

Draft Agenda - 4 June 2012

Knowledge Systems for Sustainable Landscape Management

KSS General Partnership Meeting

11 June 2012

at

The International Food Policy Research Institute
2033 K St. NW Suite 400, Washington DC 20006

hosted by the International Food Policy Research Institute, the U.S. Agency for International Development, DOE Oak Ridge National Laboratory and the University of Wisconsin-Madison

Meeting deliverables:

We will be reviewing progress of the written documents from the PNNL/UMD KSS Partnership meeting held in February, 2012 to discuss the trajectory to move them forward. We will review and improve the list of potential geographic cases that have been assembled since the PNNL/UMD meeting. We will review the case framework and the concept that there may be a standardized or partially standardized framework by which we may track the consequences of interventions in landscapes with respect to more holistic suites of outcomes in human and environmental dimensions.

Our colleagues from Oak Ridge National Lab will update us on the Environment by Design Initiative and its relevance for the KSS Partnership, and we will introduce and review existing domestic “cases.”

We will welcome colleagues from the UK National Environment Research Council, Australia’s National Research Organization, CSIRO and the CGIAR and prepare for our more targeted meeting to be held the following two days focused specifically on international cases.

We will explore the potential for leveraging global investments in big data regarding Earth observations and the human condition toward the challenges of food security, and nutritional health, social and political stability. We will discuss with CGIAR colleagues the imperative of expanded and modernized information management, realizing the implications of the CG Consortium structure.

Special thanks to Dr. David LeZaks, Fatima Zaidi and Maria Theresa Tenorio for their help in organizing this meeting, and IFPRI and ORNL for financial support..

June 11, 2012

Time	Activity	Lead
11:00-11:30	<p>Welcome & Introductions</p> <p>Review of agenda, meeting goals & deliverables</p>	Stan Wood and Molly Jahn Christine Negra
11:30-12:30	<p>Review of output from 21-22 February KSS Partnership meeting</p> <ul style="list-style-type: none"> - KSS Partnership Principles Document - Short paper targeted at PNAS Perspectives - KSS white paper - Status of Case Framework (to be discussed in detail later) - Update on KSS Industry Roundtable and potential alignment with UK Environmental Virtual Observatory (EVO) Industry Group 	Tom Richard Molly Jahn Greg Wilson & David LeZaks Deb Niemeier Molly Jahn
12:30-1:15	<p>Lunch hosted by IFPRI: Presentation: Update on KSS and ORNL's Environment by Design</p> <p>Discussion: KSS, ORNL's links with NASA and GEO GLAM</p>	Gary Jacobs & "ORNL KSS Dimension Leads" Brad Doorn
1:15-1:45	<p>The UK's Environmental Virtual Observatory</p>	Andrew Impey
1:45-3:30	<p>Review of KSS Partnership: strategic goals, partners and opportunities</p> <ul style="list-style-type: none"> • <i>Introduction & update from KSS Dimension Leads—Each lead will provide a brief reflection on our partnership's trajectory and specific updates on our progress and major related initiatives</i> • Data, information and knowledge dimension; updates on major related initiatives <ul style="list-style-type: none"> ▪ EarthCube ▪ Geoshare & HubZero ▪ U.S. GEO ▪ Welcome to our CSIRO partners! Australia's National Plan for Environmental Information ▪ The potential intersection of project monitoring and evaluation (M&E) and data management & analytics • Modeling Updates: Model Web/GEOSS; AgMIP • Decision Sciences <ul style="list-style-type: none"> ▪ Possible NSF-sponsored workshop at UC Davis ▪ Department of Interior's Landscape Decision Tool • Cyberinfrastructure—perspectives from Carleen Maitland, PSU update on Carla Gomes' NSF Sustainability Research Network pending proposal 	Tom Richard Chris Duffy Nelson Villoria Len Hirsch Bronwyn Harch Stanley Wood Peter Thornton & Dennis Ojima Deb Niemeier Larry Sugarbaker Carleen Maitland Molly Jahn

3:30-3:45	Break	
3:45-4:15	KSS cases and the need for a “case framework” and ways to track cases in a portfolio	Deb Niemeier
4:15-4:30	Quick enumeration of existing U.S. KSS “cases” <ul style="list-style-type: none"> ▪ Chesapeake Bay Watershed • Menominee Forest (ORNL, SI, & UW Madison) • San Joachin Valley • Snake River Valley • Western Kansas—Ogalala Aquifer • Vonore, TN -- switchgrass/energy 	Lorne Leonard, Doug Miller & Tom Richard Molly Jahn Deb Niemeier Molly Jahn Chuck Rice Gary Jacobs
4:30-5:00	<ul style="list-style-type: none"> • <i>Welcome to CG partners</i> • Potential placement of our partnership in existing CGIAR Research Programs (CRPs); Possible relationships between KSS capacities and CG-led efforts • Can we nominate volunteers from the CG to hold working titles as “Dimension Leads”? 	Stanley Wood
5:00-5:15	<p>Updates on related meetings and initiatives</p> <p>For each event, we will organize a KSS team and specific next steps:</p> <ul style="list-style-type: none"> ○ KSS Working Group meeting at “Ecosystem Services Come of Age: Linking Science, Policy and Participation for Sustainable Human Wellbeing” at Portland, OR 7/31-8/4/12 <i>Opportunity to organize U.S. cases into portfolio</i> ○ Invitation to develop a Santa Fe Institute workshop ○ Possible UC Davis Decision Sciences Dimension workshop (Should we target similar opportunities for other dimensions?) ○ Invitation to the Tallberg Forum 2013; Update from Deb on KSS presence at the 2012 Forum ○ Next KSS Partnership Meeting in the fall at ORNL 	All
5:15-5:45	<p>Next steps—</p> <p>Finalize specific commitments and next steps</p> <p>Where do we need funding? Staffing?</p> <p>Meeting conclusion</p>	Tom Richard, Gary Jacobs, Deb Niemeier and Molly Jahn
5:45-7:30	Reception hosted by IFPRI	

