

# Pacific Islands Regional Climate Assessment: A Collaborative Assessment Framework

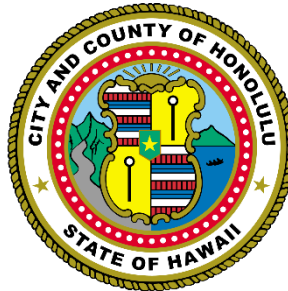
August 15, 2018 | Making Climate Assessments Work

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- Over 2000 islands, ~1.9 million people
- Varied governance: U.S. State, U.S. Territories (Organized and Unorganized), Commonwealth, and Freely Associated States
- Max. elevations ranging from 33 ft (RMI) to 13,800 ft (HI)
- GDP per capita ranges from \$3,400 (FSM, 2017 est.) to \$51,155 (HI, 2016 est.)
- U.S. Marine National Monuments, military installations
- National downscaling efforts have not previously extended to HI, and still do not extend to USAPI

# pirca

PACIFIC ISLANDS REGIONAL CLIMATE ASSESSMENT





# PIRCA Products

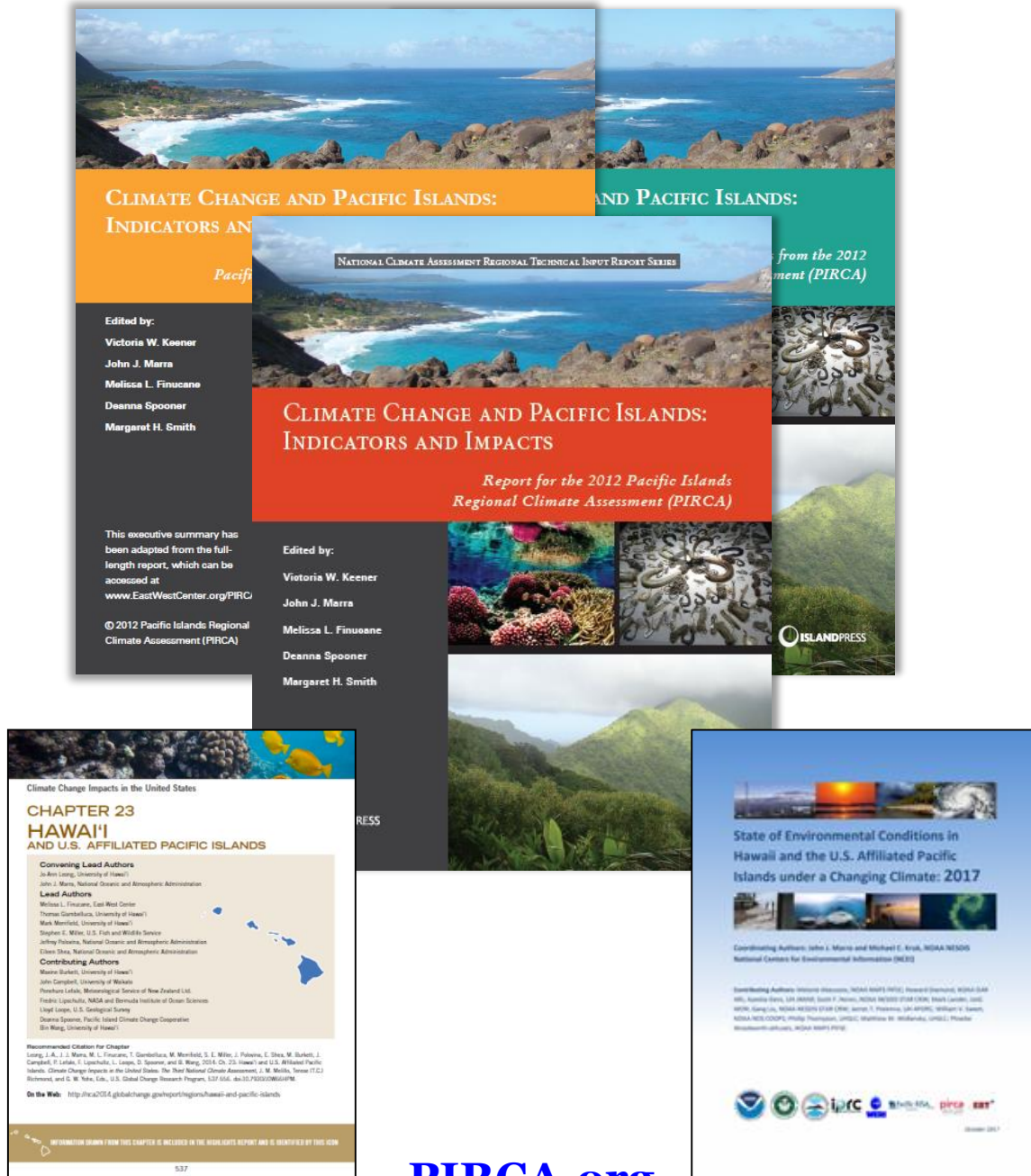
## *Climate Change and Pacific Islands: Indicators and Impacts (2012)*

