

Welcome

to the



Ninth GO-ESSP Workshop





Ninth GO-ESSP Workshop Agenda

Workshop Facilities

Internet

Wireless Internet access is provided to workshop attendees. Please connect to the following Renaissance Hotel wireless network for workshop access:

“attwifi_meeting”

After agreeing to the terms and conditions of use, you will be connected to the hotel wireless.

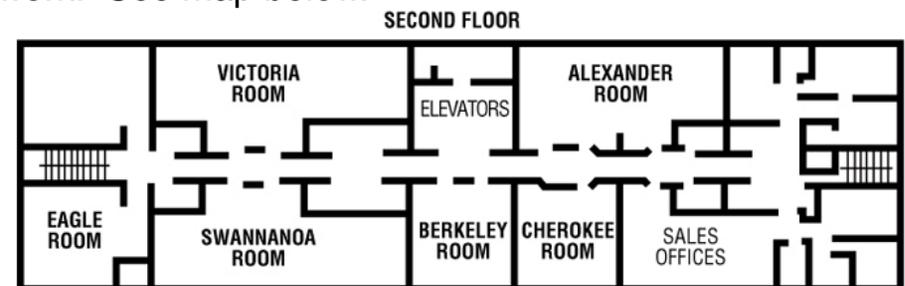
ESGF On-Line Note-Taking

Public Note-Taking Site: <http://go-essp.titanpad.com/asheville>

Password: **go-essp**

Breakout Room

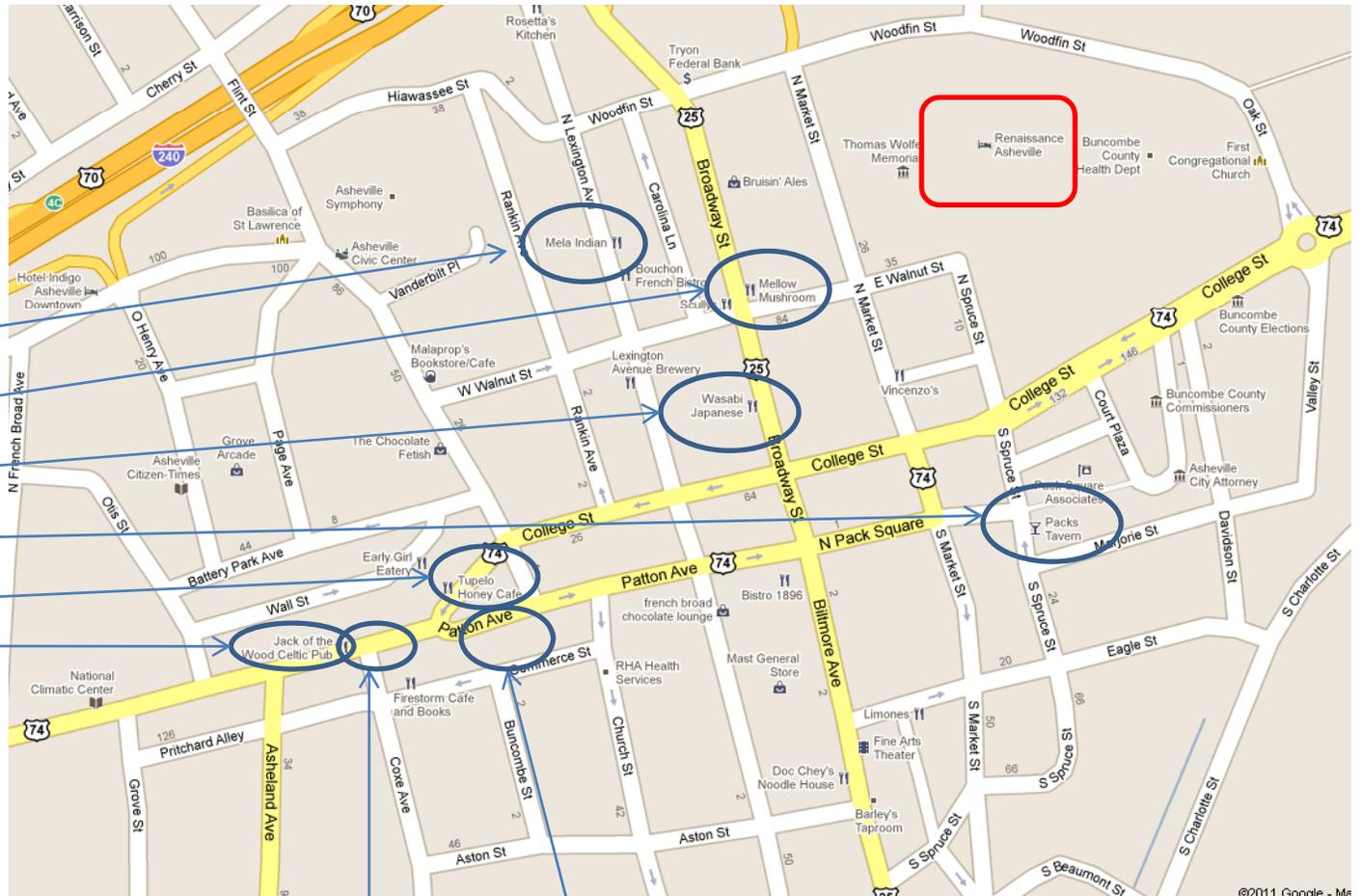
The “Victoria Room” is available on the second floor of the Renaissance, Tuesday through Thursday, from 8:00AM to 5:30PM for workshop attendees to meet or work. See map below.





