



# Pacific Islands Climate Collaborative introduction

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POTENTIAL COLLABORATORS

Discussion document | March 2022

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# PICHTR, a Hawaii non-profit, was established to build a bridge between the governments and technology companies across the Pacific since 1983

## PICHTR History

- In 1982, US Senator Spark Matsunaga proposed a project to facilitate **US-Japan joint research** programs, and Governor George Ariyoshi announced founding of PICHTR
- In 1983, Hawaii Legislature established PICHTR to conduct **advanced technology** research & development
- In 1986, President Reagan proposed Japanese Prime Minister Nakasone that Japan and the USA cooperate on an **international technology project** through PICHTR
- Notable board members from Japan include:
  - Mitsuro Donowaki ('83-'08, retired ambassador)
  - Akio Morita ('89-'91, founder of Sony)
  - Yasuo Nakagami ('98-'11, Mitsubishi Heavy advisor)
  - Shinji Fukukawa ('01-'12, retired Vice Minister, METI)
  - Masakazu Toyoda ('12-, retired Vice Minister, METI)



President Reagan and  
Prime Minister Nakasone

## Early projects

- OTEC – Research & Development of an **Ocean Thermal Energy Conversion** plant
- COPE/RESULTS – Corporate development “Train the Trainers” program. **Training sessions** were held in Fiji, Hawaii, American Samoa, and New Zealand
- Technology Development and Demonstration – Hawaii based Fuel Cell Energy Development Program which was located at Kahua Ranch for the **demonstration of hydrogen production** using commercially available technology, and to demonstrate fuel cell-based electricity production and transportation applications
- Pacific Renewable Energy Rural Electrification Programs – **A joint Japanese and United States program** to support renewable energy-based electrification for **Pacific Island nations**. Projects under this program were in support of applied research, development and maintenance at the Kahua and Fiji (Nabouwalu) Village Hybrid Power facilities. Another project was the Solar Home Systems in Fiji where PICHTR installed 820 systems

# PICHTR's Pacific Islands Climate Collaborative facilitates US, Japan and other partners' joint climate projects in Pacific Islands



*"We will work together to advance clean energy technologies and help nations throughout the **Indo-Pacific region, especially developing countries**, develop renewable energies and decarbonize their economies."*  
 - April 2021 Summit statement

US-Japan Climate Partnership

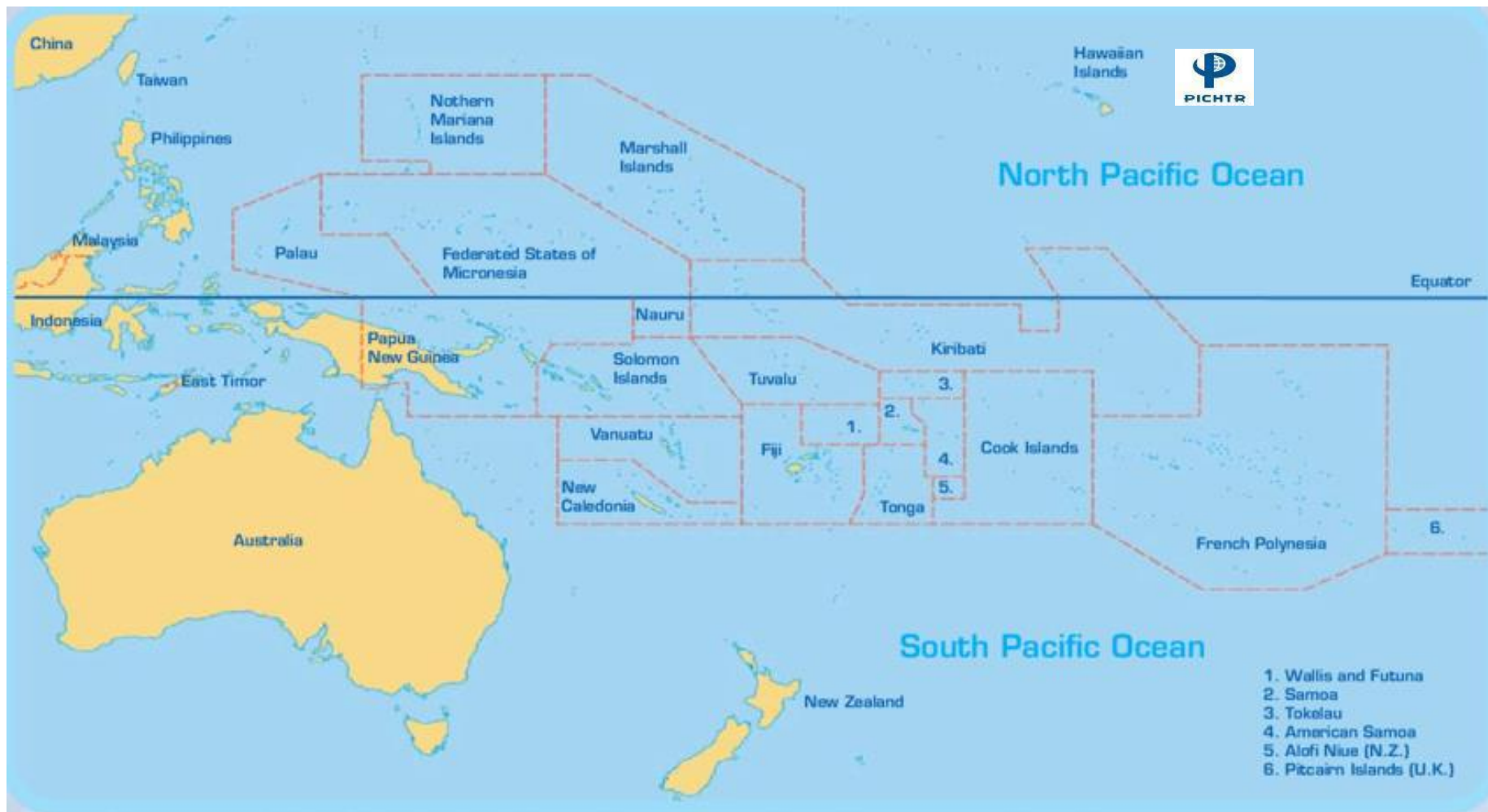
Japan-US Clean Energy Partnership (JUCEP)