- Full Report, Executive Summary, Case Studies

## *NCA3 Hawai'i and Pacific Islands chapter (2014)*

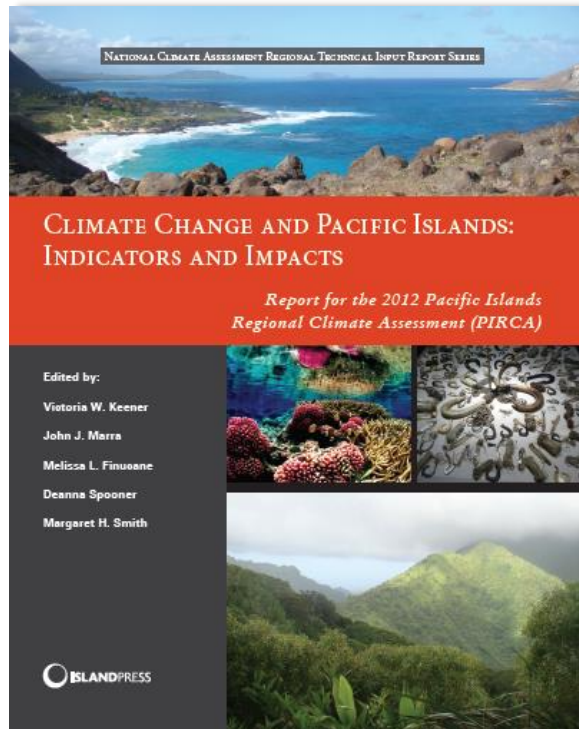
## *State of Environmental Conditions in Hawaii and the USAPI (2017)*

## *NCA4 "Chapter 27: Hawai'i and Pacific Islands" (Forthcoming, Dec. 2018)*

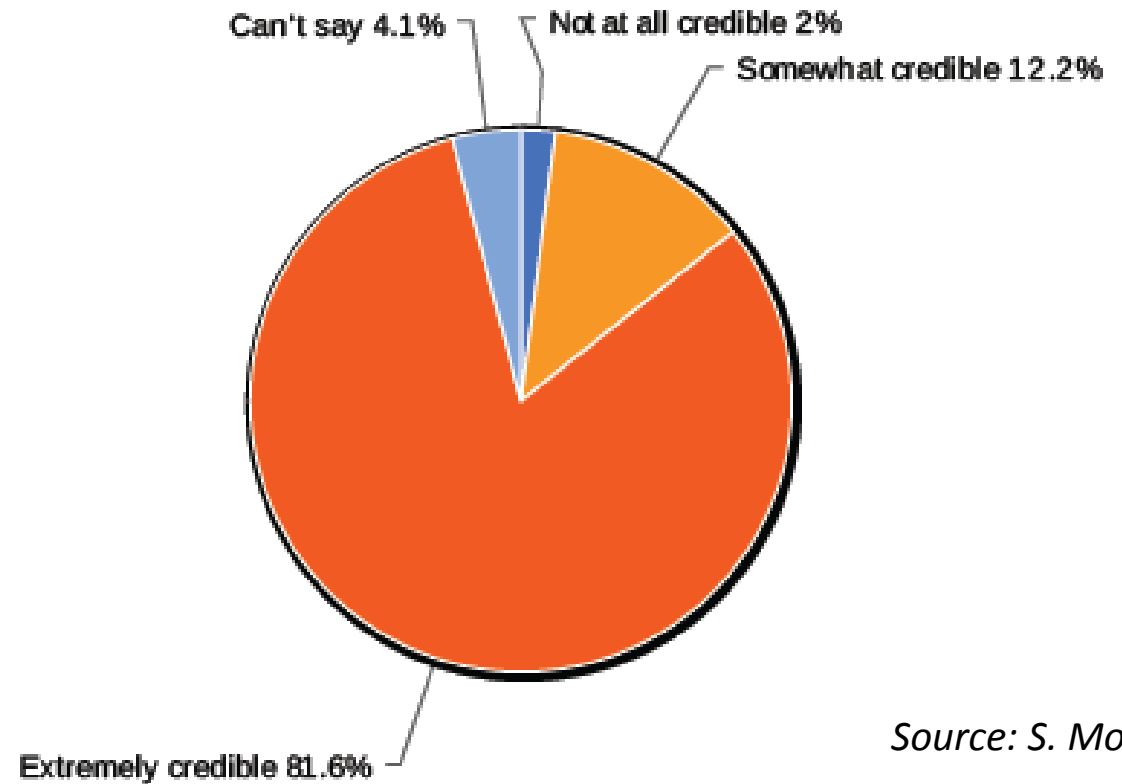


[PIRCA.org](http://PIRCA.org)