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Workshop Lunch Options (Staff Picks)



- Mela
- Mellow Mushroom
- Wasabi
- Pack's Tavern
- Tupelo Honey
- Jack of the Wood

- Jerusalem Garden
- Katmandu





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Session One: Federation, Interoperability, and Security

Tuesday, May 10th

08:30 – 09:00	Arrival time	Glenn Rutledge (Host)	30 min
09:00 – 09:05	Welcome and logistics	Glenn Rutledge, (NCDC)	5 min
09:05 – 09:10	Opening remarks	Scott Hausman, Director (acting) (NCDC)	5 min
09:10 – 09:25	The Earth System Grid Federation: building a software framework of open source, modular components for analysis of large distributed scientific data	Luca Cinquini (NASA), <i>et al.</i>	15 min
09:30 – 09:45	ESGF: How to build an elastic distributed system over "Big Data"	Gavin Bell (LLNL)	15 min
09:50 – 10:05	The Earth System Grid Federation User Interface	Feiyi Wang, (ORNL), Galen Shipman, and John Harney	15 min
10:10 – 10:25	The ESGF Gateway	Nathan Wilhelmi (NCAR), <i>et al.</i>	15 min
10:30 – 10:45	BREAK		15 min
10:50 – 11:05	Security Mash-up with the MashMyData Project: Delegation and Workflows with OPeNDAP and OGC Based Services	Philip Kershaw (BADC), <i>et al.</i>	15 min
11:10 – 11:25	Using OpenID/OAuth to access Federated Data Services	Benno Blumenthal (IRI)	15 min





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Session Two: Data Preservation, Data Curation, and Long-Term Access

Tuesday, May 10th

11:30 – 11:45	Data Management and digital Preservation for Arctic Science: CADIS and Chronopolis	Eric Nienhouse (NCAR) <i>et al.</i>	15 min
11:50 – 12:05	FREMetar: Efficient and flexible metadata re-writing	Kyle Olivo (GFDL)	15 min
12:10 – 12:25	Updates on Unidata Technologies for Data Access	Russ Rew (Unidata)	15 min
12:30 – 13:40	LUNCH		70 min
13:45 – 14:00	Production of a search and browse interface for an environmental science thesaurus	Oliver Clements (BADC)	15 min
14:05 – 14:20	Next generation data services: C3-INAD goes ESGF	Stephan Kindermann (DKRZ)	15 min
14:25 – 14:40	Maximising the utility of OPeNDAP datasets through the NetCDF4 API	Stephen Pascoe, Science and Technology Facilities Council UK	15 min
14:45 – 15:00	BREAK		15 min





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Session Three: Serving Data for Environmental Sciences

Tuesday, May 10th

15:00 – 15:15	Metadata Standards for <i>in-situ</i> Observational datasets	Giri Palanisamy (ORNL) <i>et al.</i>	15 min
15:20 – 15:35	NOAA/GFDL- Model Development Database Interface (MDBI)	Aparna Radhakrishnan (GFDL)	15 min
15:40 – 15:55	Continuously Enhancing Usability of Remote Sensing Data for Climate Models	Jianfu Pan (NASA)	15 min
16:00 – 16:15	Paleoclimate Modelling Intercomparison Project Phase 3	Jean-Yves Peterschmitt, National Center for Scientific Research, FR	15 min
16:20- 16:35	Leveraging the Earth System Grid for Integrated Regional Earth System Modeling (iRESM) Research	Eric Stephan (DOE/PNL)	15 min
16:40 – 16:45	Closing comments and adjourn Day 1		5 min
18:30 – 21:00	Workshop Dinner: Self-organizing		2-3 hrs





