

NED



N O R T H W E S T
E N V I R O N M E N T A L
D A T A - N E T W O R K

Executive Meeting

December 7th 2005

9:30-12:30

Northwest Power and
Conservation Council

Stewart Toshach & Peter Paquet

NED Project Coordinators



Introductions

- This is the first NED Executive Meeting
- Agencies and entities in NED are represented by Steering Committee members, appointed by the Executive signatories of the NED MOU
- The Steering Committee is required to report to the signatories
- NED Executive Co-Chairs are Dr Tom Karier of the NPCC and Dr John Stein of the NWFSC–NOAAF



Agenda

- 1) Introductions (15 minutes)
- 2) Review of Progress (15 minutes)
- 3) Review of Membership and Participation (15 minutes)
- 4) Review of May 25-26 Workshop Findings. (30 minutes)
- Break (10 minutes)
- 5) Follow Up - Needed Executive Action (55 minutes)
- 6) Demonstration of NED Pilot Portal (20 minutes)
- 7) Demonstration of Protocol Manager (John Day Data Dictionary) (20 minutes)



Progress : Steering Committee

- Monthly meetings with 7 to 18 participants
- Completed NED MOU in December 2004
- Outreach to potential signatories
- Developed strategy
- Set up work groups



Progress : Steering Committee

- Organized a 2 day Regional Data Discovery and Sharing Workshop with: PNW-RGIC, PNW-WQX, PNAMP, NWHI, StreamNet, State, Provincial and Tribal entities and others.
- Attended by 75 data managers, GIS and some data collection specialists.
- Consensus that improved data discovery and sharing across geographic and jurisdictional boundaries is needed to answer management and scientific questions.
- Developed White Papers



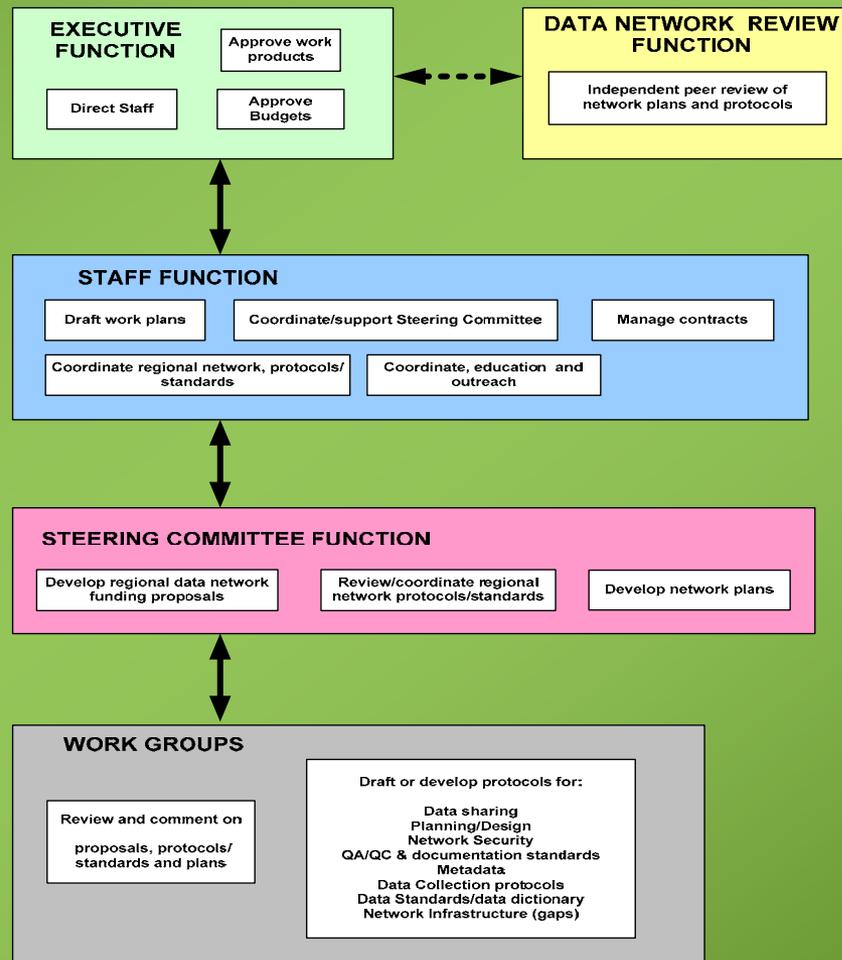
Progress: Steering Committee

- **Completed White Papers (See Handout)**
 - Executive Summary (Nancy Tosta – Ross and Associates)
 - Business Needs Case: (Burney Hill - USEPA)
 - Communications & Marketing: (Peter Paquet - NPCC & Lenora Oftedahl - CRITFC)
 - Governance: (Nancy Tubbs - USGS & Stewart Toshach - NED)
 - Financing: (Joy Paulus -WA IAC & Jennifer Bayer - PNAMP)
 - Data Content: (Mike Babcock -Yakama Tribe & Stewart Toshach - NED)
 - Technical Architecture: (David Skea – BC Ministry of Agriculture and Lands & Mike Beaty – BRec)



