



**SDG
DATA
ALLIANCE**

Supporting mobilization of the Geospatial Community at the local level around the IGIF and SDGs

Side Event
Eleventh Session of the United Nations Committee of Experts on
Global Geospatial Information Management (UN-GGIM)
17 August 2021

Agenda



- Moderator:
 - Dr. Carmelle Terborgh, Lead Account Manager, Nonprofit and Global Organizations, Esri
- **09:30–09:45 Introduction and Setting the Scene**
- **09:45–10:30 The SDGs Data Alliance**
 - Mr. Stephen Keppel, President, PVBLIC Foundation
 - Mr. Timothy Fella, Team Lead, Mapping, Statistics and Land Administration, Esri
 - Ms. Kaimana Bingham, Aloha + Dashboard and Partnerships Manager, Hawai'i Local 2030 Hub and the Local 2030 Island Network
- **10:30–11:00 Open Discussions and Q&A**

Summary

The SDG Data Alliance is an open, community-driven partnership that is working to accelerate the achievement of the SDGs by building capacity with people, technology, and process.

Our work is grounded in the recognition that reducing inequalities of all kinds (SDG-10) is fundamental to achieving all SDGs, and creating a just, healthy, and prosperous world where no one is left behind and everyone can thrive.

“There must be progress on SDG 10 for all other SDGs to succeed.”
(Michelle Bachelet, UN High Commissioner for Human Rights)



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Founding Partners

- United Nations
- W.K. Kellogg Foundation
- PVBLIC Foundation
- Esri

Implementing Partners

- Hawai'i Local2030 Hub & Local2030 Island Network
- ...Other entities focused on the SDGs at more local levels



W.K.
KELLOGG
FOUNDATION™

P V B L I C
FOUNDATION



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Partnership Vision

Based on the foundational principle of reducing inequalities of all kinds, the vision of the partnership is to enable governments, NGOs, and partners of all kinds from the national to the local level to provide and foster open data in effective systems and frameworks for monitoring progress on the SDGs using leading geospatial technology.



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Outcomes

The SDG Data Alliance will leverage the IGIF to develop ~17 national, open SDG Data Hubs while addressing national and global reporting requirements to report on SDGs - with a specific focus on SDG 10.

With each Member State the following will be supported:

- Technology capacity building plan and system evaluation
- Technology and training options and opportunities taking advantage of SDG Data Alliance partners' expertise
- Core technology deployment of an open interoperable, standard-based, services-oriented platform utilizing relevant, accessible sustainable development data
- Continuous knowledge and communication activities via the SDG Data Alliance to 2030 and beyond



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Presenters

- **Powering New Possibilities for Social Impact: SDG Data Alliance**
 - Mr. Stephen Keppel, President, Pvblic Foundation
- **Esri Alignment and Support for the Integrated Geospatial Information Framework (IGIF)**
 - Mr. Timothy Fella, Team Lead, Mapping, Statistics and Land Administration, Esri
- **Hawaii Local 2030 Hub and the Local 2030 Island Network**
 - Ms. Kaimana Bingham, Aloha + Dashboard and Partnerships Manager, Hawaii Local 2030 Hub and the Local 2030 Island Network



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POWERING NEW POSSIBILITIES FOR SOCIAL IMPACT

SDG Data Alliance

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We engage changemakers and mobilize action around the world

“I am proud of what we have achieved together to ensure a life of dignity for all. I thank you for your partnership and express, once again, my gratitude for your contribution.” - Ban Ki-moon



The background is a collage of various icons and text related to social and environmental issues. On the left, there's a purple vertical banner with the text 'ÉGALITÉS ÉDUITES' and a white arrow pointing up. Below it, a red banner says 'FIN DE LA POBREZA'. In the center, there's a green banner with 'AFFORDABLE AND CLEAN ENERGY' and a sun icon. To the right, there's a blue banner with 'PARTNERSHIPS FOR THE GOALS' and a Venn diagram. Further right, a red banner says '1 NO POVERTY' with a family icon. At the top right, there's a white banner with 'Web Summit'.

We advance & accelerate
change through innovative
programs & partnerships that
**amplify our partners' knowledge
& experience**

Media + Data + Technology
for social change



**Powerful
partnerships
to advance
& accelerate
the SDGs**

SDG Data Alliance

PUBLIC created and developed the SDG.org platform with ESRI and United Nations partners to provide transparency around crucial data used for global reporting.

Based on the foundational principle of reducing inequalities of all kinds, the W.K. Kellogg Foundation, Esri, PUBLIC Foundation, the United Nations Department of Economic and Social Affairs (DESA), the UN Statistical Division (UNSD) joined forces in 2021 to form **the SDG Data Alliance**.

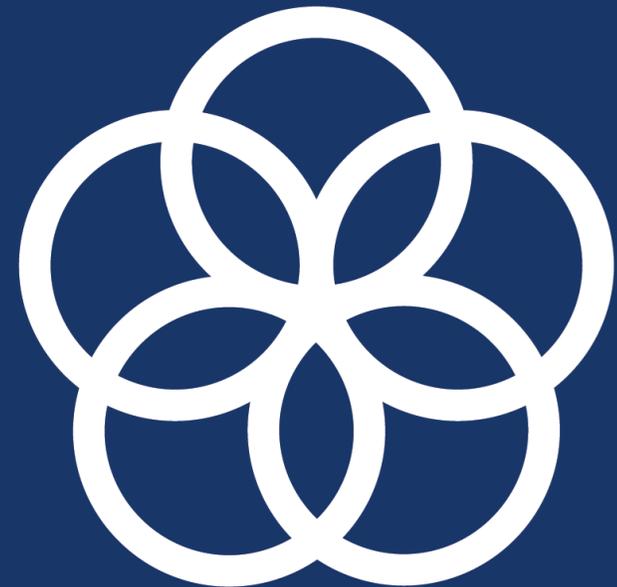
Using the power of purpose-driven collaboration and leading GIS technology, this influential group of partners will accelerate achievement of the SDGs by creating 20 SDG Data Hubs across developing nations in Latin America, Asia, and Africa.



