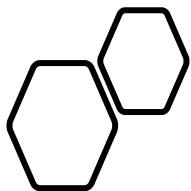# ENVIRONMENTAL DATA & INFORMATION

SUPPORTING EVIDENCE-BASED POLICIES

February 9, 2021

Presented by: Jason Williams
Data Manager, Monitoring, Evaluation & Data Management Unit (DMU)
Department of Environment
Ministry of Health, Wellness and the Environment
Antigua and Barbuda

Presentation Outline

1. Brief Overview of Department of Environment

2. Environmental Data & Information

3. Environmental Information Systems and Databases

4. EIS Informing Policies

<u>Antigua and Barbuda Department of Environment (DOE)</u> – *established under the Environmental Protection and Management Act, 2019*.

Functions include *inter alia*:-

- Coordinate the development and implementation of government's sustainable development, climate change, environment and natural resources management policies and activities;
- Coordinate and direct the implementation of multi-lateral environmental agreements;
- Establish and administer a sustainable mechanism for environmental management;
- ***Gather, analyse, publish and disseminate environmental data and information.***
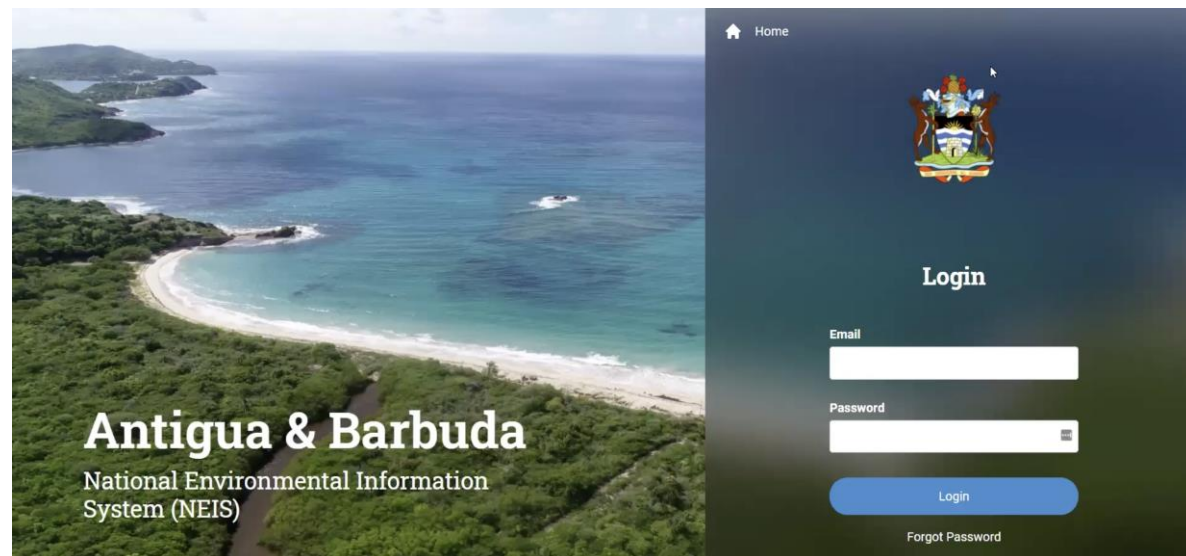
The **Monitoring, Evaluation and Data Management Unit (DMU)** is responsible for the monitoring and evaluation of the implementation of environmental projects, coordinating field data collection, managing environmental databases and coordinating environmental data-driven projects.

Environmental Information covers a broad range of topics, such as: the environment itself, including air, water, earth, and the habitats of animals and plants; other things that affect the environment, such as emissions, radiation, noise and other forms of pollution; and. policies, plans and laws on the environment.

Wordle ™ of combined 2013 EIPT abstracts

Work closely with the National Statistics Division.

Environmental Information Systems (EIS)