PICHTR  
 Pacific Island Nations

PICHTR facilitates US-Japan joint climate projects in Pacific Island countries

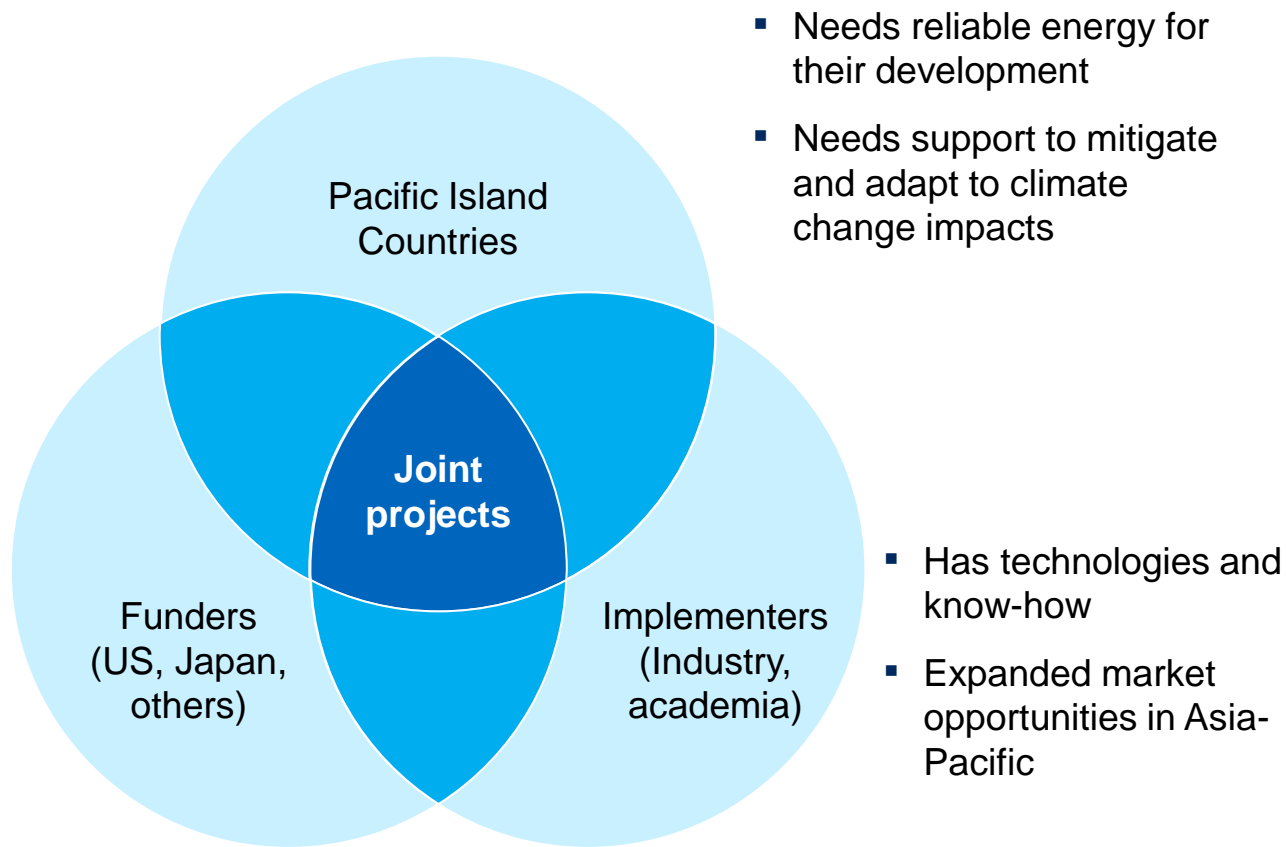
- More government **aide** driven area
- Important region for both US and Japan for **economic security**

