Report on meeting of WG-RAP

Daejeon,

Tuesday 27 October 2009, 13:30-15:00

WG-RAP meeting

- Chair: Karel Vietsch
  - substituting for Maxine Brown

- Three presentations:

  - 'Global CyberBridges: Hurricane Mitigation enabled by ICT' by Heidi Alvarez (FIU)

  - 'Building a New User Community for Very High Quality Media Applications On Very High Speed Networks' by Laurin Herr (Pacific Interface Inc.)

  - 'Lamda-enabled Applications in Russia' by Natalia Bulashova (RIPN)

Presentation Outline

- International Hurricane Research Center (IRHC) Hurricane Mitigation*
  - A Research Agenda Aimed at Mitigating Hurricane Hazards
- Global CyberBridges Hurricane Mitigation
  - Background and Motivation
  - Role of Cyberinfrastructure and Global CyberBridges
  - Hurricane Mitigation Project Overview
  - Project Status
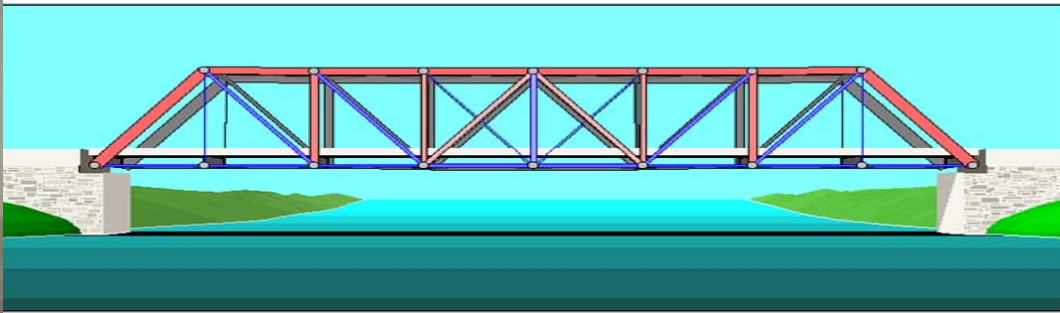 - Cyberinfrastructure Contributions
- Conclusion

What is Global CyberBridges?

- Cyberinfrastructure Training, Education, Advancement, and Mentoring for Our 21st Century Workforce (CI-TEAM)

- Three year award (Oct. 2006 - Dec. 2009) for $765,000 total to CIARA at FIU

- The program expands on CyberBridges, which was initiated in 2005 to help FIU scientists and engineers advance their research through cyberinfrastructure (CI).

Why Apply Cyberinfrastructure to Research & Learning?

- Preparation for a globalized workforce
- Innovation is now driven by global collaboration
- Diverse (and complementary) expertise
- Enable transparent cyberinfrastructure
- In Global CyberBridges, students are the bridges

What is CineGrid?

- CineGrid is a non-profit international membership organization.

- CineGrid's mission is to build an interdisciplinary <u>community</u> focused on the research, development, and demonstration of networked collaborative tools to enable the production, use and exchange of very high-quality digital media over high-speed photonic networks.

- Members of CineGrid are a mix of media arts schools, research universities, scientific laboratories, post-production facilities and hardware/software developers around the world connected by 1 Gigabit Ethernet and 10 Gigabit Ethernet networks used for research and education.

CineGrid International Workshop 2008
@ UCSD/Calit2 in San Diego
Save the Date: December 6-9, 2009

Lambda-enabled Applications in Russia

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Lambda-enabled Applications in Russia

- VLBI
- Russian Data Intensive Grid (RDIG)
- High-Energy Physics (LHC)
- Earth Science
- Atmospheric Science
- Medical Science
- Applied Physics
- ITER