

# The Caribbean Institute for Meteorology and Hydrology

<http://www.cimh.edu.bb>

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## The Importance of Satellite Data to Climate Change Studies and Research

### Training Development Plan VLMG -7





# Presentation Outline

- Overview of Training
- Delivery Approach
- Resources and Tools
- Evaluation and Assessment
- Risks
- Milestones



# Overview of Training

- Who are the target groups?
  - Meteorological Personnel are usually at the forefront of questioning on Climate Change (CC) and Climate Variability (CV).
- What will the session provide:
  - This will provide a recap of key terminology used in the field of climate studies and satellite meteorology and allow for the links to be explained.



# Objective of Training

- To provide Meteorological Personnel with:
  - basic information on the role of remotely sensed monitoring of climate change (CC) and climate variability (CV);
  - Ideas on their role on monitoring CC and CV; and,
  - how CC and CV can be easily communicated to their stakeholders whenever required.



# Overview of Training - Target Audience

All participants must possess at least a tertiary level education in Meteorology or a related science. These may include:

- International Meteorological Service Personnel
- Forecast Office Service Providers
- Academic personnel with general interest



# Overview of Training - Learning Outcomes

- Adequate knowledge of CC and CV and what this means to various organizations and communities;
- The use of satellite data/ observations in examining CC and CV
- Roles to be played in the continuous monitoring of CC and CV





# Overview of Training - Scope of Training

- Introduce the context of and terminology in climatology such as CC and CV
- Review key atmospheric, ground and sea surface variables and phenomena at the different spatio-temporal scales that determine essential climate trends
- Discuss possible CC and CV impacts



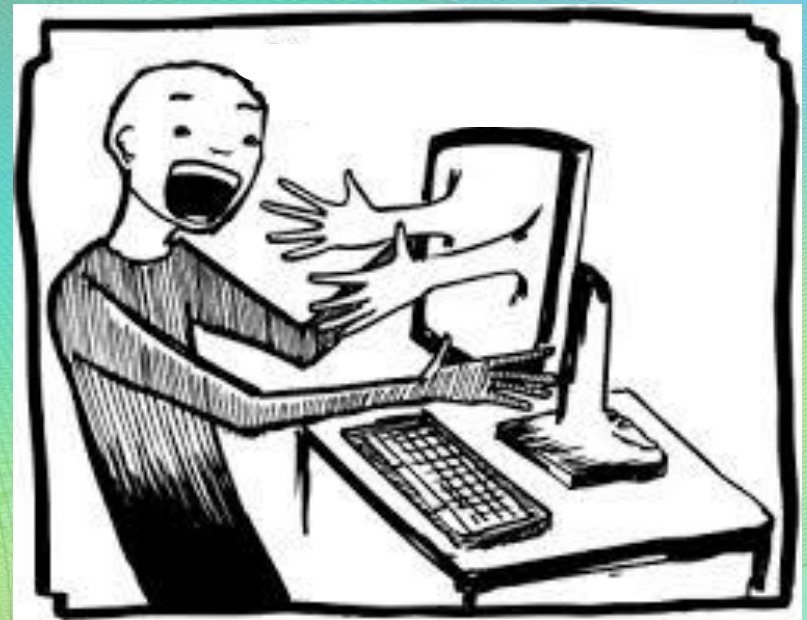
# Scope of Training

- Explain the importance of monitoring CC and CV;
- Explain the role of satellites in monitoring and predicting CC and CV;
- Identify the advantages and disadvantages of using satellites to monitor CC and CV
- Build hands-on competency in monitoring of essential climate variables;
- Obtain feedback and clarify any misconceptions



# Delivery Approach

- Voice Over Internet Protocol and online tele-/video-conferencing software such as Centra or Blackboard
- Interactive and participant - centred with
  - Case Studies
  - Discussion
  - Questioning
  - Sharing of best practices and lessons learnt





# Resources and Tools

- Development and implementation of the session will require:
- Human Resources
  - Climate Experts
  - Content Developers and Presenters such as personnel from the WMO Centres of Excellence and the Virtual Laboratory for Training and Education in Satellite Meteorology (VLab)
  - Reviewers
  - Training Support
  - Translators



# Resources and Tools

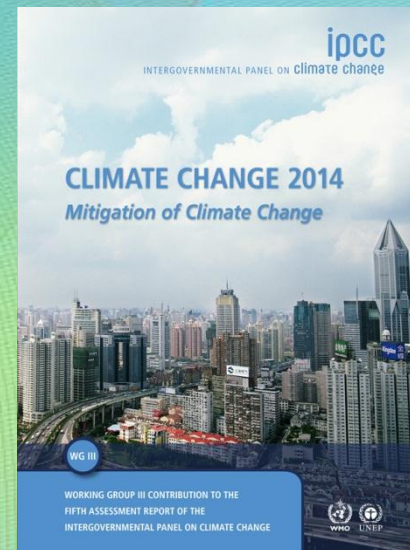
- Development and implementation of the session will require:

## Content Resources

- Translation of materials in other languages
- Reader friendly formatting and graphic designing of the presentation

## Reference Materials

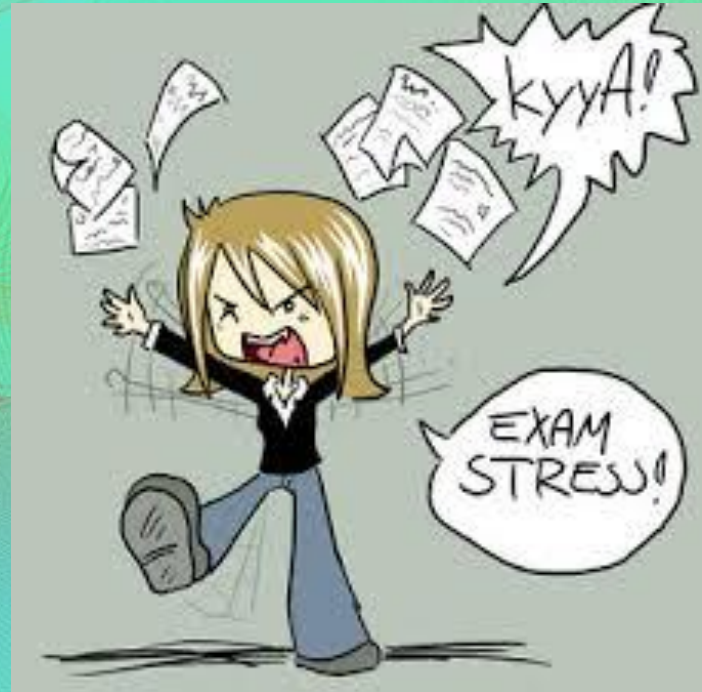
- WMO
- IPCC report
- CCCCC
- EuMETSat





# Evaluation and Assessment

- **No evaluation or assessment !**



- There will be a short feedback session to clarify any misconceptions related to the key concepts presented in the session.



# Risks

- Many existing on-going programmes, and possible overlaps
- Delays in the adaptation of the materials
- Scheduling challenges and conflicts may arise.
- Participating personnel may not possess the pre-requisite knowledge and experience required.



# Milestones



Development and endorsement of final presentation, materials and learning activities by **October 31st, 2014**

Hosting of the VLab Online Session by **November 28th, 2014.**



# Questions?

For further details:

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