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Session Four: Next-Generation Data Services

Wednesday, May 11th

08:30 – 09:00	Arrival Time	Glenn Rutledge (Host)	30 min
09:00 – 09:15	Parallel Analysis of GeOscience Data: Status and Future	Jeff Daily (DOE/PNL)	15 min
09:20 – 09:35	A Scientific Workspace environment for collaborative analysis of climate data.	Luca Cinquini (NASA/JPL)	15 min
09:40 – 09:55	ExArch: Climate analytics on distributed exascale data archives	Martin Jukes, Science and Technology Facilities Council UK	15 min
10:00 – 10:15	Exascale Climate data analysis From the INSIDE out	Frederic Laliberte, University of Toronto	15 min
10:20 – 10:30	BREAK		10 min
10:30 – 10:45	Globus Online: A hosted data transfer solution for climate scientists	Rachana Ananthakrishnan (DOE/ANL)	15 min
10:50 – 11:05	Policy-based Data Management	Reagan W. Moore (RENCI)	15 min
11:10 – 11:25	Fast parallel grid remapping for unstructured and structured grids	Robert Oehmke	15 min
11:30 – 11:45	NOMADS and the National Climate Model Portal (NCMP): Science and Data Management Services	Jay Hnilo (NCDC, CICS-NC)	15 min
11:50 – 12:05	The Unified Access Framework (a pretentious name for a simple idea)	Steve Hankin (NOAA/PMEL)	15 min
12:10 – 12:25	The Unican Downscaling Portal	Antonio S. Cofiño (University of Cantabria, Spain)	15 min
12:30 – 13:40	LUNCH		70 min





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Session Five: Areas of Major CF Enhancements

Wednesday, May 11th

13:45 - 14:00	The US-IOOS Modeling Testbed Cyber- infrastructure: Unstructured Grid Standards and Standards-Based Tools for Analysis of Ocean, Atmosphere & Climate Model Data	Rich Signell (USGS)	15 min
14:05 - 14:20	CF standard names: recent developments and a new vocabulary editor	Alison Pamment (BADC)	15 min
14:25 - 14:40	Mapping CF Standard Names to the SWEET Ontology	Rob Raskin (NASA/JPL)	15 min
14:45 - 15:00	Progress on LibCF including support for Gridspec	Alexander Pletzer, Ed Hartnett (Unidata)	15 min





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Session Six: Presentation, Demonstration and Discussion of Existing Services
 Wednesday, May 11th

15:00 - 15:15	Demo Overviews	Rutledge (Host)	
	OPeNDAP	James Gallagher	2-3 min
	ESG Security w/ IDL	Philip Kershaw	2 -3 min
	The New GrADS Interface for GIS Data Formats	Jennifer Adams, Brian Doty (COLA)	2-3 min
	Visualization Gallery (vizGal)	Roland Schweitzer, Weathertop Consulting, LLC	2-3 min
	The Weather and Climate Toolkit	Steve Ansari (NCDC)	2-3 min
	Implementation of CMIP5 Metadata in the ESG Gateway	Sylvia Murphy (CIRES), <i>et al.</i>	2-3 min
	A Scientific Workspace	Luca Cinquini (NOAA/JPL)	2-3 min
	Globus On-Line	Rachana Ananthakrishnan (DOE/ANL)	2-3 min
	UC downscaling inter-comparison Project	Antonio S. Cofiño (University of Cantabria, Spain)	2-3 min
	iRODS	Reagan Moore (RENCI)	2-3 min





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Session Seven: GO-ESSP Demonstrations

Wednesday, May 11th

15:15 – 17:00	Live Demonstrations of Tools and Software	105 min
17:00 – 17:30	Open Discussion: Feedback from Demos & Collaboration Opportunities	30 min
17:30 – 17:35	Adjourn 2011 GO-ESSP Workshop	5 min

The ENSEMBLES downscaling portal
<https://www.meteo.unican.es/ensembles>
Please don't break it!!!!

