Environmental Information Management 2011

Wednesday, September 28, 2011

7:00 AM	**Registration and Coffee**	(Location TBD)
8:15 AM	**Welcome to EIM**	M. Jones and C. Gries

S1: Sensors and Workflows — Santa Ynez Room

8:30 AM	Grady et al.	Lifemapper, VisTrails and EML: Documented, Re-executable Species Distribution Models
8:50 AM	Barseghian et al.	Sensor lifecycle management using scientific workflows
9:10 AM	Barateiro et al.	Archiving Sensor Data - Applied to Dam Safety Information
9:30 AM	Jaroensutasinee et al.	Coral sensor network at Racha Island, Thailand
9:50 AM	Gries and Porter	Moving from Custom Scripts with Extensive Instructions to a Workflow System: Use of the Kepler Workflow Engine in Environmental Information Management
10:10 AM	Lerner et al.	Provenance and Quality Control in Sensor Networks

BoF1: Birds-of-A-Feather sessions — Fiesta Room

8:30-10:30 AM	Hollingsworth	Internet mapping: What are the options?

10:30 - 11:00 AM BREAK

Keynote: Patricia Cruse, California Digital Library — Santa Ynez Room

11:00AM-12:00 PM	Building Communities, Partnerships, Tools, and Services in Order to Thrive in a Dynamic Information Landscape

12:00 - 1:30 PM **LUNCH**

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Wednesday (continued)

S2: Semantics and Data Management   Santa Ynez Room

1:30 PM	Gandara et al.	CI-Server Framework:Cyber-Infrastructure Over the Semantic Web
1:50 PM	Leinfelder et al.	Using Semantic Metadata for Discovery and Integration of Heterogeneous Ecological Data
2:10 PM	Zheng et al.	A Semantically-Enabled Provenance-Aware Water Quality Portal
2:30 PM	Simons et al.	Toward species interaction networks – Managing, visualizing and synthesizing Gulf of Mexico geo-spatial trophic data
2:50 PM	Lehtonen et al.	The Process of Digitising Natural History Collection Specimens at Digitarium
3:10 PM	Strasser et al.	DataONE: Promoting Data Stewardship Through Best Practices
3:30 PM	Tenopir et al.	Understanding the data management needs and data sharing challenges of environmental scientists

BoF2: Birds-of-A-Feather sessions   Fiesta Room

1:30 - 2:30 PM	Robinson	Using Web Tools and Methods to Support Earth Science Collaborations
2:30 - 3:30 PM	Valentine, Skibbe and Hollingsworth	Geospatial Data Management for Ecological Research Organizations

Poster Session and Reception   Sierra Madre North Room

4:00 - 7:00 PM Poster Session and Reception
                -- Lightning talks start at 4:30 (1 minute each, no slides)

Thursday, September 29, 2011

8:00 - 8:30 AM **Coffee**

S3: Discovery, Visualization, and Analysis — Reagan Room

8:30 AM	Gallagher et al.	Searching for satellite data sets using Kepler, Metacat and EML
8:50 AM	Franklin et al.	Rapid Development of a Hybrid Web Application for Synthesis Science of Symbiodinium with Google Apps
9:10 AM	Belbin	The Atlas of Living Australia
9:30 AM	Stewart et al.	Lifemapper: Infrastructure and Services for Biodiversity Science
9:50 AM	Pham et al.	Interactive Visualization of Spatial and Temporal Patterns of Diversity and Abundance in Ecological Data
10:10 AM	Banerjee et al.	Development and application of a fast and accurate image analysis algorithm to study the influence of vermicompost and AMF on the growth of Azadirachta indica

BoF3: Birds-of-A-Feather session — Fiesta Room

8:30-10:30 AM	Sheldon and Porter	Automating Data Processing and Quality Control using Workflow Software: Converting Sensor Data to Usable Environmental Information

10:30 - 11:00 AM BREAK

Keynote: Ned Gardiner, National Oceanic and Atmospheric Administration — Reagan Room

11:00AM-12:00 PM — The Future is Unwritten: Data and Information for a Transforming World

12:00 - 1:30 PM **LUNCH**

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Thursday (continued)

S4: CyberInfrastructure Systems   Reagan Room

1:30 PM	Bainbridge	A services based architecture for delivering interoperability for environmental observational data
1:50 PM	Glaves and Schaap	Geo-Seas: a pan-European marine geoscientific e-infrastructure
2:10 PM	Izurieta et al.	A Cyber-Infrastructure for a Virtual Observatory and Ecological Informatics System -VOEIS
2:30 PM	Porter and Kortz	Web Services in the U.S. Long-Term Ecological Research Network: Now and in the Future
2:50 PM	Tarboton et al.	Data Interoperability in the Hydrologic Sciences: The CUAHSI Hydrologic Information System
3:10 PM	Zaslavsky et al.	The Initial Design of Data Sharing Infrastructure for the Critical Zone Observatory

BoF4: Birds-of-A-Feather sessions   Fiesta Room

1:30 - 3:30 PM	O'Brien and Servilla	Functional Requirements for the EML Dataset Congruency Checker

3:30 - 4:00 PM BREAK

Plenary Discussion   Moderator: O'Brien   Reagan Room

4:00 PM - 5:00 PM	O'Brien	Community Standards and Practices Development

5:00 PM	**Concluding remarks**	Jones and Gries

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Environmental Information Management 2011

Conference Room Layout
Fess Parker Doubletree Hotel

Conference room layout maps for the Lobby Level and Third Floor of the Fess Parker Doubletree Hotel.

Lobby Level rooms include: Anacapa Patio, San Rafael Patio, Entrance, Santa Ynez Patio, Santa Barbara Ballroom (Anacapa, Santa Cruz, Santa Rosa, San Miguel — each W/E), Santa Barbara Ballroom Foyer, Grand Ballroom Foyer, Grand Ballroom (North, Sierra Madre, South, San Rafael, Santa Ynez), Service Corridor, RR, Entrance, Front Desk, Lobby, Cafe Los Arcos, Vineyard, Offices, Elevator, Barra Los Arcos, Los Olivos, Plaza Del Sol, Vineyard Terrace, Rodney's, RR, Reagan Room.

Third Floor rooms include: Elevator, Fiesta, Suites.