Multi-stakeholder partnership approach

- Philanthropy partners: funding and program management
- Private Sector: in-kind services, expertise, strategy, innovation
- Multilateral partners: global approaching, influence, expertise
- Local governments: national leadership, staff, access to data
- Local organizations: local knowledge, access to data

**17 PARTNERSHIPS
FOR THE GOALS**



Haiti Data Hub: Challenges & Opportunities



Photos: Kellogg Foundation



Objective: utilize nationally integrated geospatial frameworks and support Haitian institutions to better coordinate and realize their data needs for achieving the SDGs.

“Data access and dissemination is limited. Platforms are not user friendly. We need more top-down engagement to put the data infrastructures in place”
– Bobby Piard, Centre National de l'Information Géospatiale (CNIGS).

Progress: We have conducted meetings with local UN leaders, the Haitian government, World Bank, Inter-American Development Bank, identified the main stakeholder group and received government buy in.

Challenges: maintaining momentum in the government during times of crisis.

Next steps

- Engage GGIM Community
- Establish hubs in 17+ initial countries
- Expand to new countries



**THINK BIG. ACT SMALL.
START NOW.**

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The background is a composite image. At the top, there is a dark blue world map with a grid of latitude and longitude lines. Below the map, a satellite view of Earth is shown, with the blue oceans and brown/green landmasses. In the bottom left corner, there is a network diagram consisting of white dots connected by thin white lines, resembling a globe or a data network. The overall color palette is dominated by blues, greens, and browns.

*Esri Alignment and Support for the
Integrated Geospatial
Information Framework (IGIF)*