# Perceived Credibility of 2012 PIRCA

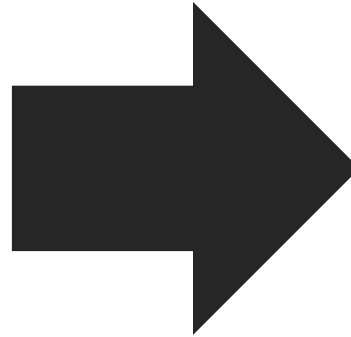
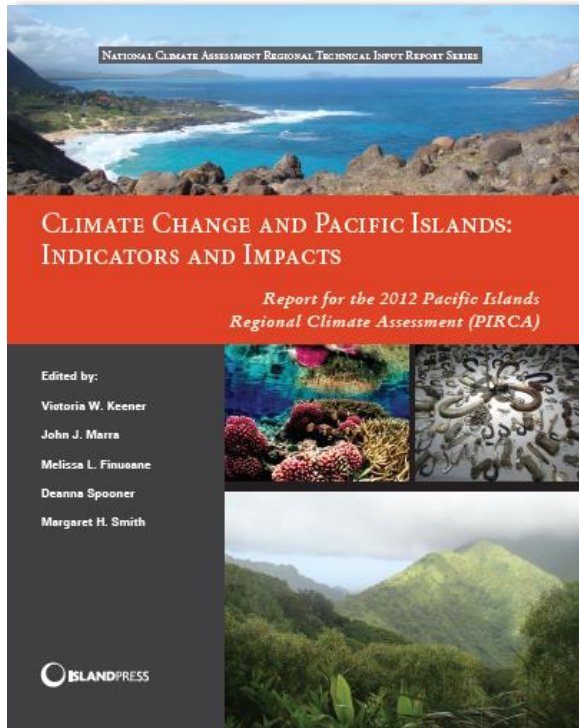


9. About 100 experts and many different organizations from across the Pacific region contributed to the PIRCA. How would you judge the credibility of the PIRCA report?



Source: S. Moser, 2013

# PIRCA.org



Key findings

Topic/sector narratives

Figures

Adaptation and impacts case studies

Multimedia



# NCA4 Outreach and Participation

**Sector Survey** (Sept-Oct 2016) – 136 respondents

For Hawaii & USAPI (highest representation: Northern Mariana Islands, Hawaii, Marshall Islands)

**Webinars** (Oct 2016)– 35 participants

**Sectoral Workshops** (Mar 2017) – 75 participants

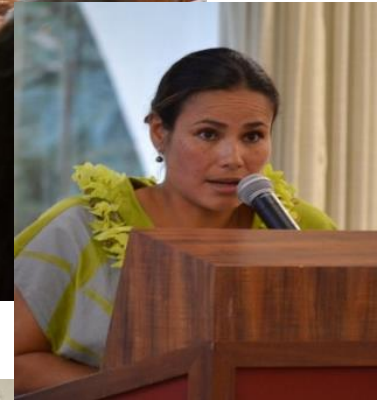
**Honolulu Town Hall** (Mar 2017) – approx. 70 participants

