



# *CROUNE*

*Helping communities anticipate & prepare  
for climate change, severe weather...*

*by Dave Fulker -  
seeking input/discussion at the  
Unidata Users Workshop of June 2009*



# *Resonating Opportunities?*

- Localities/cultures need to prepare for environmental change/events, often with instrumentation challenges
- Diverse colleges/universities potentially can help meet those needs...

*... although instrumentation education at colleges/universities needs strengthening*

- Good models exist (COMET, Unidata...) for supporting new practices in higher ed



# *Tentative Long-term Goal*

*(for a possible new project)*

- Strengthen colleges & universities
    - ✧ many of which serve underrepresented populations to help communities address geoscience-related topics
    - ✧ of critical importance (as determined by community involvement)
- using a 3-pronged approach that integrates
1. Education
  2. Observational research
  3. Capacity building

The background of the slide is a light blue image of the Earth as seen from space, showing the Western Hemisphere with North and South America visible. The image is slightly faded and serves as a backdrop for the text.

# *Preliminary Vision (Outcomes)*

- Colleges & universities gain support for
  - ✧ teaching & learning
  - ✧ research & applicationof geoscience-related subjects that
  - ✧ have local, regional, community-specific or commerce-specific relevance
  - ✧ require innovative instrumentation or specialized data streams
- Early concept testing in underrepresented communities/institutions → leadership





## *Your Input Needed -*

- To correct assumptions & premises
- To assess potential importance
- To identify effective partners
  - ✧ Organizations
  - ✧ Communities
  - ✧ Individuals
- To find a better acronym than CROUNE!



# *Do You Agree with My Assumptions/Premises?*

- “Communities” will seek (observational) scientific help as they anticipate environmental threats
- Colleges/universities have (much of) the capacity required to offer such help
- Providing such help can & should be linked
  - ✧ To improvements in instrumentation education
  - ✧ To increasing diversity in the geosciences
- Colleges/universities will be most successful in this if supported as in Unidata, COMET/MetEd...

# *Which Are (Most) Important?*

- Proof-of-concept (leadership) at universities /colleges serving underrepresented groups
- Central support for colleges/universities to
  - ✧ teach instrumentation/observation in a context with local, regional or community-specific importance
  - ✧ directly involve the affected communities
  - ✧ network with peers on these matters
- Empowering society to deal with climate change, natural hazards, etc.
  - ✧ Knowledge
  - ✧ Workforce development
  - ✧ (Entrepreneurial) capacity building



# *Can You Identify Key Players?*

- Communities wanting/needing to prepare for environmental changes or events
  - ✧ Cities?
  - ✧ Regions?
  - ✧ Tribal groups?
  - ✧ Business sectors?
- Academic connections to the above
  - ✧ Institutions?
  - ✧ Individuals?



# *Suggest a Better Acronym!*

*(CROUNE ~ Community-Relevant Observation  
and Understanding of the Near Environment)*

- I welcome all ideas/suggestions re
  - ✧ A project acronym
  - ✧ Articulation of the project concept
  - ✧ The choice to emphasize instrumentation education and under-represented groups
  - ✧ Organizations/individuals to enlist as
    - ✧ Early adopters, testers of prototypes, etc.
    - ✧ Members of a steering committee
- Contact: *fulker@ucar.edu*