Critical Infrastructure



Transportation



Utilities

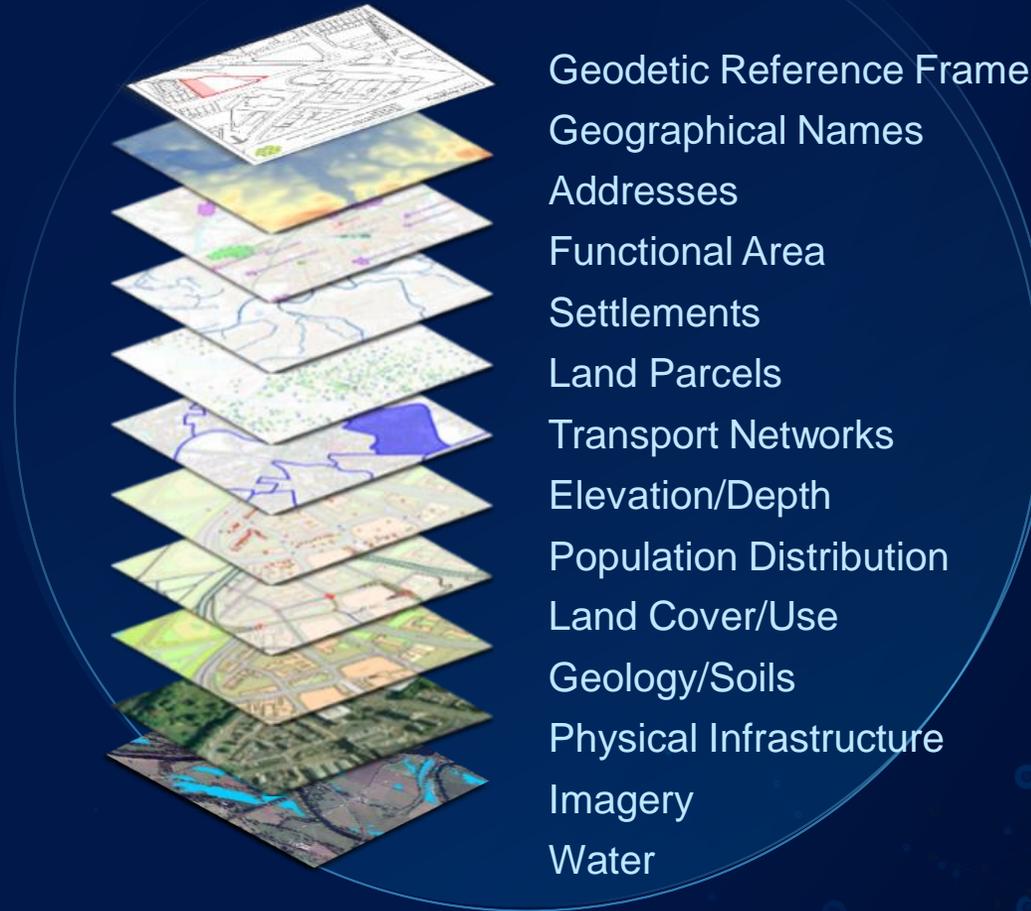


Information

Geospatial is a Key part of a Nation's Information Infrastructure

Foundation Data

Fundamental Data Themes



Geospatial Community of Interest



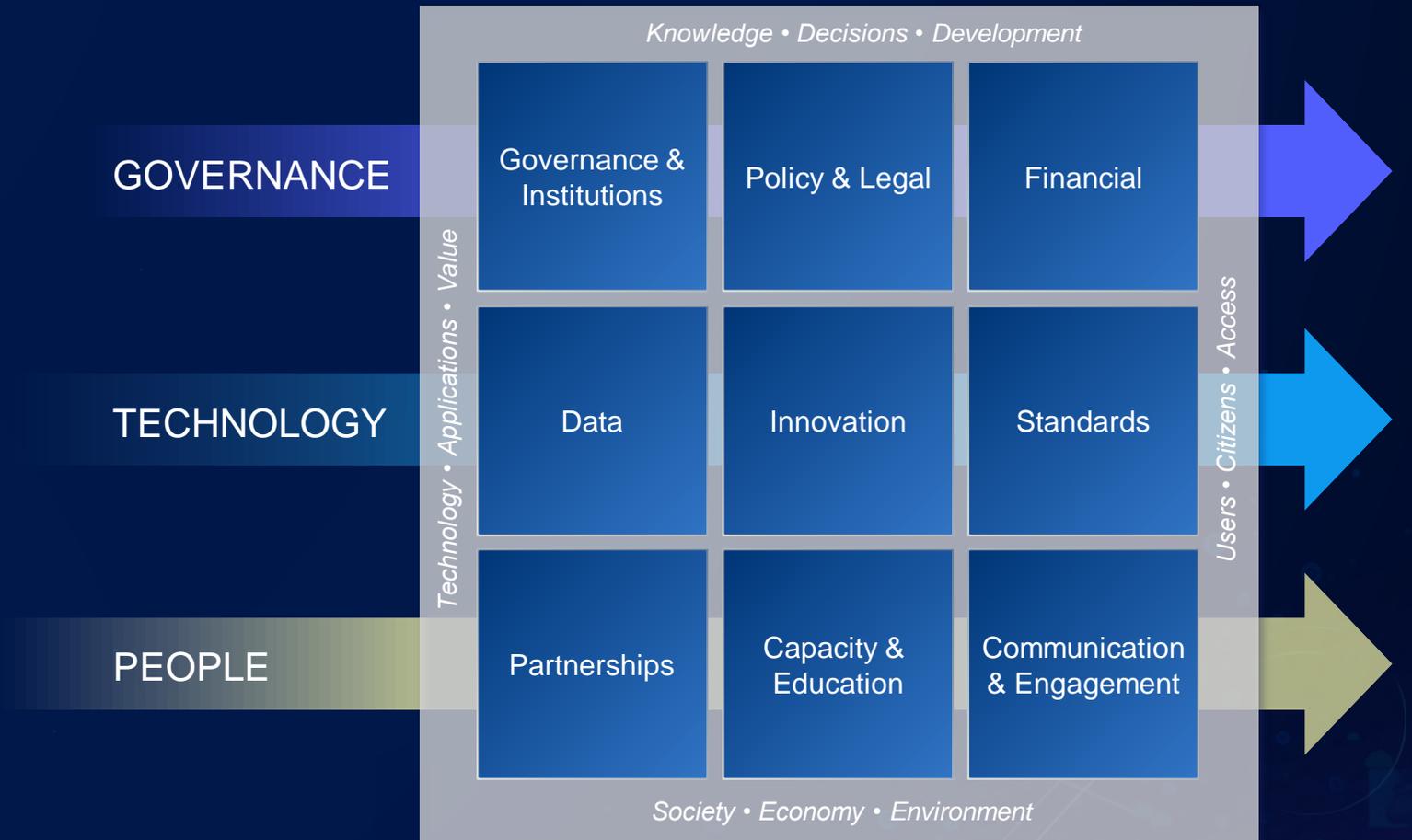
Geospatial Authority Challenges

Workflow Management
Access to data Standards
Improving Customer Satisfaction
Efficiency transparency Public Access
Trust **Keeping Data Current**
Ad hoc mapping Growth **CAPACITY** Security
Changing citizen expectations
Budget Availability **new devices** IT Resources
Representative Governance
accountability

UNGGIM – Integrated Geospatial Information Framework

A Framework for Implementing Modern SDI

The Integrated Geospatial Information Framework provides a basis and guide for developing, integrating and strengthening geospatial information management.



9 Strategic Pathways

An Ecosystem Approach

Interconnect People, Processes, Data, and Technology



...across borders, jurisdictions, and sectors

Strategic Pathways #1–3

Esri Consulting

- *Geospatial Strategy & Roadmap*
- *Executive Consulting & Change Management*
- *Data Sharing Agreements*
- *SDI Consulting*

Esri Partner Network

A network of organizations that deliver solutions, content and services



Strategic Pathway #4

Data

Data Acquisition and Management:

Data Agnostic

*Multiple Data Collection Pathways
(mobile, drone, imagery, GeoAI, etc.)*

Industry Templates, Data Models, & Workflows

Open Data

Data Access:

Living Atlas of the World & Esri Marketplace

- *Global Base Maps*
- *Imagery*
- *Demographic Data*



Geospatial Infrastructure



Strategic Pathway #5

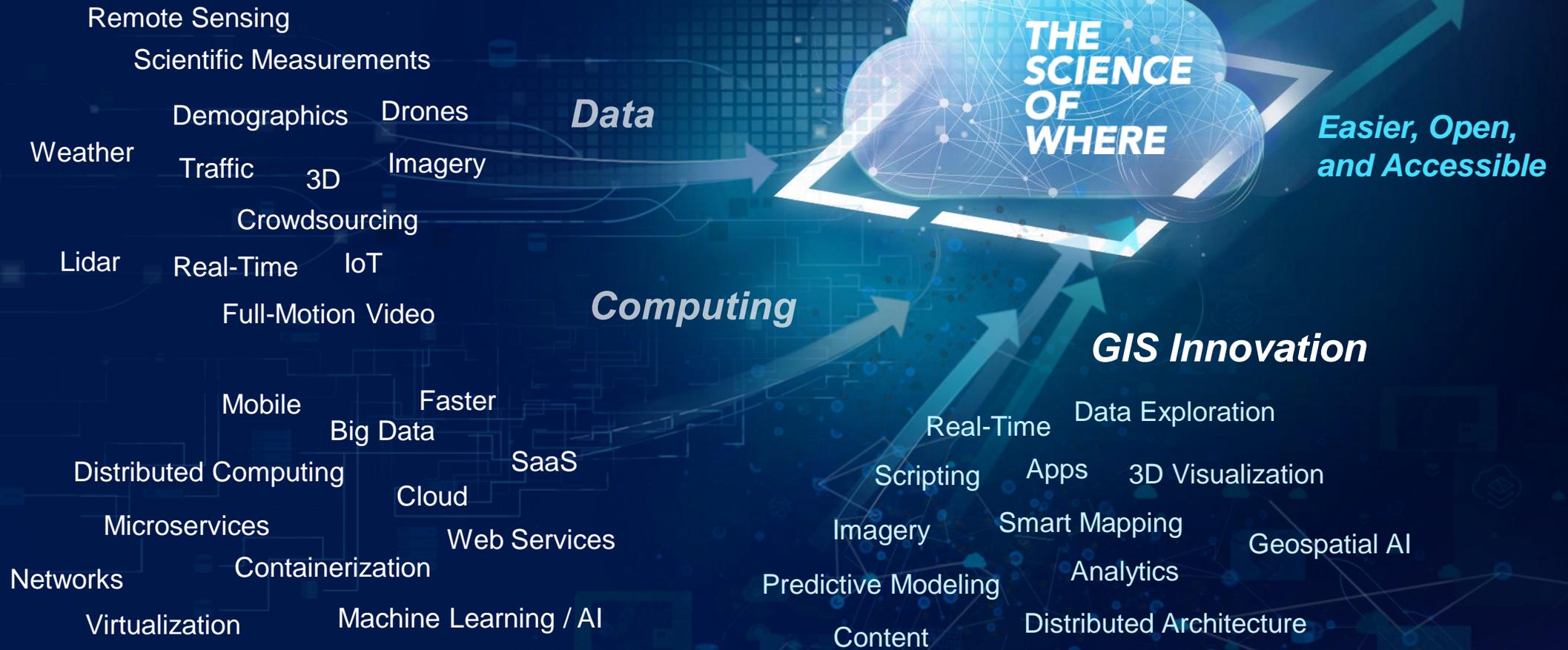
Innovation

*Esri invests **more than 30%**
of its annual revenue back into
Research and Development
each year...*



Advancing GIS Capabilities

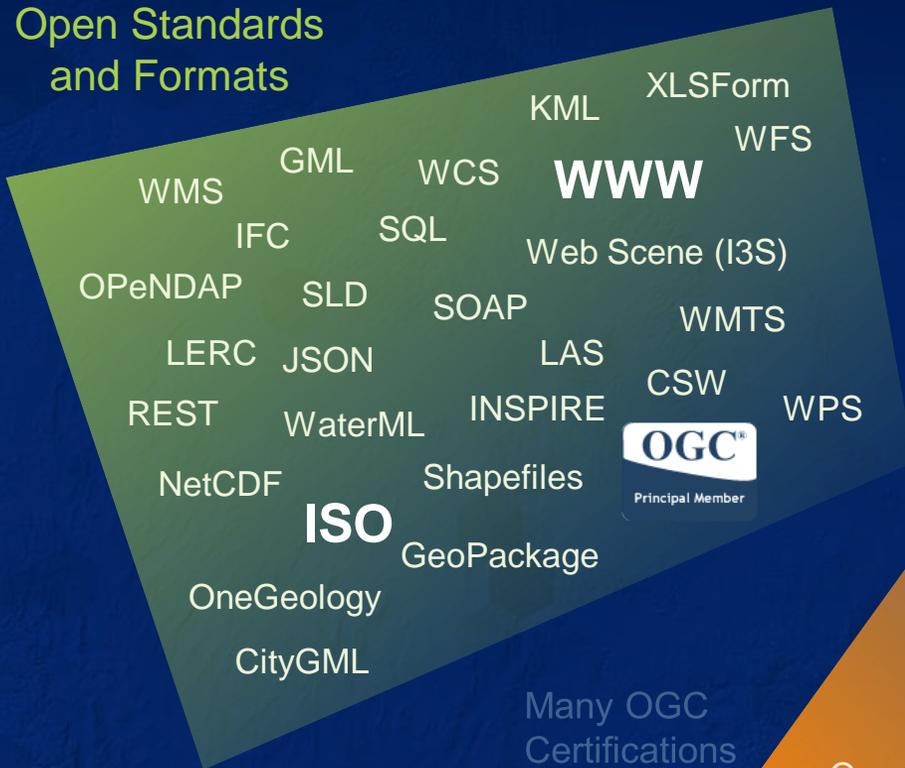
Integrating and Leveraging Many Innovations



