

USGS Citizen Science Workshop Agenda

All times listed are MDT (Mountain)

Meeting location: Room S29, Ice Core Auditorium, Denver Federal Center, Building 810 (DFC map)

Remote participation:

- **WebEx connection: <http://usgs.webex.com> - Meeting Name (30) CDI Citizen Science Workshop**
- **Teleconference: (703) 648-4848 or (855) 547-8255 Code: 58632#**

Workshop recordings can be viewed using WebEx Player software unless otherwise noted.

Windows Media Player files (WMV) should be saved and played locally. Right click link - Save As - then open with Windows Media Player.

Date	Time	Topic and description	Presenter	Session Chair
Day 1 - Sept 11		<u>Opening/Welcome</u> Brief Logistics, welcome!		Megan Hines & Abby Benson, co-chairs
	8:00 am	Introductions and Logistics	Megan Hines, University of Wisconsin Madison	
	8:00 am - 8:05 am	Welcome to Denver	Randy Updike, USGS Regional Executive for the Rocky Mountain Area	
	8:05 am - 8:20 am	Welcome the CDI Citizen Science Workshop!	Linda Gundersen, Director, Office of Science Quality and Integrity	Recording (requires Windows Media Player or WMV compatible player)
	8:20 am - 8:40 am	Exploring the Landscape of Citizen Science and Public Participation in Scientific Research	Jennifer Shirk, Cornell Lab of Ornithology (WebEx)	
		<u>Citizen Science Policy and Challenges</u> How do USGS & DOI policy affect our citizen science projects today? What do we need to know to comply to these policies? What are the challenges USGS scientists face when setting up citizen science projects? This session will deal with compelling policy issues and other challenges related to app development, the USGS volunteer program, and management of personally identifiable information (PII).		Annie Simpson, session chair Notes
	8:40 am - 8:45 am	Introduction	Annie Simpson, USGS Biologist & Information Scientist	
	8:45 am - 9:00 am	Ensuring Legal and Policy Compliant Citizen Science App Development	Lorna Schmid, USGS Infrastructure & Operations Team Lead	Recording (requires Windows Media Player or WMV compatible player)

9:00 am - 9:15 am	Researcher Point of View: iPlover: A Smartphone Application to Characterize Piping Plover Nest Locations	Rob Thieler, USGS Research Scientist	Recording (requires Windows Media Player or WMV compatible player)
9:15 am - 9:30 am	USGS Volunteer Program and Handbook	Cheryl Smith, USGS Volunteer Program Coordinator (WebEx)	Recording (requires Windows Media Player or WMV compatible player)
9:30 am - 9:45 am	Researcher Point of View: How are USGS Citizen Projects Impacted by Government Policies?	Eric Wolf and Barbara Poore, USGS Center for Coastal and Watershed Studies	Recording (requires Windows Media Player or WMV compatible player)
9:45 am - 10:15am	BREAK		
10:15 am - 10:20 am	Three Laws Impacting Science Activities	Shari Baloch and David Newman - USGS Office of Enterprise Information (WebEx)	Recording (requires Windows Media Player or WMV compatible player)
10:20 am - 10:25 am	Researcher Point of View: USGS Tweet Earthquake Dispatch (@USGSted): Using Twitter for Earthquake Detection and Characterization	Paul Earle	Recording (requires Windows Media Player or WMV compatible player)
10:25 am - 10:50 am	Welcome to the CDI Citizen Science Workshop	Kevin Gallagher, Associate Director, Core Science Systems	Recording (requires Windows Media Player or WMV compatible player)
10:50 am - 11:00 am	Researcher Point of View - An Overview of the USGS Nonindigenous Aquatic Species (NAS) Online Sighting Report System and Lessons Learned from Mobile App Development	Matt Cannister, USGS Biological Technician	Recording (requires Windows Media Player or WMV compatible player)

