Climate in a Box Workshop Agenda

September 21–22, 2010
Goddard Space Flight Center
Greenbelt, MD

Day 1 Introduction and Models

8:00 **Refreshments**

8:30–9:00 **Introduction and Overview**

9:00–12:00 **GEOS-5**
- Introduction
- GEOS versions
- Prerequisites: Baselibs
- Break
- Configuration/building
- Setting up experiment and experiment execution

12:00–1:00 **Lunch (Offsite)**

1:00–3:00 **WRF**
- Introduction
- Configuration/building
- Break
- Setting up experiment and experiment execution

3:00–4:00 **ModelE**
- Introduction
- Prerequisites: NetCDF and ESMF
- Configuration/building
- Setting up experiment and experiment execution

Day 2 Workflow Tool and Distributed Modeling System

8:00 **Refreshments**

8:30–9:00 **Introduction to the NASA Workflow Tool**
- Overview of tool
- What it is used for
- How it works

9:00–10:00 **NASA Experiment Designer (NED)**
- Loading a workflow
- Configuration options
- Features in-depth
- Break

10:00–10:30 **Running the GEOS-5 Workflow**
- Run from Cirrus or Nimbus
- Run from Discover
- Retrieving Outputs

10:30–11:30	**Creating a Workflow - Part I: Overview**
	Elements of a workflow
	Tools to create workflows
	Advanced workflows (scripts, plugins)
	Case Study: WRF Workflow
11:30–12:30	**Lunch (Offsite)**
12:30–2:30	**Creating a Workflow - Part II: Hands-on Training**
	Using the workflow editor tool
	Creating a new workflow
	Running your workflow
	Making your workflow configurable
	Break
2:30–3:30	**Distributed Modeling System**
	Network and infrastructure requirements
	Discussion about potential ideas
3:30–4:00	**Summary/Wrap-up**