Strategic Pathway #6

Standards

Open Standards and Formats



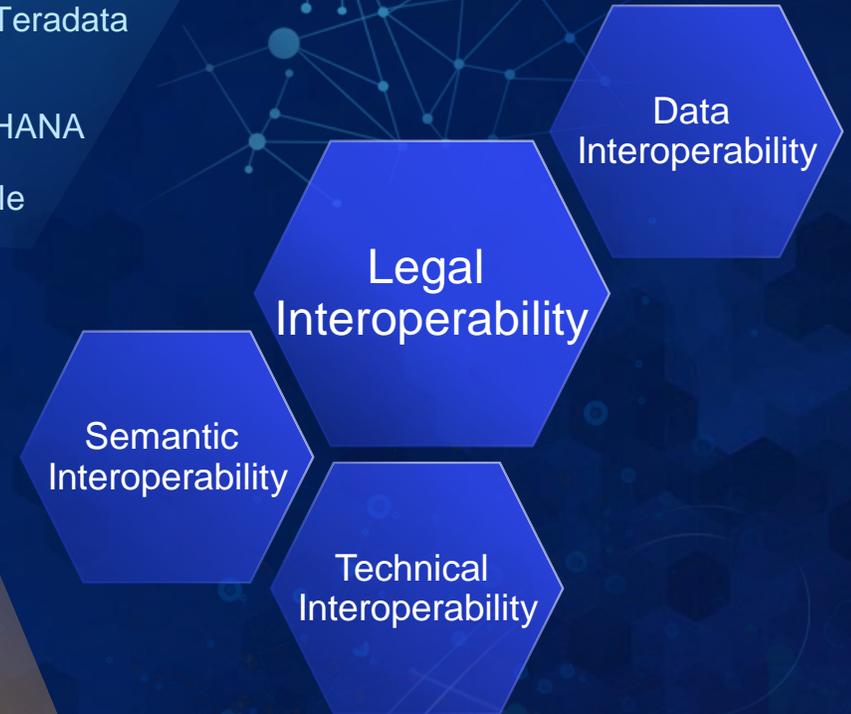
Many OGC
Certifications



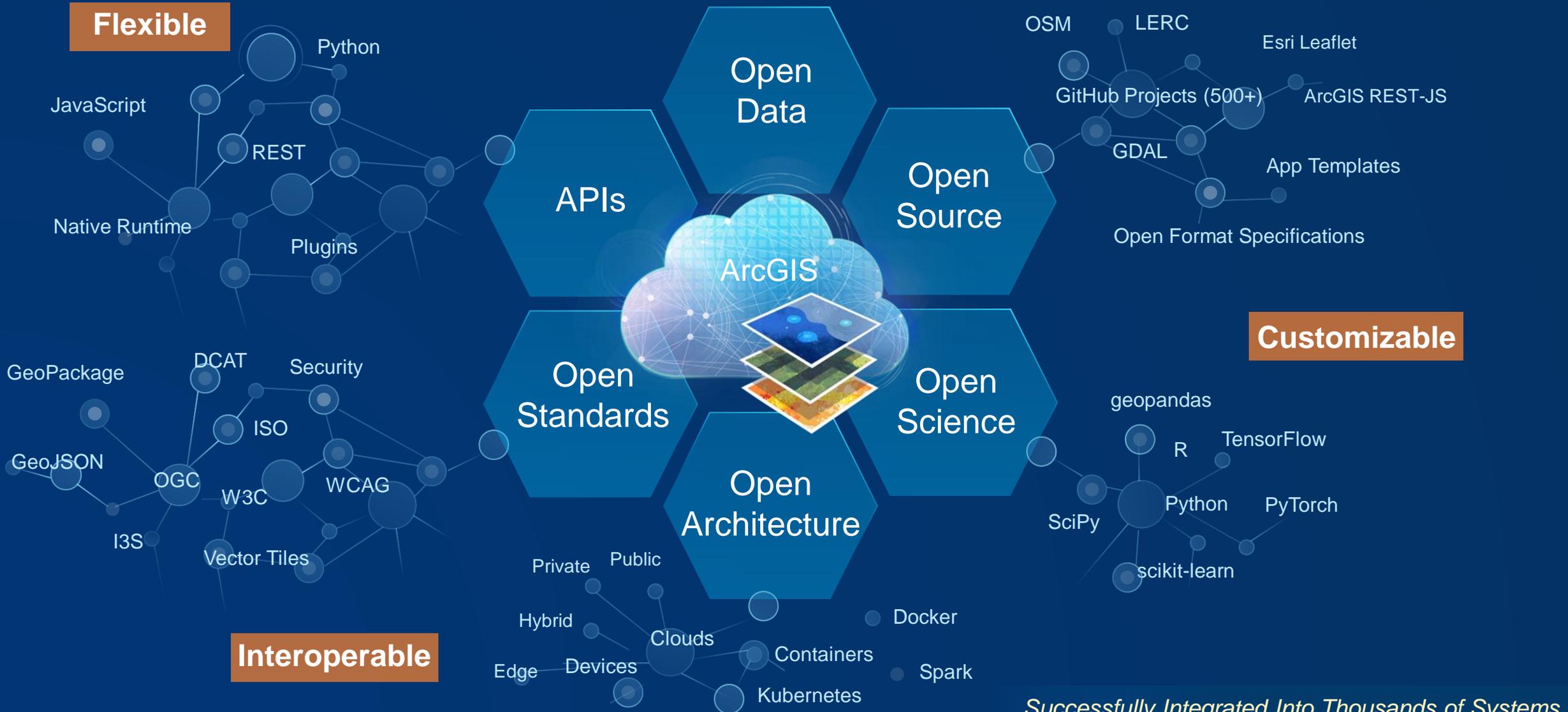
Product Integration

Open Software

- Open Data Access
- Open APIs & SDKs
- Extensible Architecture
- Embeddable Components
- Open-Source Contributions (500+)
- Open-Source Integration



ArcGIS provides an Open Platform



Successfully Integrated Into Thousands of Systems

Strategic Pathway #7

Partnerships

Partnership Opportunities:

User Community for Geospatial Authorities & NGEF

*Modernization Programs
(Land Administration, Health, and Official Statistics)*

SDG Grants

Esri NonProfit Organization Program

Esri User Conference

Regional GeoPortals

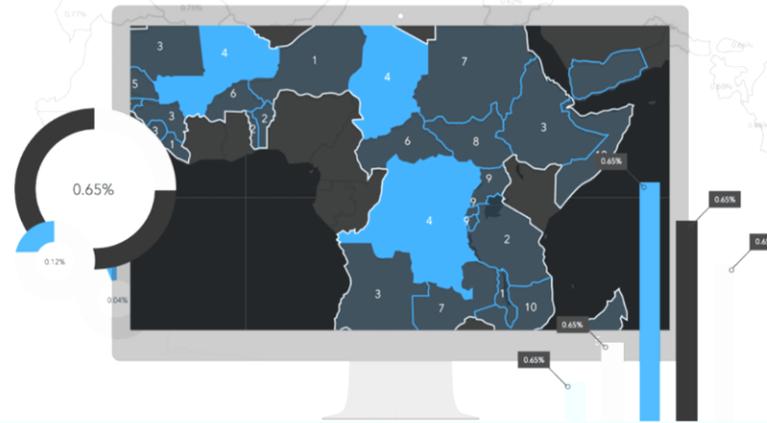


Esri Special Programs

Official Statistics Modernization Program

Providing GIS tools & training for resource constrained countries

[Apply Now →](#)



Land Administration Modernization Program

Providing GIS tools & training for resource constrained countries



User Community for Geospatial Authorities

User Community collaborating on common challenges and practical solutions

- *2-way communication between UCG members and Esri Road Maps*
- *Prioritize and collaborate on key trends & topics*
- *Refine and prioritize requirements as a UCG to Esri*



Strategic Pathway #8

Capacity and Education

Education Opportunities:

Learn.ArcGIS

MOOCs & Learn Lessons

Esri MeetUps

Young Professionals Network

GIS Personal Use Licenses

*ArcGIS for Schools Program
(K – 12)*

Higher Education Program



Strategic Pathway #9

Communication and Engagement

Hub Initiatives

Open Data

Surveys and Feedback

Dashboards and StoryMaps

Events

Regional GeoPortals

Esri Maps for Public Policy

GeoNet



ArcGIS Hub Connects

System of Engagement

Connecting Organizations & Communities of Interest

Initiatives

Website
Apps & Content
Engagement Tools
Crowdsourcing

Organize Communities

Identities and Groups
Sharing Data
Events and Discussions
Participation / Feedback