Monitoring, Reporting & Verification (MRV)
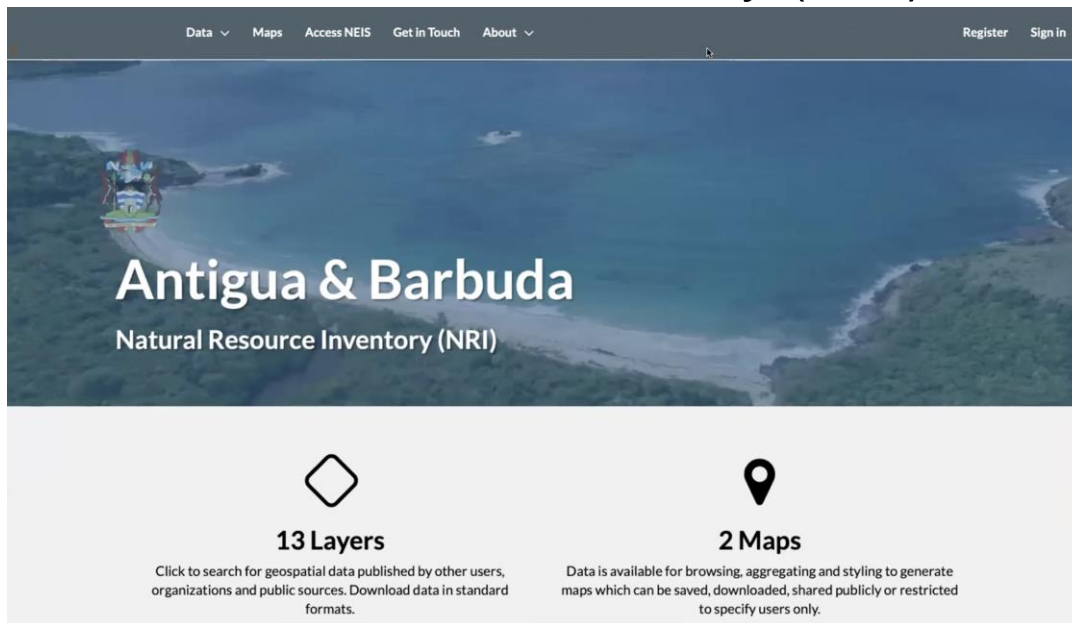
MRV SYSTEM

What is MRV

→ Monitoring/Measurement
  → Gathering and analysing information

→ Reporting
  → Informing and engaging with stakeholders

→ Verification
  → Building trust and understanding

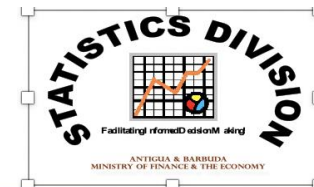## National Environmental Data & Information System (NEIS)

Antigua & Barbuda
National Environmental Information System (NEIS)

Environmental Information Systems (EIS)

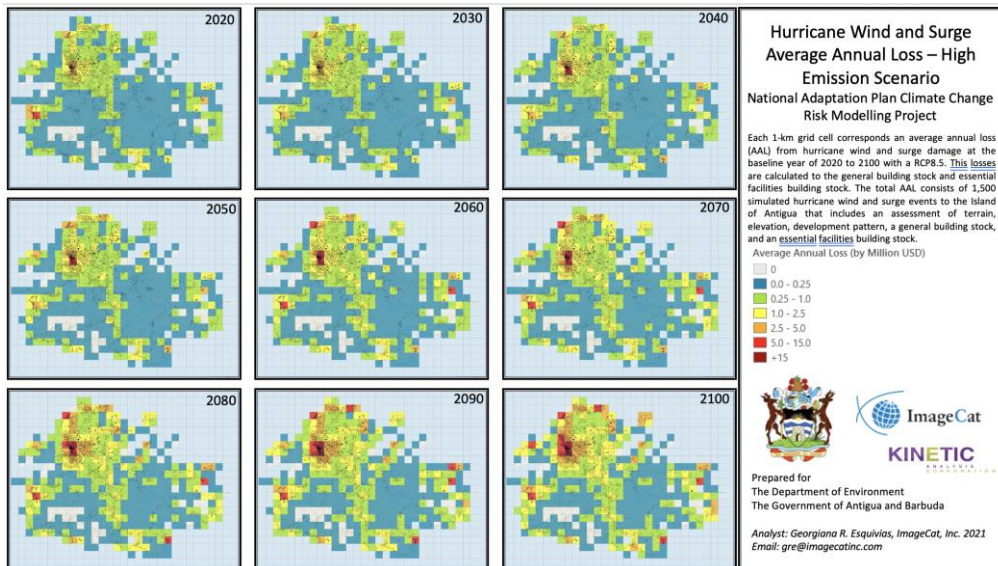## Natural Resources Inventory (NRI)

Environment Statistics

Antigua & Barbuda National Environment Statistics Database

Environmental Information Systems (EIS)

Climate Risk Maps Visualization Tool

EIS Informing Policies, Plans and Reporting

- Medium Term Development Strategy
- National Environmental Policy
- National Determined Contributions (NDC) Targets
- Sustainable Development Goals
- Multilateral Environmental Agreement (MEAs)
  - UNFCCC National Communications and BTRs
  - UNCBD National Reports
  - UNCCD National Reports
- State of the Environment Report
- National Adaptation Plan
- Sustainable Island Resource Management Zoning Plan and Local Area Plans
- Protected Areas Systems Plan
- Protected Areas Management Plans
- GHG Reduction Report
- Renewable Energy Roadmap

Thank you!