The Pacific Islands are one of the most vulnerable to climate change impact and could benefit from clean energy and climate resiliency solutions



The objective of the Collaborative is to promote collaboration between the US, Japan and partners in Pacific Island Countries by coordinating, planning and executing clean energy and climate adaptation/resilience projects

### Pacific Islands Climate Collaborative



# Pacific Islands Climate Collaborative 2022 Forum

## Day 1: March 22, 2022 at 1-3 PM Hawaii Time

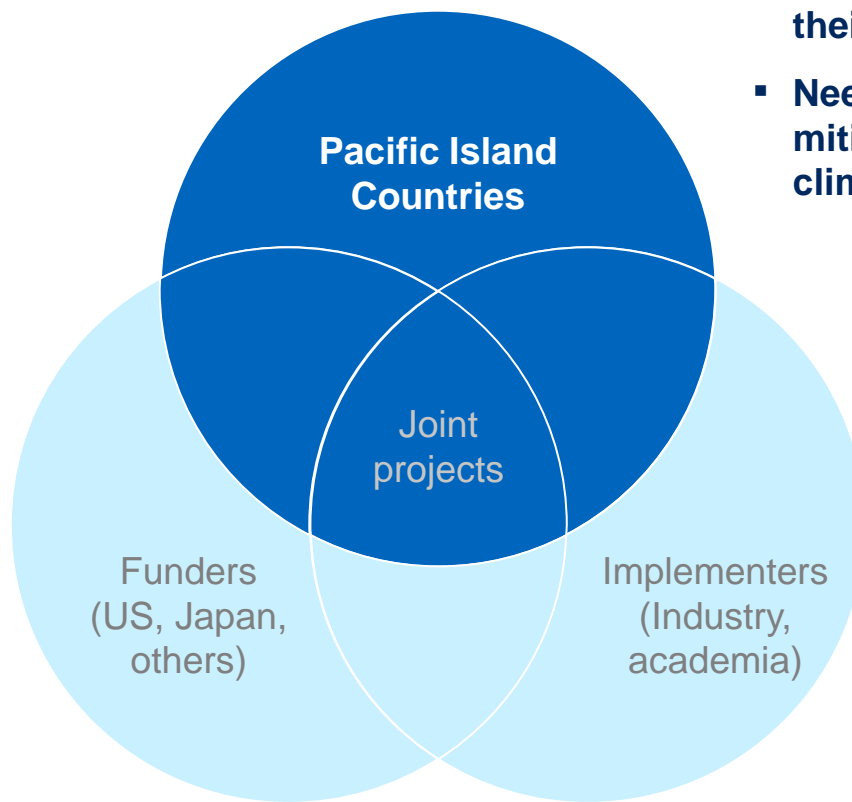
- Session 1: Pacific Island Nations Clean Energy and Climate Adaptation/Resilience **Needs and Opportunities**
  - Goal: To understand South Pacific Island Nations' needs and issues concerning the development of clean energy and climate resilience. Also, to begin discussions on related solutions, specifically, how could US and Japanese entities help South Pacific Island nations deploy clean energy and climate resilience projects?
- Session 2: Available U.S. and Japanese and Other **Support Measures** and Opportunities for International Collaboration
  - Goal: To provide participants an opportunity to learn about currently available funding sources and other support measures for companies/entities that are able to perform projects in the Pacific Island Countries.

## Day 2: March 23, 2022 at 1-3 PM Hawaii Time

- Session 3: Climate Solutions EXPO - An international panel of industry and academia representatives with readily deployable clean energy and climate adaptation/resilience **solutions** (90 minutes)
  - Goal: To showcase companies/entities that are able to perform projects in the Pacific Island Countries.