Open Data

Multiple Formats
Open APIs
Maps & Charts

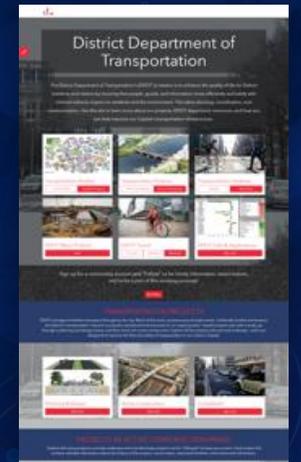
Stakeholders

- Governments
- Communities
- Universities
- NGOs
- Citizens
- Staff

Event Calendars



Initiatives



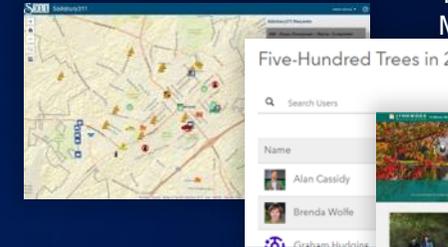
Performance Dashboards



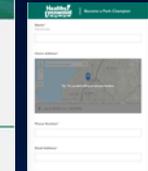
Open Data



Team Management



Story Maps



Surveys



Esri Missions

- Build Leading GIS Technology
- Support Users
 - Successful Systems / Projects
 - Professional Services
 - Training & Education
 - Technical Support
 - User Community
- Contribute to Society

... Advance Spatial Literacy, Science, Education & Conservation

... Creating a More Sustainable World





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HAWAI'I GREEN GROWTH
LOCAL2030 HUB

Hawai'i Green Growth

Hawai'i Green Growth (HGG) members and supporters include:





Aloha+ CHALLENGE

Hawai'i's Statewide Sustainability Commitment

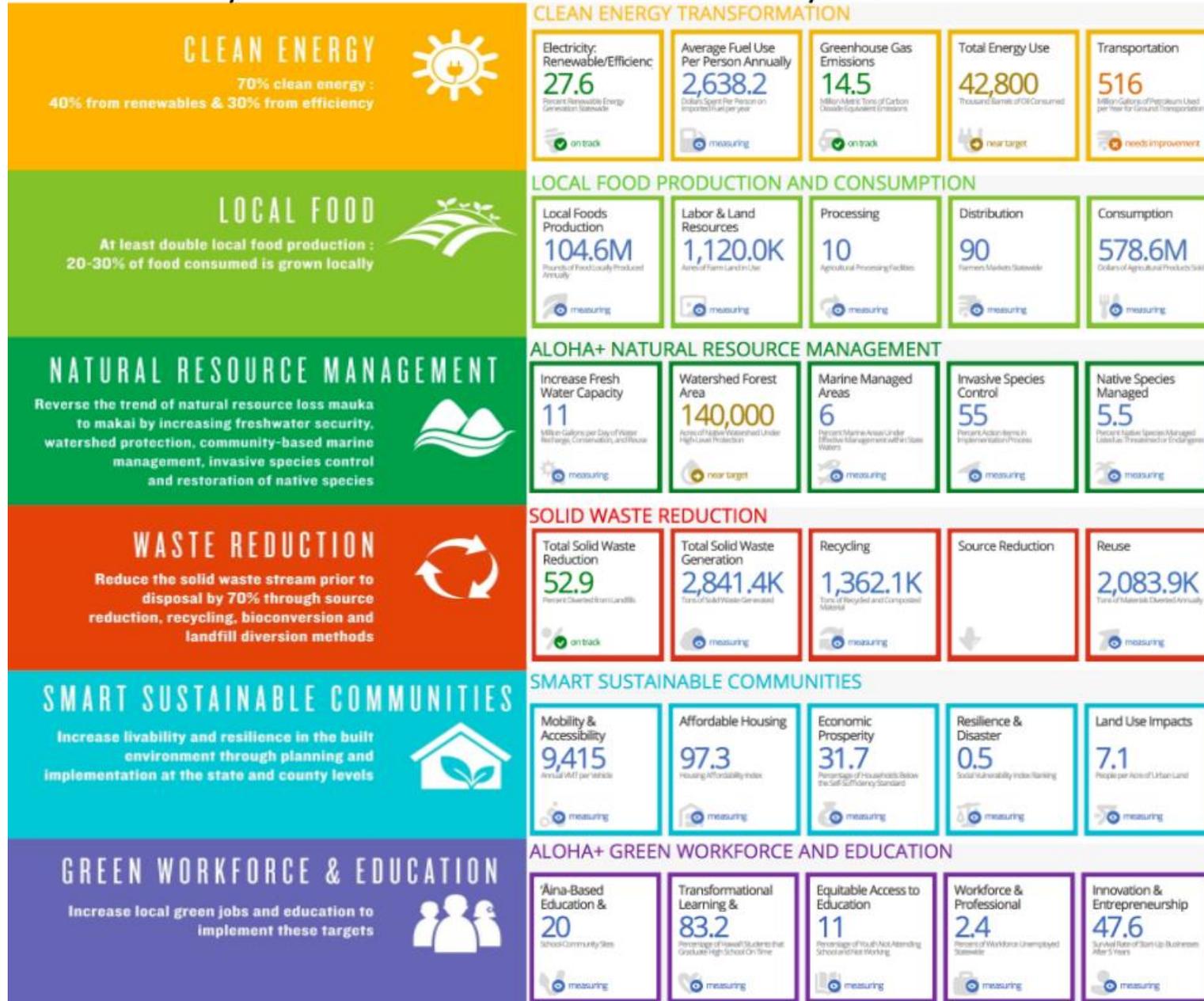
THE GLOBAL GOALS

For Sustainable Development



Aloha+ Challenge Dashboard

Accountability and Action on Hawai'i's Sustainability Goals



ALOHA+ GOALS & UN SDGs



CLEAN ENERGY



WASTE REDUCTION



LOCAL FOOD



SMART SUSTAINABLE COMMUNITIES



NATURAL RESOURCE MANAGEMENT



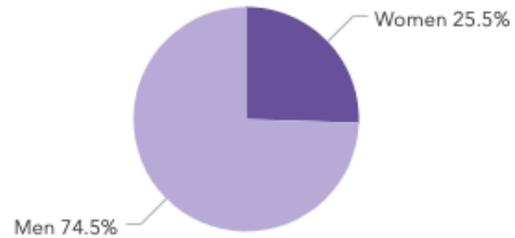
GREEN WORKFORCE & EDUCATION



Target 2:

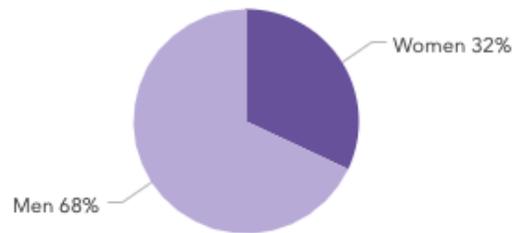
By 2030, empower and promote the social, economic and political inclusion of all, irrespective of age, sex, disability, race, ethnicity, origin, religion or economic or other status

Percent of Hawai'i State Representatives that are Women (2015)



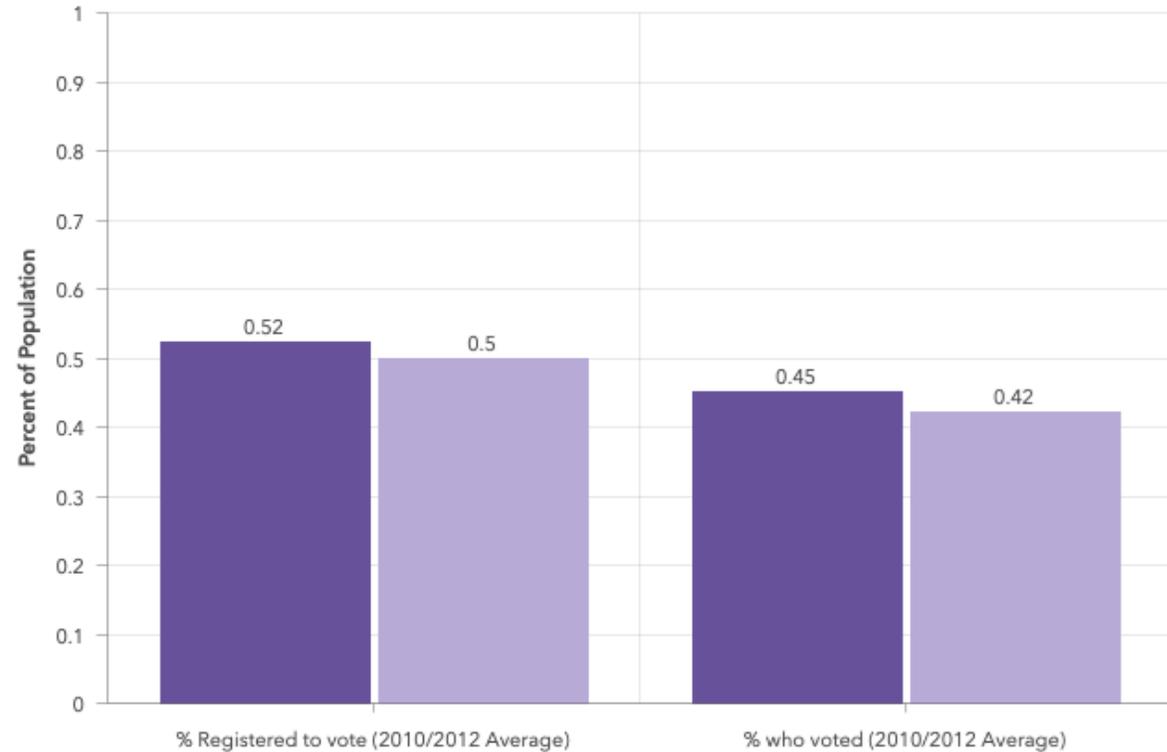
Last update: a few seconds ago

Percent of Hawai'i State Senators that are Women (2015)



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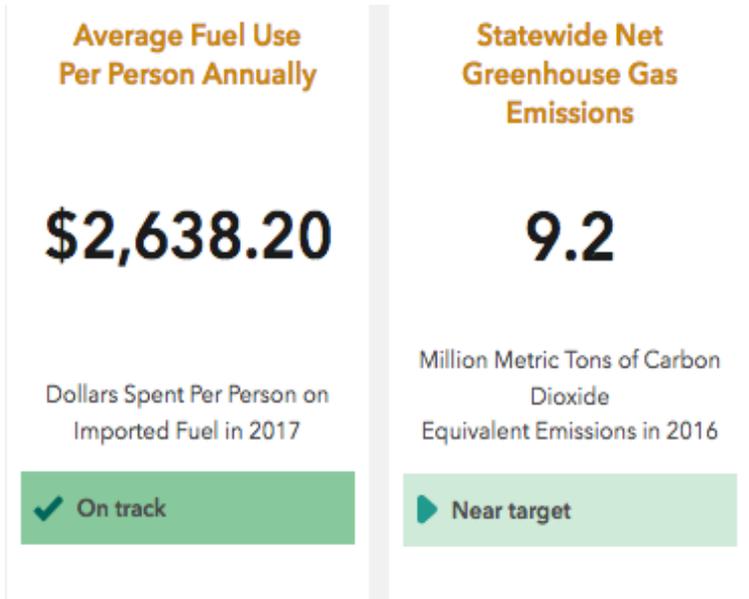
Voter Participation in Hawai'i



