

Unidata Five-year Core-funding Proposal: A Tentative Outline

1. Introduction:
 - a. Importance of a community facility to support geoscience education and research
 - b. Emphasize that Unidata is both an essential “utility” as well as a research, development and deployment program for community benefit
 - c. Vision: What will the community be able to do in five years?
2. Overview of Unidata
 - a. Unidata description, history and evolution, governance
 - b. Responsiveness to community needs and transformational role of Unidata
 - c. Evolution from a mesoscale/synoptic meteorology focus to a broader geoscience emphasis (mention use of netCDF, THREDDS, LDM, IDV in other geoscience disciplines)
 - d. Cite key accomplishments and contributions
 - e. Mention Metrics and Assessment report and other internally collected metrics
3. Key Drivers in Science, Education, and Information Technology and Community Trends
 - a. Present and future communities, community broadening, international activities
 - b. Present and future community needs
 - c. Evolving landscape, reference to national and international reports, NSF, NOAA and NASA strategic plans
 - d. Recognize the merging of weather and climate as a science focus and Unidata’s obligations to serve both communities --- serving as a special role to facilitate the merger.
 - e. Need to enable interdisciplinary science at the boundary of atmospheric sciences (especially, with hydrology and oceanography)
4. Focus Areas During the Next Five Years
 - a. Expanding Community Services
 - b. Advancing Data Services
 - c. Developing and deploying Tools
 - d. Improving User Support Services
 - e. Facilitating CI Leadership
 - f. Promoting Diversity

Each area will describe both current activities and proposed ones for the next five years

Research, development and deployment will be described as needed

5. Overarching strategies to achieve proposed goals

- a. Continuing active engagement of community and governing committees
 - b. Improving organizational efficiency
 - c. Expanding strategic partnerships and collaborations
 - d. Creating and promoting self-organizing support communities
 - e. Pursuing opportunities and conducting synergistic activities outside of the core-funding, and leveraging resources
6. Broader Impacts
- a. Metrics and assessment
 - b. Measuring progress
7. Time-table
8. Budget Plan
- a. Request by Core Program
 - b. Other funding
9. Appendices
- a. Supporting documents
 - b. Glossary/Acronyms
 - c. Supporting letters