



ENVIRONMENTAL DATA AND INFORMATION SUPPORTING EVIDENCE-BASED POLICIES

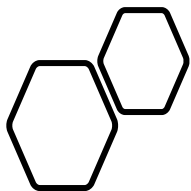
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Presented by:

Jaabari Reynolds
Monitoring Reporting and Verification Apprentice,
Department of Environment
Ministry of Health, Wellness and the Environment

Deborah Barnes
Statistical Officer 1
Statistics Division
Ministry of Finance and Corporate Governance

Antigua and Barbuda



Presentation Outline

1. Brief Overview of Department of Environment
2. Brief Overview of the Statistics Division
3. Climate Related Events Experienced in Antigua and Barbuda
4. Reasons for Developing EIS Systems
5. Environmental Data & Information
6. About the NEIS and NRI
7. Progress Made on the NEIS and NRI
8. Development of Other Systems
9. Environmental Data & Information Systems and Databases
10. EIS Informing Policies



Antigua and Barbuda Department of Environment (DOE) –
*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.***



Antigua and Barbuda Statistics Division –

Mission Statement of the Statistics Division:-

- The Statistics Division exist to produce quality official statistics by coordinating and engaging a national statistical system of users, producers and suppliers of data within a statistical development process defined by professionalism, integrity, transparency, accountability and advocacy.



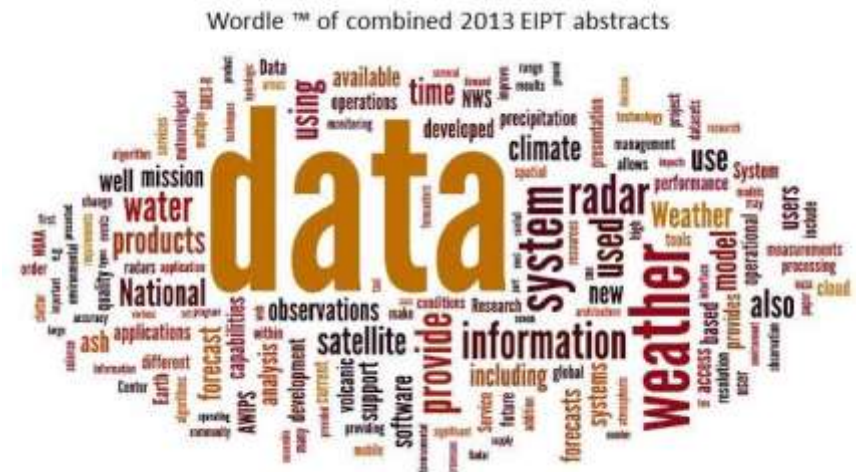
Antigua and Barbuda Statistics Division –

Functions include *inter alia*:-

- To collect, compile, analyze, abstract and publish statistical information relative to the commercial, industrial, social, economic and general activities and conditions of the people of Antigua and Barbuda;
- To collaborate with all Departments of Government and with local authorities in the collection, compilation and publication of statistical records using administrative data;
- To conduct population and housing censuses and various surveys;
- To organize a coordinated scheme of social and economic statistics and intelligence through the National Statistical System;

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.



Work closely with the National Statistics Division.

Climate Related Events Experienced in Antigua and Barbuda



Hurricanes

Drought

Flooding

Sea Level Rise

Coastal Erosion

Saltwater Intrusion

Reasons for Developing EIS Systems

To create a centralized location to house data

Improve Reporting to the various Conventions

Increase Public Awareness about Environmental Issues

To track climate related incidence

Environmental Data & Information Systems (EIS)

Monitoring, Reporting & Verification (MRV)

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)