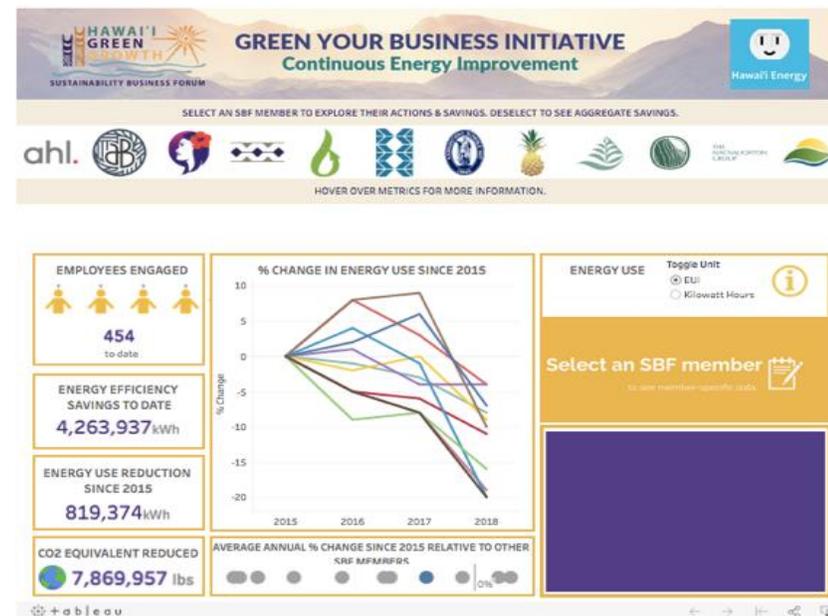
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Scalable Model: Hawai'i's Open-Data Aloha+ Dashboard

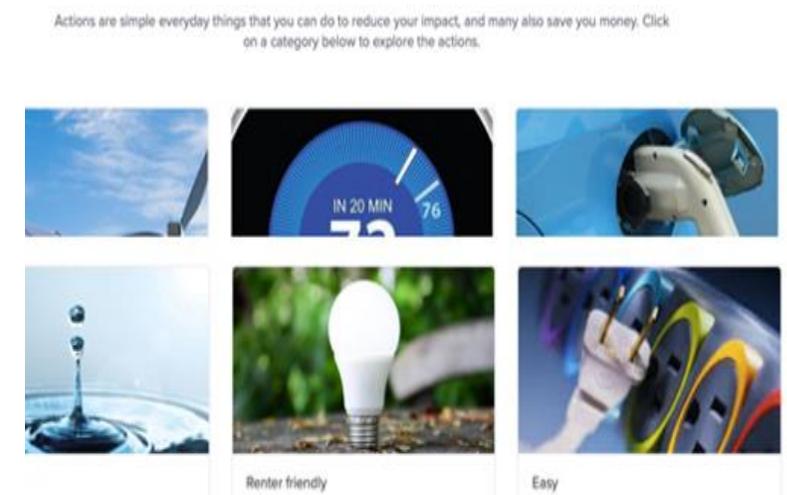
Tracks Hawai'i's local contribution to all 17 SDGs with 6 priority areas, 37 targets and 200+ community-based indicators developed through over 6 years of convening public and private stakeholders. The open-data Dashboard provides accountability and informs decision making as part of an ongoing stakeholder process.



Government Data



Business Data



Community Data

Islands Supporting Islands in Achieving the Sustainable Development Goals



Steering Committee

Andrew Yatilman, **Federated States of Micronesia**

Austin J. Shelton III, Ph.D, **Guam, Center for Island Sustainability**

Bianca Peters, **Bonaire**

Celeste Connors, **Hawai'i Green Growth Local2030 Hub**

John Gilroy, **Ireland, Department of Foreign Affairs**

Kate Brown, **Global Island Partnership**

Kaysie Brown, **UN Foundation**

Meredith Ryder-Rude, **US Department of State**

Ronny Jumeau, **Republic of Seychelles**

Susan Alzner, **Shift7**

Spencer Thomas, Ph.D, **Grenada**

Vanessa Toré, **Curacao, Ministry of Economic Development**



ISLANDS INSPIRING ISLANDS

Peer to Peer Exchange



BEST Challenge

BEST initiative as the first interregional GLISPA challenge



Guam Green Growth Action Framework



G3 ACTION FRAMEWORK



17 UN Sustainable Development Goals



5 Categories of Action



97 G3 Working Group Members
82 Organizations Represented
800 Goals, Objectives, and Actions



METHODOLOGY

► Local2030 Islands Network launched at 74th UNGA
► Executive Order 2019-23 signed to create G3 Working Group

September 2019

► G3 Working Group members appointed and action framework process launched
► 8 teams formed

January 2020

► Teams draft G3AF goals, objectives, action items, and metrics

February to March 2020

► Adapt and adjust to COVID-19
► Review and reassess process

April to June 2020

► Reconvene 5 teams
► Begin G3AF final draft development

July to August 2020

► Compilation of G3AF goals, objectives, action items and metrics

September 2020

Sustainable Development Goals

The Sustainable Development Goals (SDGs), also known as the Global Goals, were adopted by all United Nations Member States in 2015 as a universal call to action to end poverty, protect the planet and ensure that all people enjoy peace and prosperity by 2030. Hub sites and initiatives help to convey the adoption and status of the goals across all levels of government, and bring together collaborators across the community.



UN Stats Open SDG Data Hub

This open data website promotes the exploration, analysis, and use of authoritative SDG data sources for..



The UAE SDG Data Hub

The UAE SDG Data Hub sheds light on the UAE's relentless efforts towards achieving UN's 2030 goal...



Aloha Challenge

The Aloha+ Challenge is Hawai'i's local framework to achieve the SDGs with a Dashboard to track progres...



Ireland's Hub for Sustainable Development..

This is Ireland's collaboration platform for reporting on progress towards the SDGs and sharing...

Contact:

Kaimana Bingham

kaimana@hawaiigreengrowth.org

Open Discussion & Question and Answer

- **Please either...**
 - put comments / questions in the chat or
 - raise your hand to share your thoughts / ask a question !
- **Please note or state your name, country, and organization.**



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Thank you!

<https://alliance.sdg.org>