REGIONAL INFORMATION SYSTEM

Design and develop a Regional POPs Information System

Presentation by:
The BCRC-Caribbean

Overview

A database for **national and regional information** on the **uses and management of POPs** and related contaminated sites.
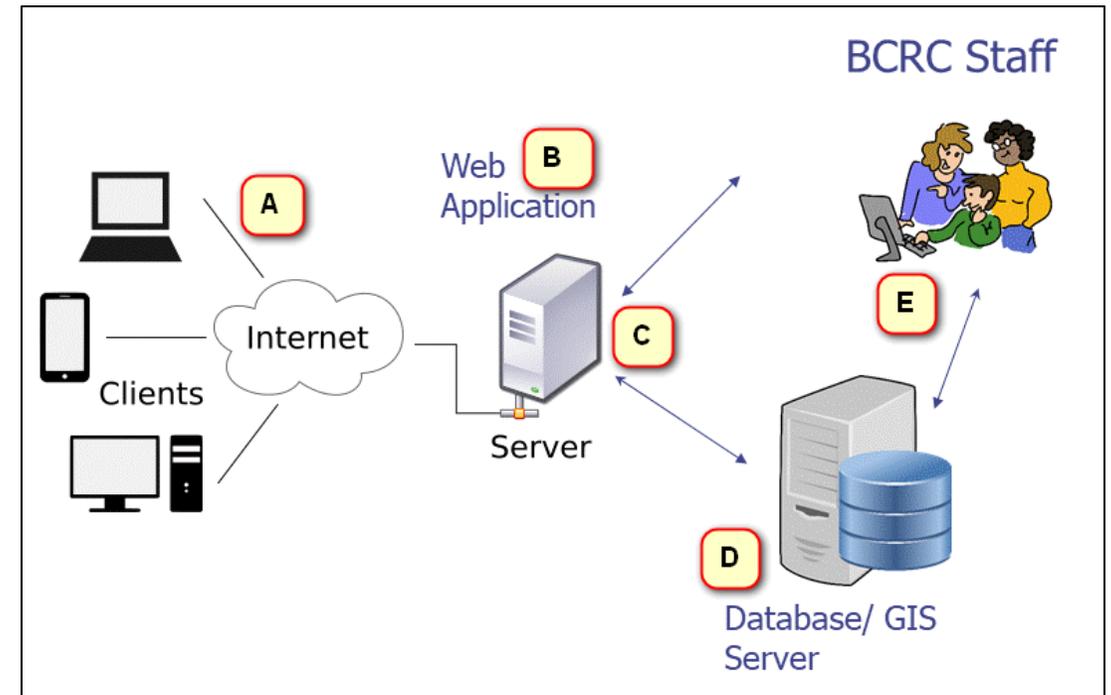
The system is:

- used by various **national agencies to improve decision making**

- designed to provide for an integrated or parallel **geo-spatial representation of data**

- used as a **depository** for POPs related studies **reports and published studies**

Architecture

- The platform is a web-based system for hosting, managing, and visualizing POPs data across Caribbean countries. Built on **ArcGIS Hub**, it features a GIS-enabled interface for mapping and analyzing contaminated sites, emissions, and chemical inventories.

- The platform securely manages both country-wide and site-specific data, with multi-level user permissions controlling access. This enables national stakeholders to view, upload, and edit data within the regional information system.
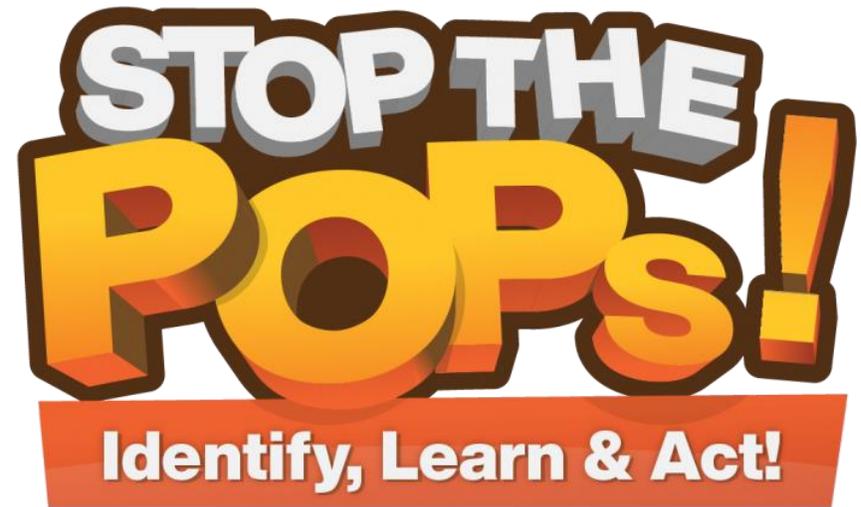
Platform Requirements

Recommended platform requirements (BTRI, 2018)

