

# ORGANIZATIONAL FRAMEWORK FOR HEPEX

- INTRODUCTION
  - Some points may be trivial or evident
  - Broad definition on how work should be carried out – organizational structure should reflect this, not other way around
- GENERAL ORGANIZATIONAL STRUCTURE
  - Strong leadership - General direction, ensure balance between groups, goals, etc - (2-3 co-chairs)
  - Core steering committee, trusted representatives form subgroups and affiliated projects – administer program
  - Broad community involvement in sub-groups, buy-in, carry out program

# DEFINE PROGRAM, IDENTIFY CONNECTIONS

- Not too broad, not too narrow – find balance, clear identity for program among existing projects etc
- Find connection with operational and other funding agencies
  - In US, NSF Center(s) of Excellence?
- International umbrella?
- Program named after important methodology – reflects underlying science issues

# PROGRAM ACTIVITIES - GENERAL

*Write science and implementation plan – suite wide spectrum of interest – from science to applications*

- Define science questions – Uncertainty key focus
- Development goals (Compare/test prototype ensemble systems)
- Establish test beds (means for development/testing)
- Actively cultivate user base

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# WORKING GROUPS

## *MATRIX ORGANIZATION*

### **THEMATIC (SCIENCE)**

#### *STUDY HYDROLOGIC UNCERTAINTY*

- Meteorological ensemble (forcing uncertainty)
- Pre-processing
- Hydro/land surface initial uncertainty
- Hydro modeling uncertainty#
- User applications

### **PRAGMATIC –**

#### *CONSTRUCT INTEGRATED ENSEMBLE FCST SYSTEM / CHIPS / TEST BED(S)*

- Now-casting (0-6 hrs)
- Short-range (0-2 days)
- Medium-range (3-15 days)
- Seasonal (months)

# TIMELINE

1 week	HEPEX Meeting Summary
1 mos	Initiate steering committee
1-6 mos	Inform funding agencies
2 mo	Draft Science and Implementation Strategy – for comments from community
4 mos	Revised Plan ready
4 mos	Contact other projects/programs, seek mutually beneficial arrangements
4 mos	Form initial working groups –detailed planning
6 mos	Second HEPEX meeting (Steering Committee)
9 mos	Further international recognition?
10 mo	Start HEPEX-related research with existing funding
1 yr	Funding initiatives
2 yrs	HEPEX-funded research starts
2-3 yrs	First results