# Session 1: Pacific Island Countries Clean Energy and Climate Adaptation/Resilience Needs and Opportunities

## Pacific Islands Climate Collaborative



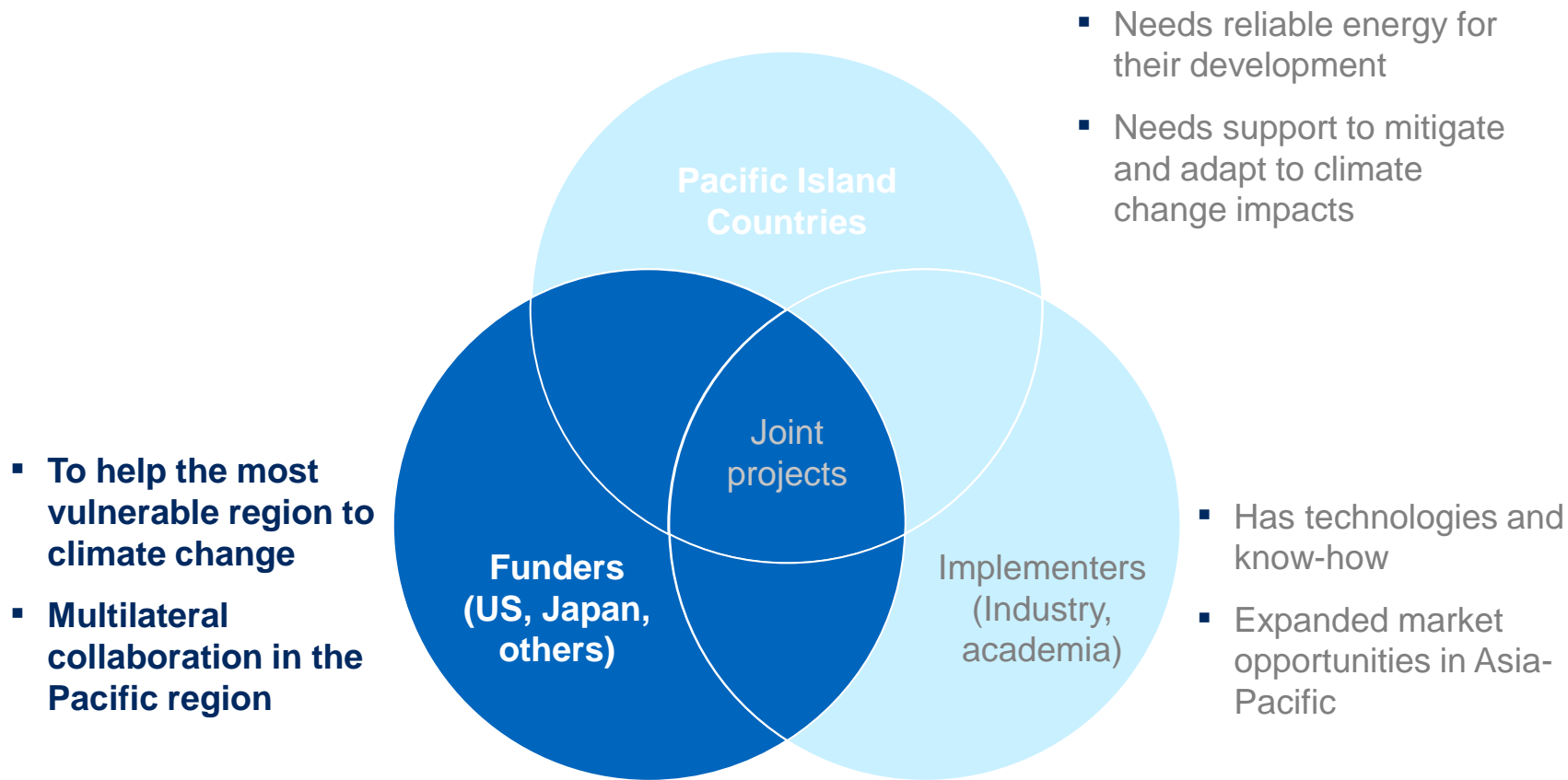
- To help the most vulnerable region to climate change
- Multilateral collaboration in the Pacific region

- Needs reliable energy for their development
- Needs support to mitigate and adapt to climate change impacts

- Has technologies and know-how
- Expanded market opportunities in Asia-Pacific

## Session 2: Available U.S. and Japanese and Other Support Measures and Opportunities for International Collaboration

### Pacific Islands Climate Collaborative





## Session 3: Climate Solutions EXPO - An international panel of industry and academia representatives with readily deployable clean energy and climate adaptation/resilience solutions

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