

Eco-Informatics & Decision Making

BDEI3 Workshop

December 13-15, 2004

Welcome

Judy Cushing, *The Evergreen State College*

Tyrone Wilson, USGS/NBII

Frank Biasi, The Nature Conservancy; Larry Brandt, NSF;

Mike Frame, USGS/NBII; Valerie J. Gregg, NSF;

Eric Landis, Natural Resources Information Management;

John Schnase, NASA; William Sonntag, EPA;

Sylvia Spengler, NSF; Christina D Vojta, USFS;

www.evergreen.edu/bdei

Eco-Informatics & Decision Making

Why we are here....

- **To define a computer science and social research agenda to help decision makers who use eco-informatics artifacts.**
- **Who are these decision makers?**
 - National, State, Local and NGO resource managers
 - Those who carry out government policy, and provide information to those who do
(NOT legislative process....)
- **Our report will serve as the basis for research & development efforts at NSF (2005), USGS, and EPA.**

Biodiversity and Ecosystem Informatics

The BDEI Context

- **PCAST Report and NBII**
- **BDEI 1 -- 2001 Identify relevant existing R&D and BDEI problems**
 - 14 small NSF research-initiation projects – *mostly in support of ecological research*
- **BDEI 2 – February 2003 -- PI's meeting**
 - Semantic Data Integration -- *Kate Beard-Tisdale*
 - Spatial Data and Remote / InSitu Sensing – *Geof Hennebry*
 - Modeling and Forecasting – *Jim Clark*
 - Putting it into Practice – *Rob Stevenson*

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From Here to There...by Jan. 15?

- **What's the Problem?**
 - Two Plenaries & 5 Breakout Sessions
 - Policy, Data Presentation, Data Gaps, Tools, Indicators
- **What are the Research Issues & the nature of that Research?**
 - One Plenary & 5 Breakout Sessions
 - Integration, Ontologies, Modeling/Simulation, Data Quality, and Human Centeredness
 - Critique (to the tune of a good dinner) & Review
- **How the Research Solves the Problems?**
 - Breakout Session III pulls together results from Breakout I and II

...We take these results & with your help → report.

Acknowledgements

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- **Steve Abercrombie, Aaron Crosland, Gigi Sanchez, Hiroshi Sato**
- **Janos Fulop and Stefan Jensen**
- **NSF**
- **USGS, NASA, EPA**
- **The Prairie Home Companion... "...travel safely, and we're all looking forward to hearing what 'eco-informatics' means, when you get home..."**

Setting the Stage....

- **Sylvia Spengler -- the NSF Point of View**
- **John Schnase -- Dessert with The PCAST report**
- **Ed Hovy -- EPA-AIR – A NSF DG Case Study**
- **William Sonntag – Government Decision Making**
- **Small Group Discussions & Feedback to Plenary**
- **9:00 Adjourn**