Climate Change Institute

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Climate Change Institute

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Outcome 1 under J-CCCP

Proposed concrete adaptation actions under J-CCCP:
- Support CC planning by enabling preparatory work on CC Institute:
  - Capacity building for setting up and management;
  - Assessment of data gathering institutions;
- NCCPSAP

Background

Background:

◦ International studies have shown Suriname as one of the most vulnerable in the region for the effects of climate change;

◦ No large scale national studies done so far;

◦ Data to support academically sound national policy development insufficient;

◦ Coordination and pooling of available data also insufficient;

◦ Grey areas of unknown data gaps

Background

Basis of CC Institute:
- aim to develop c.q. give input to the climate and biodiversity policy based on scientific research;
- guide relevant entities in the fight against the effects of climate change; and
- secure the position of Suriname in the international conventions.

will not be inter-ministerial, will function as an organized platform in which all relevant stakeholders, which deal with climate change issues, are harbored.

This also includes services of the government institutes such as Meteorological Services and Hydraulic Research Division (WLA).

The number of institutes that will be allowed to the institution will not be limited.

Data and information that are shared between different institutions and other stakeholders will be integrated, interpreted and disseminated to policy making by the Institute.

Mission & Vision

Mission:

"To help Suriname, as one of the most vulnerable countries, to survive the effects of climate change."

Vision:

"The Climate Institute of Suriname will put Suriname on the right track that leads to climate- compatible* development."

*Climate compatible development aims to minimize damage due to climate change impacts and also to maximize the numerous options for development of humanity to a future society with low emissions of greenhouse gasses and more inner resilience with respect to climate change.

Tasks

Tasks of the Institute will be:

◦ Determine by research, the relevant issues on climate change and also climate issues that have an impact on the Surinamese society and biodiversity;

◦ Prepare and determine the national climate policy and coordination of the execution of this policy;

◦ Compose guidelines for entities/ stakeholders to guarantee a unified approach to climate change issues;

◦ Be in continuous communication with entities/ stakeholders involved;

◦ Function as national and international focal point for climate change issues in Suriname; and

◦ Give solicited and unsolicited advice to the Office of the President who is responsible for the environmental policy.

Core Business

Core business of the Institute:
- Data rescue
- Data management
- Observation network
- Capacity building
- Organizational matters
- National circumstances

Core Business

Data Rescue
- Digitalization of hard copy data
  - There are a lot of datasets available on hard copy
  - Attempts have already been executed to save data by digitalizing

- The collection of scattered saved data
  - Not all data is stored at the Meteorological Service, there is some data stored outside of this institute
  - Most of the available data of Suriname are historical data that can help to better understand our Climate and climate change

Data Management
- Data collection, storage and handout, and data archiving
  - Collected data is often not stored and most of the times not accessible
  - Sharing of certain data is sometimes difficult
  - Metadata is missing
  - A complete restructuring of databases is needed, whereby data that is in possession of several stakeholders can be brought together to one national uniform database. Research can then be conducted more efficiently and correctly

Core Business

Observation Network

- Setting up a Strategic Observation Network:
  - The current density and distribution of the observation stations are based on current needs
  - The switch to a gridded observation network is justified

- Setting up a structured Management system:
  - There will be no continuity in the work without the proper management of the Strategic Observation Network

- The development of procedures for automated data storage, handout and archiving:
  - The current procedures are time- consuming and prone to error
  - Some users prefer easy-to-use procedures to meet their needs

Core Business

Capacity building

- Set up training programs for current and future workers:
  - To perform the early mentioned tasks there are highly skilled workers needed
  - The availability of highly skilled workers is a requirement to request new activities in Suriname such as academic publications on Climate change, advise with regards to climate change and the preparation of studies regarding and taking climate change positions by Suriname on international forums

- The organization of courses for workers for the purpose
  - The required courses are a normal consequence of development

- The expansion of the services with relevant needs of sectors:
  - Meteorological and agro- climatological services needed in the agriculture sector
  - Climate knowledge is a requirement to conduct agricultural in a correct manner

Core Business

Organizational Matters

- Rewriting of the strategic planning (the mission, vision, strategic and physical organization) of government services involved:
  - The existing government services need to be adjusted to current and future development
- The formulation of policy programs
- Set up and complete a Quality Management System (QMS)
  - QMS is a guarantee for correct management

National Circumstance

- Active participants in national, regional and international partnerships for research:
  - These research participations are needed for further development
- Active participation in all activities regarding to climate and climate change:
  - Awareness and outreach are important for sustainable development

Thank you.

Questions?