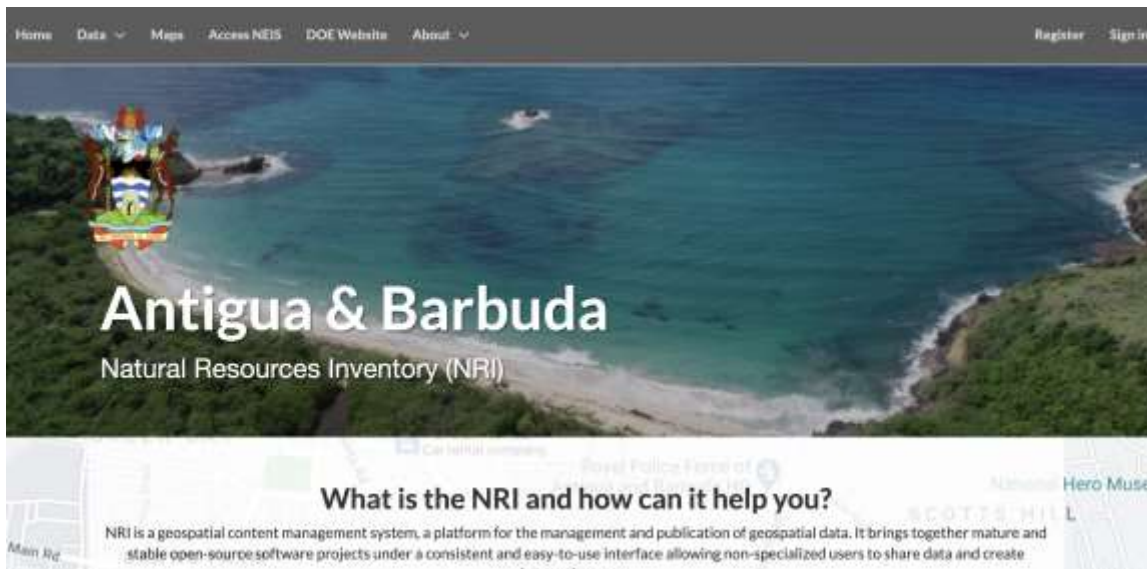
[\(https://neis.environment.gov.ag/\)](https://neis.environment.gov.ag/)



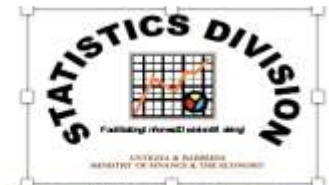
Environmental Data & Information Systems (EIS)

Natural Resources Inventory (NRI)

(<https://nri.environment.gov.ag/>)

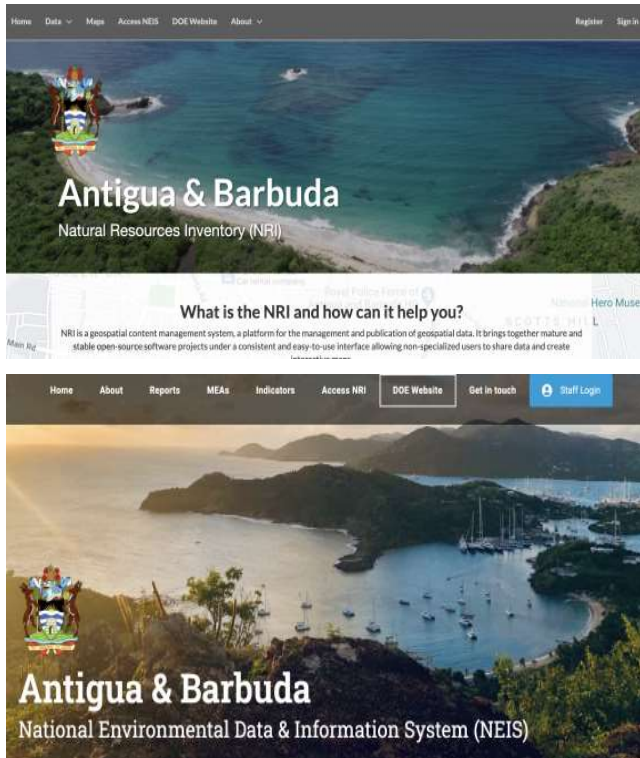


Environment Statistics



Antigua & Barbuda National Environment Statistics Database

About the NEIS and NRI



The National Environmental Data & Information System (NEIS) and the Natural Resources Inventory (NRI) are online platforms created by the Mona Geoinformatics Institute in Jamaica and the Design and Consultancy in Canada. The systems were launched on the 20th of September 2021 and provides users with data on a wide spectrum of environmental issues and will be used in the development of reports for Multilateral Environment Agreements (MEA) as well as reports for local policymakers.