Lexicon of Acronyms

Acronym	Name	Website
AgMIP	The Agricultural Model Intercomparison and Improvement Project	http://www.agmip.org/
Agree	-	http://www.foodandagpolicy.org/
BFS	USAID Bureau for Food Security	-
BISA	The Borlaug Institute for South Asia	http://tinyurl.com/cx6xdmy
CBW	The Chesapeake Bay Watershed	
CCAFS	Climate Change, Agriculture and Food Security (CGIAR research program)	http://ccaafs.cgiar.org/
CGIAR / CG	originally the Consultative Group on International Agricultural Research, now the Consortium of International Agricultural Research Centers	http://www.cgiar.org/
CIMMYT	International Maize and Wheat Improvement Center	http://www.cimmyt.org/
CIMMYT	Centro Internacional de Mejoramiento de Maíz y Trigo (CGIAR center)	http://www.cimmyt.org/
CRP	CGIAR Research Programs	http://www.cgiarfund.org/cgiarfund/research_portfolio
CSIRO	Commonwealth Scientific and Industrial Research Organisation (Australia)	http://www.csiro.au/
CSISA	Cereal System Initiative South Asia	https://sites.google.com/site/csisaportal/
DoD	United States Department of Defense	http://www.defense.gov/
DOE	United States Department of Energy	http://energy.gov/
DOI	United States Department of the Interior	http://www.doi.gov
EarthCube	-	http://earthcube.ning.com/
EVO	Environmental Virtual Observatory	http://www.evo-uk.org/
GEO	Group on Earth Observations	http://www.earthobservations.org/index.shtml
GEO-GLAM	GEO Global Agriculture Monitoring initiative	-
Geoshare	-	http://www.geoshareproject.org/
GEOSS	The Global Earth Observation System of Systems	http://www.earthobservations.org/geoss.shtml
HubZero	-	http://hubzero.org/
IC	Intelligence community	-
ICRAF	World Agroforestry Centre (CGIAR center)	http://www.worldagroforestrycentre.org/
IFPRI	International Food Policy Research Institute	http://www.ifpri.org/
ILRI	International Livestock Research Institute (CGIAR center)	http://www.ilri.org/
IRRI	International Rice Research Institute (CGIAR center)	http://irri.org/
KAUST	King Abdullah University of Science and Technology	http://www.kaust.edu.sa/
M&E	Monitoring and evaluation	-
MACE	Multi Agency Collaboration Environment	http://www.macefusion.com/
NASA	National Aeronautics and Space Administration (US)	http://www.nasa.gov/
NCD	Non-communicable disease	-
NERC	Natural Environment Research Council (UK)	http://www.nerc.ac.uk

NOAA	National Oceanic and Atmospheric Administration	http://www.noaa.gov/
ODNI	Office of the Director of National Intelligence	http://www.dni.gov/
ORNL	Oak Ridge National Laboratory	http://www.ornl.gov/
PNNL	Pacific Northwest National Laboratory	http://www.pnl.gov/
PSU	The Pennsylvania State University	http://www.psu.edu/
USAID	United States Agency for International Development	http://www.usaid.gov/
USDA	United States Department of Agriculture	http://www.usda.gov
USGS	United States Geological Survey	http://www.usgs.gov/
WB	The World Bank	http://www.worldbank.org/
PM-ISE	Program Manager - Information Sharing Environment	http://ise.gov/

CGIAR Research Centers	
Africa Rice Center	
Bioversity International	
CIAT	Centro Internacional de Agricultura Tropical
CIFOR	Center for International Forestry Research
CIMMYT	Centro Internacional de Mejoramiento de Maiz y Trigo
CIP	Centro Internacional de la Papa
ICARDA	International Center for Agricultural Research in the Dry Areas
ICRISAT	International Crops Research Institute for the Semi Arid Tropics
IFPRI	International Food Policy Research Institute
IITA	International Institute of Tropical Agriculture
ILRI	International Livestock Research Institute
IRRI	International Rice Research Institute
IWMI	International Water Management Institute
ICRAF	World Agroforestry Centre
WorldFish Center	
CGIAR Research Programs (CRPs)	http://consortium.cgiar.org/our-strategic-research-framework/cgiar-research-programs-crps/
CRP1.1	Dryland Systems
CRP1.2	Humid Tropics Systems
CRP1.3	Aquatic Agricultural Systems
CRP2	Policies, Institutions and Markets
CRP3.1	Wheat
CRP3.2	Maize
CRP3.3	Rice
CRP3.4	Roots, Tubers and Bananas
CRP3.5	Grain Legumes
CRP3.6	Dryland Cereals
CRP3.7	Livestock and Fish
CRP4	Nutrition and Health
CRP5	Water, Land and Ecosystems
CRP6	Forests, Trees and Agroforestry
CRP7	Climate Change, Agriculture and Food Security