Progress: Steering Committee

- Model: **Governance Structure for Regional Environmental Data Network: for Fish, Water and Upland Habitat**





Progress: Steering Committee

- Developed outreach presentations for regional meetings and gatherings
- Supported the use of common standards for sharing and exchanging data e.g. BPA, PCSRF, Council's Watershed Program
- Supported Pilot NED Portal
- Identified options for funding
- Identified/levered regional opportunities to work with existing groups, e.g. hosting PNAMP data meetings, working with PNW-RGIC



Progress: Temporal & Spatial Work Group : Lead Joy Paulus, WA IAC

- Drafted Best Practices for Incorporating Spatial and Temporal Data For Tracking Environmental Project and Sampling Efforts Into Non-Spatial Databases (see handout)
- Best practices help to support standardized and consistent spatial and temporal data collection and reporting
- Agencies and entities will need to decide on deployment of best practices



Technology for Data Discovery and Sharing Work Group (Lead: Tom Pansky, BPA)

- Developed plan for a regional pilot portal based on SAIC recommendations
- Deploying a pilot portal to improve data discovery and sharing and data stewardship
- Demo later in this meeting



Salmonid Monitoring and Research Data Work Group. (Lead: Stewart Toshach, NED)

- Supported use of consistent protocols for data collection, project management, monitoring and evaluation etc
- Supported regional data dictionary and BoR effort to develop “Protocol Manager”
- Developed new project to identify and map Pacific Salmonid trend and abundance data collection procedures
- Supported FCRPS RM&E pilot status and trend pilot monitoring data standardization effort



Subbasin Planning Data Work Group.
(Leads: Peter Paquet – NPCCC & Phil
Roger - CRITFC.)

- Developed a solution to archive and make available Sub-basin planning data
- Organized contracts to assemble Subbasin EDT and QA/QC data and for NWHI to assemble data from the reach systems



Water Quality Data Work Group. (Lead: David Tetta, EPA)

- Developed inventory of water quality and other related databases for the Pacific Northwest
- The list is in a draft and has been distributed for input
- Facilitating and promoting the adoption of the PNWWQDE formats and protocols and technologies (DDBMS) within the region



Regional Aquatic, Riparian and Upland
Habitat Data Work Group.
(Lead: Tom O'Neil, NWHI)

- Compiling consistent data definitions for riparian and upland species for application to marine, freshwater, riparian, and upland habitats in the Pacific Northwest
- Contacted more than 90 people (representing 40 groups) to establish habitat inventory methods



Review of Membership

- Signed MOU and participating: BPA, EPA, NMFS (NWFSC NMFS (NWRO), USACE, CRITFC, State of the Salmon Consortium, NPCC, PSMFC, BCMSRM*, Washington and Oregon
- Not signed but participating: State of Idaho, USBoR, USFS, USBLM, USGS, USFWS and NWIFC
- Not signed or participating: Montana

* will resign MOU as Integrated Land Management Bureau.



Review of Membership

- Participation is uneven, e.g. some small entities are providing more input than some major federal agencies
- Mostly volunteer effort – so all contributions are valuable
- Issue: How to increase participation?
- Issue: Getting work done -- in kind versus contract efforts?



Review of May 25-26 Workshop

- Workshop findings used to fine tune the Steering Committee strategy - based on SAIC needs assessment
- Workshop recommendations and SAIC recommendations integrated into a single table: *NED Executive Decision Table* (see handout)
- Needed Executive decisions are marked in green



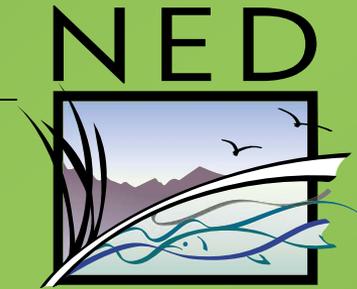
NED Steering Committee Regional Data Network Strategy

1. Build participation
2. Move beyond ad-hoc arrangements (ensure long term return on investment)
3. Work on standards, stewardship (low cost - high impact)
4. Work on data discovery and sharing (improve metadata –build a portal)
5. Work on DDBMS (distributed database management system) (connect regional databases into a coherent network)



Follow Up: Needed Executive Action

- Many reasons to be concerned about improving regional data management:
 - Account for project performance across multiple programs
 - Improve ability to provide sound scientific information to decision-makers
 - How best to “roll up” the data?
 - How best to improve and document data quality?
 - How to benefit from regional standards and protocols?
 - How to pay or support these needs?



Reminder of scope and scale of needed effort: e.g. just for Columbia Federal Salmon Funding

05-06 Columbia Salmon Funding. Source OMB "Crosscut" (\$M)			
Type	Agency	2005	Proposed 2006
Mandatory	BPA	274.6	238
Discretionary	USACE	113.3	116.6
	USDA (USFS, NRCS)	84.9	83.9
	EPA	17	17.3
	NMFS	29.7	41.2
	USDI (BLM, BoR, USFWS, BIA, USGS)	80.2	75
Totals		599.7	572



Demonstration of NED Portal



Demonstration of Protocol Manager (John Day Data Dictionary)