development Goal Dashboards

Creating public-private partnerships to collect and analyze data and indicators, and monitor and measure progress toward key sustainability and climate resilience measures are important steps in pathways to the UN Sustainable Development Goals (SDG). Through ILR2030, NOAA and the Network work to support the development of platforms to monitor and measure SDG progress by utilizing the experiences gained by Hawai'i's Aloha+ Dashboards and the Guam Green Growth Dashboard. The most recent SDG dashboard associated with the Network was formally launched alongside the Palau Green Growth initiative in 2024.

Regenerative Tourism Catalytic Grants

Tourism is a critical economic sector for islands around the world, but is often detrimental to island ecologies, economies, and cultures. Regenerative tourism helps reduce the potential harmful impacts of traditional tourism and provides benefits to people and the environment. In partnership with the Network and The Ocean Foundation, NOAA will support a series of island-led innovative projects to advance sustainable and regenerative tourism. Launched in January 2024, the initiative will fund projects focused on nature-based climate solutions, agriculture and food security, and the engagement of women, youth, and indigenous communities in regenerative tourism as part of a broader pathway to the SDGs.


CoP Meeting, April 2024, Hawaii

Networks And Convenings

In partnership with the Network, NOAA supports international convenings of island experts spanning the Caribbean, Pacific and Africa to foster peer-to-peer learning, solutions development, and technical training. These included in-person community of practice (CoP) meetings in 2023 and 2024, and quarterly virtual exchanges beginning in 2022. NOAA provides technical assistance for the CoPs focused on regenerative tourism and the use of data for climate resilience, working with the Network to foster knowledge sharing and island-led solutions.

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