

# Data Management Issues for CCRN: Open Discussion

- WECC Observatories
- Spatial datasets and model output

# 1. WECC Observatory Data

To date, the CCRN data management focus has been on the WECC Observatories.

Good progress with time series data (meteorology, flux-tower, soil temperature and moisture, etc.)

# WECC Observatory Data Access

Note: WISKI is the operational data management engine but not the routine data access point

Branko is working to provide easy access to  
Observatory data via

- automated output from the WISKI database
  - in uniform standardized flat ascii files
  - posted on a password-protected FTP site

# WECC Observatory Data Outstanding Issues

What challenges are the Observatories  
facing with data submission?

# WECC Observatory Data Outstanding Issues

2014-2015 goal for all  
Observatories to submit:

- metadata
- site characterization data  
(soils, vegetation, etc.)
- need to review and distribute standard  
metadata and site characterization templates
- IP3 products will be a good starting point

## 2. Spatial Data Sets

From the data management perspective, *network-wide* needs for spatial datasets are still unclear, e.g.

- gridded atmospheric data from climate and weather models
- soils, vegetation, topography
  - remote sensing imagery
  - ???

## Spatial Data Sets

Assistance with spatial datasets becomes a CCRN data management task when

- the data are needed by multiple users
- it is important to agree on a common data product

For data products accessible elsewhere,  
provide link from CCRN website

If not easily accessible elsewhere, make data  
available in CCRN Central Repository

# Need to Identify Network-Wide Needs for Spatial Data and Agree on Common Products: **NOW!**

- Atmospheric data from: climate and weather models; reanalysis products; gridded observations
- Vegetation, soils, topography ...
  - Remote sensing data
  - Other?



# Atmospheric Data Products

Archive weather model output:

Beginning soon:

- GEM 2.5 km, entire domain, starting soon
  - WRF 5 km, SK River Basin only

## Atmospheric Data Products

Which gridded observational product?

- CANGRD 20<sup>th</sup> century monthly temperature and precipitation currently available

Which NWP reanalysis product?

Which RCM and GCM products?

- IPCC producing a new 50 km product

## Other Spatial Data Products

- Vegetation, soils, topography ...
  - Remote sensing data
    - Other?

# Summary of CCRN Data Access Policy

*“CCRN embraces as open an approach as possible ... must respect the rights of the data originators ... ”*

## *Timelines:*

- Funded data originators have up to one year to submit to central repository;
- Longer holdbacks can but must be approved, case-by-case;
- After submission, access is limited to network for one year, followed by public release.