**Guam Satellite Town Hall** (Apr 2017) - approx. 40 participants

***~350 people engaged***

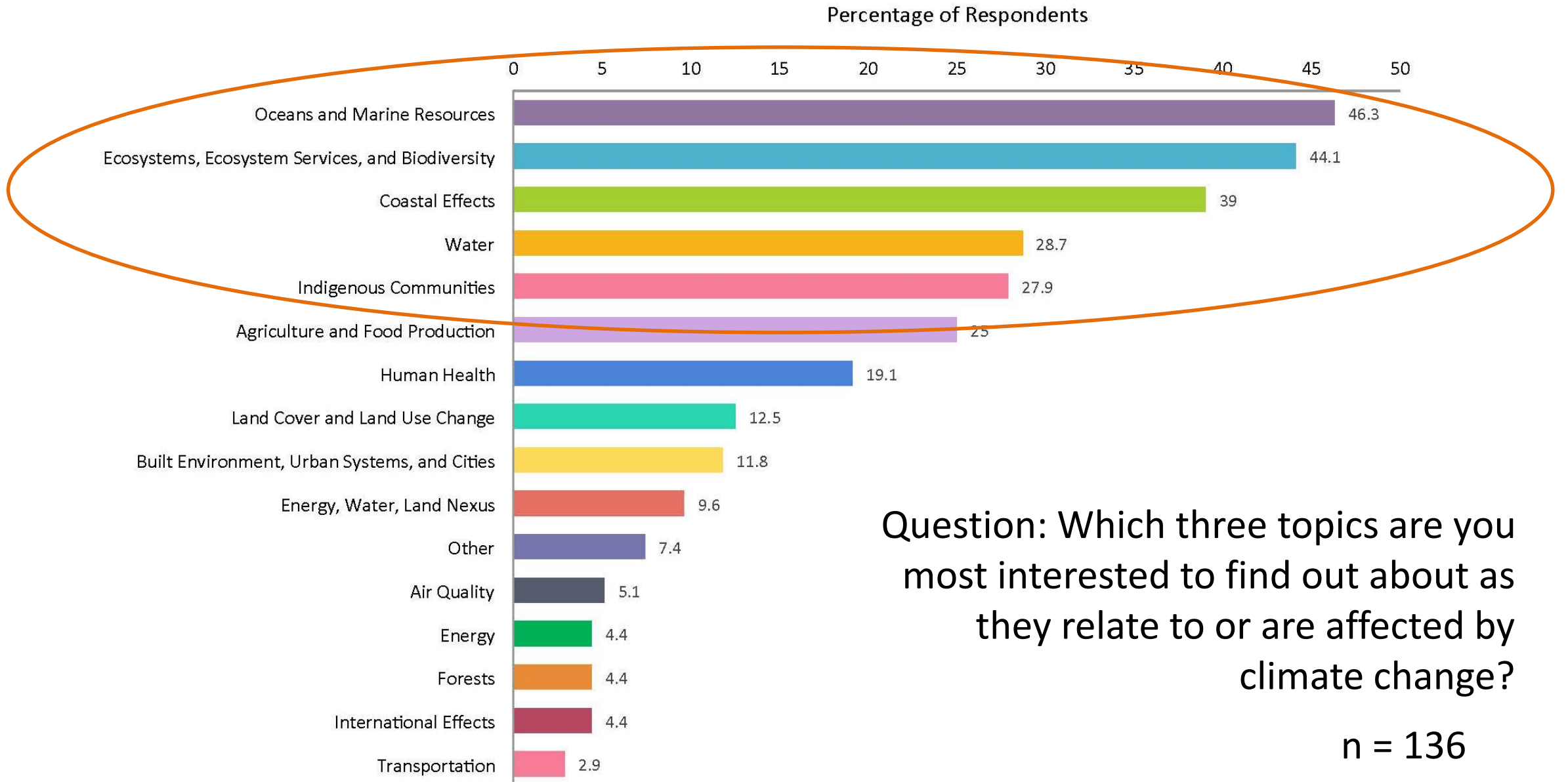


Honolulu Town Hall



Sectoral Workshop

# NCA4 Survey – Focal Areas





# NCA4 Chapter – Focal Areas



Ocean and Marine Resources (46%)



Ecosystems, Ecosystem Services and Biodiversity (45%)



Coastal Effects (37%)



Indigenous Communities (29%)



Freshwater Resources (27%)



CUMULATIVE IMPACTS & ADAPTATION

# NCA4 Sectoral Workshops

- Researchers + practitioners
- Threats/impacts by sector (invite only)
  - Two timeframes: present to 2040, and 2040-2100
- **All** invited to Adaptation workshop
  - cross-sectoral strategies & examples



# Example Uses of PIRCA Products

- Vulnerability assessments
  - Hawaii Sea Level Rise Report
  - Islands of Saipan, Tinian, and Rota
- UN climate negotiations (small island states)
  - first U.S. climate report to acknowledge impacts
- Honolulu Climate Change Commission
  - recent Sea Level Rise Guidance
- Hawaii U.S. Senator uses PIRCA in speeches
- Figures used as communication tools



# Future Outlook

- Upcoming release of new PIRCA products
  - Island climate science update factsheets
  - “Deep dive” special report on sector or topic of regional interest
- Non-federal leadership, collaborative structure possibly more resilient
- Challenges of sustained funding
- Opportunity to grow a national network of sustained assessment specialists



# Mahalo!

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