	11:00 am - 12:00 pm	Structured Discussion	All	Recording (requires Windows Media Player or WMV compatible player)
	12:00 pm - 1:00 pm	LUNCH		
		<u>Engaging the Public in Scientific Research</u> This session focuses on how and why citizens participate in scientific projects that range from using citizens as passive sensors to citizens as interpreters, data collectors and equal collaborators. What motivates citizens to participate? How can we harness these motivations for our mutual benefit? What are effective techniques to engage, encourage, and retain volunteers? Are rewards effective? If so what kinds of rewards? What different types of organizational structures, protocols, and user materials have proven effective? How can volunteer-dependent projects sustain themselves?		Barbara Poore & Dave Govoni, co-chairs Notes Recording
	1:00 pm - 1:05 pm	Introduction	Barbara Poore, USGS Center for Coastal and Watershed Studies	
	1:05 pm - 1:25 pm	Engaging the Public in Scientific Research Perspectives from the Volunteer Monitoring Community	Barb Horn, State of Colorado (WebEx)	(00:03:52 - 00:25:26)
	1:25 pm - 1:45 pm	The Evolving Landscape of Citizen Science: Typologies and Implications of Project Design	Andrea Wiggins, Cornell University Lab of Ornithology/DataONE	(00:25:30 - 00:41:21)
	1:45 pm - 2:05 pm	CitSci.org: Cyberinfrastructure Support for Grassroots Conservation, Citizen Science, and Community-based Monitoring	Greg Newman, Colorado State University	(00:43:28 - 01:03:31)
	2:05 pm - 2:20 pm	BREAK		
	2:20 pm - 2:40 pm	Volunteer Map Data Collection - The National Map Corps	Greg Matthews, USGS National Map Corps	(01:05:00 - 01:25:26)
	2:40 pm - 3:00 pm	The Alaska Volcano Observatory Citizen Network Ash Collection and Observation Program	Kristi Wallace, USGS Alaska Volcano Observatory	(01:26:00 - 1:45:26)
	3:00 pm - 4:00 pm	Structured Discussion	All	(01:45:50 - 02:43:25)
Day 2 - Sept 12		<u>Data collection and management</u> The life cycle of Citizen Science data begins with an observation, the observation becomes a digital record, and ultimately it is combined with other observations and used for analytics. This session will focus on general principles, best practices, and issues related to planning for, acquiring, quality-assuring, certifying, documenting, managing, and sharing the data submitted by the citizen scientist workforce.		Steve Tessler & Megan Hines & Derek Masaki Notes Recording
	8:00 am - 8:10 am	Day 1 Summary and Logistics, Introduction to Data Collection and Management Session	Steve Tessler, USGS Ecologist and Data Manager	
	8:10 am - 8:30 am	Data Management for Citizen Science: Challenges and Opportunities for USGS Leadership	Andrea Wiggins, Cornell University Lab of Ornithology/DataONE	(00:09:33 - 00:28:38)

8:30 am - 8:50 am	Public Participation in the Digitization of Biodiversity Collections	Austin Mast, Florida State University, iDigBio	(00:29:36 - 00:50:40)
8:50 am - 9:10 am	Social.Water and CrowdHydrology	Mike Fiene, USGS Wisconsin Water Science Center	(00:51:36 - 01:12:26)
9:10 am - 9:40 am	BREAK		
9:40 am - 10:00 am	Framework for Public Participation GIS: Options for Federal Agencies	Tim Kern, USGS Fort Collins Science Center	(01:13:42 - 01:33:46)
10:00 am - 10:20 am	Vision for Data Management in Support of Future Science	Derek Masaki, USGS	(01:35:45 - 01:48:45)
10:20 am - 11:20 am	Structured Discussion	All	(01:49:19 - 03:03:05)
11:20 am - 12:30 pm	LUNCH		
	<u>Technology/Tools</u> This session will provide an overview of tools and infrastructure available to use in support of citizen science projects. The tools discussed are largely available for any other group or project to adopt and adapt to their local needs. Leveraging already developed and tested technologies can help to standardize information across many datasets, further enabling data sharing and lessening lag time from project conception to deployment.		Derek Masaki Notes Recording
12:30 pm - 12:45 pm	Introduction	Derek Masaki, USGS	
12:45 pm - 1:05 pm	The Encyclopedia of Life as a Source of Materials and a Venue for Showing off Your Work	Jen Hammock Encyclopedia of Life (WebEx)	(00:01:33 - 00:27:35)
1:05 pm - 1:25 pm	The North American Bird Phenology Program: Reviving a Historic Program in the Digital Age	Jessica Zelt USGS Patuxent	(00:28:54 - 00:58:08)
1:25 pm - 1:45 pm	Mobile Application use in the 2012 Baltimore Cricket Crawl	Derek Masaki, Sam Droege USGS	(00:58:37 - 01:18:30)
1:45 pm - 2:20 pm	BREAK		
2:20 pm - 2:40 pm	Discover Life- Networking Study Sites to Predict the Impact of Climate Change and Other Factors on Species and Their Interactions	John Pickering, Discover Life	(01:19:11 - 01:50:46)
2:40 pm - 3:00 pm	Women in Technology/STEMworks- Mobilizing K12 Student Scientists	Isla Young, Maui Economic Development Board	(01:51:35 - 02:24:30)
3:00 pm - 4:00 pm	Structured Discussion	All	(02:25:18 - 03:16:18)
6:00 pm	Dinner out		