Data on the Platform

As a centralized online repository, the POPs RIS supports the collaborative management of POPs data within the Caribbean Region
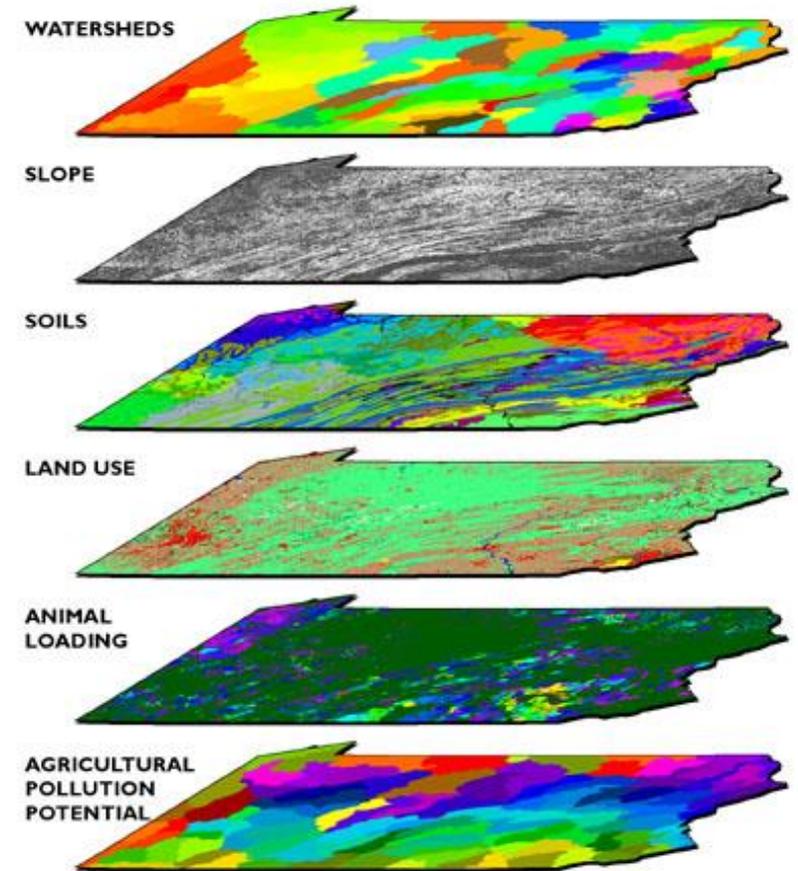
- The data included on the platform includes:

- POPs Pesticides

- PFOS

- PCBs

- UPOPs

- PBDEs (Brominated Flame Retardants)

Stockholm Convention on persistent organic pollutants (POPs)

STOP THE POPs!
Identify, Learn & Act!

GEF 5558: STOP THE POPs Campaign

Data Requirements

- The POPs – RIS was created to spatially represent the data that is provided and validated by each country, represented in the following data formats:

  (i) **GPS Coordinates or Mapped boundaries** of where POPs chemicals are stores, used or disposed

  (ii) **Name and Information on Facility** – e.g Landfill, Warehouse, Incinerator

  (iii) **Nearby Sensitive Areas** – e.g Water bodies, Residential Areas, Protected Ecosystems or Agricultural Lands

- The data should be in a **"GIS-Ready" format** e.g Shapefiles, Attribute tables.

- **Key stakeholders** to support in this process would be Ministries of Planning (for geospatial data), Environment, Health, Agriculture etc. to provide data or information on the sites as well as technical personnel to be trained.

Regional Information System for POPs

Interlinkage with Stockholm NIPs

- NIPs serve as the primary national framework for identifying sources of Persistent Organic Pollutants (POPs), outlining strategies for their reduction or elimination, and reporting on progress.

- By linking POPs-RIS with the NIP process, countries can:

  ➢ Centralize and standardize POPs-related data

  ➢ Manage inventories, stockpiles, contaminated sites, and emissions

  ➢ Streamline milestone tracking and reporting to the Convention Secretariat

2025 BRS COPs: Kiara Worth (2025)

Furthermore, POPs-RIS can support the periodic updating of NIPs by:

- Providing a current, accessible evidence base for policy and technical decision-making

- Facilitating periodic updates to National Implementation Plans (NIPs)

- Strengthening national reporting capacity

- Additionally, the platform supports regional collaboration through the promotion of harmonization across Caribbean countries, thereby enhancing the regional capacity of countries to meet Stockholm convention obligations.

- Beyond Storage, the systems functions as a dynamic tool for monitoring and sustainable chemical management

Stockholm Convention on persistent organic pollutants (POPs)

2025 BRS COPs: Kiara Worth (2025)

Feedback and discussion

THANK YOU!

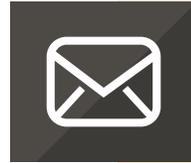Basel Convention Regional Centre for Training and Technology Transfer for the Caribbean

#8 Alexandra Street,
St. Clair, Port of Spain,
Trinidad and Tobago

Tel: 1 868 628-8369

info@bcrc-caribbean.org

www.bcrc-caribbean.org

@ Basel Convention Regional Centre - Caribbean

@bcrc.caribbean

@bcrccaribbean