



GEF-UNEP ENERGY FOR SUSTAINABLE DEVELOPMENT IN CARIBBEAN  
BUILDINGS (ESD) PROJECT

# *Building Performance Assessment*

Proposed methodology and consultation on  
validation procedures, streamlining and assuring  
project Impact

*Introductory Session #5: 18 Aug 2014*

*Presenter: Tom Hamlin, UN DESA*

# AGENDA

11:30 AM EDT	Air Filtration
	Room infiltration using a decay method using the CO2 concentration decay after working hours.
12:30 PM	National Archives St. Vincent & Grenadines

# Air Infiltration

- Belize proposes that the Indoor air quality monitors that are recording CO<sub>2</sub> can capture a decay rate each work day when the occupants leave
- This will give a lot of data somewhat less precise than the proposal to inject CO<sub>2</sub> (see previous meeting slides) but will give a large volume of data throughout the year.
- Belize will pilot test the method once equipment is installed and share with the rest

# St. Vincent Archives

- Chaz provided a good building description and commented on the building that some spaces are probably not fully conditioned
- We took his example and applied the Energy Efficiency Measures recommended in the consultant's report
  - There could be many reasons for differences including current electricity rates versus data used by the consultant, calculation methods, other data differences

# Demo sites during the training/consultation

- Gov't Office building each?
- Hospital each?
- 3 Hotels
- 2 supermarket/stores/strip malls
- 2 restaurants

# Preparing for 6<sup>th</sup> session

- Gather data for your buildings
- Detailed Design (Introduction ONLY)

# Downloading The RETScreen Suite

- We will be using [RETScreen](#) for week **8/18 – 8/21 (PV and SHW)**
- **RETScreen 4** is an Excel-based clean energy project analysis software tool that helps decision makers quickly and inexpensively determine the technical and financial viability of potential renewable energy, energy efficiency and cogeneration projects.
- **RETScreen Plus** is a Windows-based energy management software tool that allows project owners to easily verify the ongoing energy performance of their facilities.
- [Click here to download RETScreen Suite](#)