Attachments



- 2012-Sep-CitizenScienceWorkshop-LORNA.pptx
9 11, 2012 by Holl, Sally L.
- (30) CDI Citizen Science Workshop-20120911 1852-2.arf
9 13, 2012 by Benson, Abigail L.
- (30) CDI Citizen Science Workshop-20120912 1350-1.arf
9 13, 2012 by Benson, Abigail L.
- (30) CDI Citizen Science Workshop-20120912 1829-1.arf
9 13, 2012 by Benson, Abigail L.
- An Overview of the USGS Nonindigenous Aquatic Species.pptx
Matt Cannister presents on the Nonindigenous Aquatic Species system
9 19, 2012 by Hines, Megan K.
- Linda Gundersen comments.wmv
Linda Gundersen's opening comments to the group
9 25, 2012 by Hines, Megan K.
- USGS talk for web SHIRK.pptx
Jennifer Shirk presentation
10 02, 2012 by Hines, Megan K.
- Lorna Schmid.wmv
Lorna Schmid's Presentation Recording
10 02, 2012 by Hines, Megan K.
- Rob Thieler.wmv
Rob Thieler Recording
10 02, 2012 by Hines, Megan K.
- Cheryl Smith.wmv
Cheryl Smith Recording
10 02, 2012 by Hines, Megan K.
- Eric Wolf.wmv
Eric Wolf Recording
10 02, 2012 by Hines, Megan K.
- David Newman and Shari Baloch.wmv
David Newman and Shari Baloch Recording
10 02, 2012 by Hines, Megan K.
- Paul Earle - Sophia Liu.wmv
Paul Earle Recording
10 02, 2012 by Hines, Megan K.
- Kevin Gallagher.wmv
Kevin Gallagher Recording
10 02, 2012 by Hines, Megan K.
- Matt Cannister.wmv
Matt Cannister Recording
10 02, 2012 by Hines, Megan K.
- Structured Discussion Policy and Challenges.wmv
Structured Discussion Recording
10 02, 2012 by Hines, Megan K.
- Newman_1_00.ppt
Greg Newman PowerPoint
10 12, 2012 by Hines, Megan K.
- CSWG-Policy-Poore-Wolf.pptx
Wolf Poore PowerPoint
10 12, 2012 by Hines, Megan K.
- TNMCorpsPresentationCitizenScience_Shared.pptx
Greg Matthews PowerPoint
10 12, 2012 by Hines, Megan K.
- 20120912usgs.pptx
Pickering PowerPoint
10 12, 2012 by Hines, Megan K.
- PPGIS-CDI-CitSciWorkshop.pdf
Tim Kern PowerPoint
10 12, 2012 by Hines, Megan K.
- CSW_09112012_Wallace.pptx
Kristi Wallace PowerPoint
10 12, 2012 by Hines, Megan K.

- ›  CS Workshop - Data Session Intro 2012-09-12a.pptx
Data Session Intro 10 12, 2012 by Hines, Megan K.

- ›  CDI Citizen Science - Tools Tech Intro.pptx
Tech Tools Session Intro 10 12, 2012 by Hines, Megan K.

- ›  STEMworks_USGS_2012.pptx
Isla Young PowerPoint 10 15, 2012 by Hines, Megan K.

- ›  FIENEN.social.water.pptx.pdf
Mike Fienen PowerPoint as PDF 10 15, 2012 by Hines, Megan K.

- ›  Zelt_USGS_Citizen_Science_Workshop_2012_FINAL.pdf
Jessica Zelt BPP PowerPoint as PDF 10 15, 2012 by Hines, Megan K.

- ›  Masaki - CDI Citizen Science - Data Management 2010.pptx
Derek Data Management PowerPoint 11 29, 2012 by Hines, Megan K.

- ›  Masaki - CDI Citizen Science Cricket Crawl - DM.pptx
Derek Masaki Cricket Crawl PowerPoint 11 29, 2012 by Hines, Megan K.

- ›  PRA.Privacy.FOIA Citizen Science Presentation 9-10-2012 FINAL.pdf
Baloch & Newman PowerPoint as PDF 12 06, 2012 by Govoni, David L.