Progress Made



The NEIS is currently, reporting on the Rio Conventions (UNCBD, UNCCD, and UNFCCC)



Talks underway to expand the NEIS to report on more Persistent Organic Pollutants (POPs) Multilateral Environmental Agreements (MEA's)



Workshops- The first official workshop was held on the 28th of April 2022

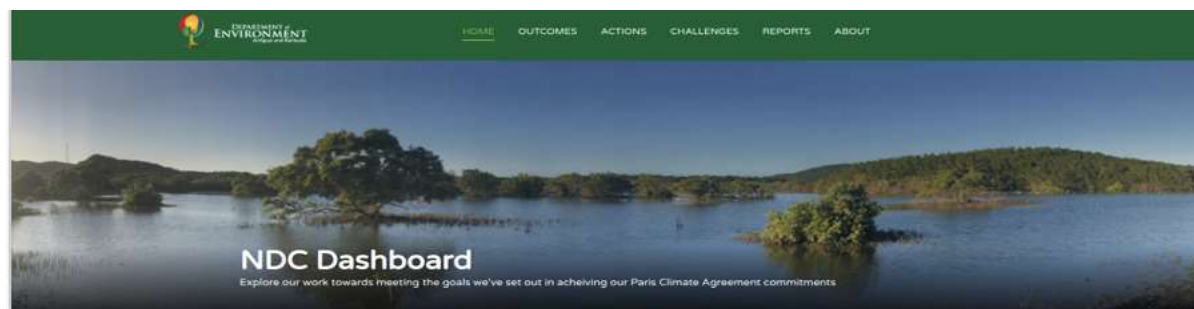
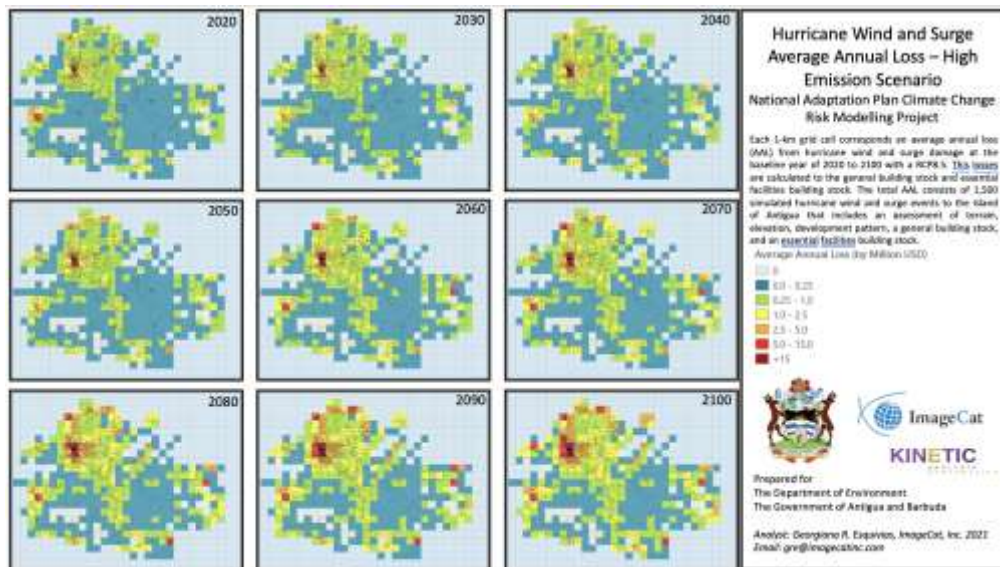
Development of Other Systems

- NDC Web Dashboard
- The Environment Registry
- Climate Risk Maps



Environmental Data & Information Systems (EIS)

Climate Risk Maps Visualization Tool



NDC Web Dashboard
presented by Sven James

Statistics Division website

(<https://statistics.gov.ag/>)



Antigua and Barbuda

Statistics Division, Ministry of Finance and Corporate Governance



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Welcome to the Statistics Division of Antigua and Barbuda



Population Projection
99,337
(2021)



CPI Inflation Rate
+2.1 %
12-month change (Sep



Air Visitor Arrivals
125,761
(Jan to Oct 2021)



Imports
EC\$M 956.3
(Jan to Aug 2021)



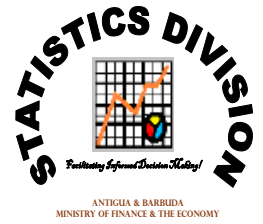
Domestic Exports
EC\$M 7.2
(Jan to Aug 2021)



**Growth Rate
at Market Prices
(Constant)**

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!