

SECTION B.

Goal 1: Create and deliver a landscape-level data sharing strategy and scalable toolsets

FOCUS: Address the creation of underlying data that is needed to support, build, or enhance landscape-level understanding, or data that are foundational to developing the tools that feed in at a higher level to landscape level plans.

GENERAL PRINCIPLE: Utilize open source model programming and/or data and ensure open access to the information created. Data sharing policies will guide our efforts to obtained and integrate relevant data into landscape-level modeling efforts. (Acknowledge that some sources of data will need to be controlled and may not be publically available as source data due to sensitivity of the data.)

Key: #s below Objective Number in 1st column = Workshop SC Rank Score 1 (low) -5 (high) / Years to complete (estimate made by SC during Workshop)

Objective	Action/Task	Action to be taken by:	Underway/ Initiated	Short (~18 mo)	Medium (yr 2-3)	Long (yr 4-5)
1.1 {4.05/ 1.1} Conduct AppLCC data needs assessment						
1.1.1	Assess the applicability of the neighboring LCC contract and survey instruments, as a model for identifying AppLCC data needs.	Staff				
1.1.2	Canvass and assess applicability of other LCCs efforts to identify data needs.	Staff				
1.1.3	Assess the scope of project (internal vs. contract) and make recommendation to Steering Committee.	Work Group, contractor				
1.1.4	Develop and define common language, standards and protocols (with consideration of National LCC Network efforts/integrate National LCC Data Mgmt. Group Recommendations while further defining AppLCC data collection protocols and management).	Staff (in collaboration with National LCC Data Management Work Group), Work Group				
1.1.5	Identify and analyze available data	Staff, Work				

Objective	Action/Task	Action to be taken by:	Underway/ Initiated	Short (-18 mo)	Medium (yr 2-3)	Long (yr 4-5)
	sets, methodologies and approaches relative to AppLCC landscape conservation planning. (ongoing)	Group, contractor				
1.1.6	Create a "crosswalk" report to validate identified science and data needs with member organizational priorities and AppLCC science needs portfolio.	Staff, Work Group, contractor				
1.1.7	Develop scope of work needed to address or complete a data needs assessment and initiate/fund needed work.	Staff, Work Group, contractor				
1.1.8	Complete data needs assessment for Steering Committee review.	Staff, Work Group, contractor				
1.1.9	Formalize a strategy and timeline to address gaps based on data needs assessment. Actions to address needs will be added to relevant Goal/Objective.	Steering Committee				
1.2 {3.7/2.2}						
Identify and craft "a way forward" to overcome concerns about data sharing						
1.2.1	Engage in National LCC data needs discussions/approaches to sharing data and report on how to integrate findings.	Staff, Work Group				
1.2.2	Assist efforts to assemble each SC member organizations' existing data protocols, data sharing contracts/agreements, and data sensitivity issues (see 1.2.4).	Steering Committee (with Staff support)				
1.2.3	Develop model agreements for data sharing.	Staff, Work Group, contractor				
1.2.4	Develop a concise and transparent data sharing policy (defining "Whys" and "Hows" of data sharing) and submit to full Steering Committee for approval and adoption.	Steering Committee (or Work Group)				
1.3 {3.9/2.0}						
Provide science information, tools, and data support to the existing habitat partnerships and joint ventures						
1.3.1	Identify, and annually review, the most immediate science needs to receive support. (ongoing)	Staff facilitate Work Groups (= COPs)	(SN Workshop Nov '11)			
1.3.2	Deliver findings and products (see 1.3.1) to the conservation and land use community. (ongoing)	Staff, contractor				

Objective	Action/Task	Action to be taken by:	Underway/ Initiated	Short (-18 mo)	Medium (yr 2-3)	Long (yr 4-5)
1.3.3	Create effective and ongoing linkages and introduction of new learning, knowledge, and tools between LCCs and other large landscape efforts. (ongoing)	Staff	(Web portal)			
1.3.4	Facilitate creation of new COPs, and develop and sustain ongoing dialogue, learning, and engagement between and among all COPs to share information with the broader AppLCC community. (ongoing)	Staff facilitation Work Group (= COPs)				
1.3.5	Establish and support the ongoing work of experts (Integrated Landscape Planning Team) to assess landscape level science and planning needs. (ongoing)	Staff facilitate Work Group				
1.4 {3.8/2.15} Synthesize regional information to support State Wildlife Action Plans (SWAPs) and other partner action plans						
1.4.1	Create inventory, summarize, and maintain key information from all relevant SWAPs, AppLCC Regional initiatives, resource management plans, and partnership efforts. (ongoing)	Staff, Work Group				
1.4.2	Report as a "cross-walk" analysis that identifies opportunities to better integrate Regional perspectives, the regional ranking/priorities within each State, and connect to AppLCC Region-wide ranking to help inform planning efforts. (Ranking is based on spatial and temporal land-use and climate change factors.) (ongoing)	Staff, Work Group, contractor				
1.5 {3.0/ 2.16} Actively maintain close working relationships with the DOI Climate Science Centers ensuring greater support for and understanding of AppLCC identified science needs						
1.5.1	Help identify and set the research-support priorities through active participation in Climate Science Center planning, review and selection efforts.-(ongoing)	Staff				

Objective	Action/Task	Action to be taken by:	Underway/ Initiated	Short (- 18 mo)	Medium (yr 2-3)	Long (yr 4-5)
1.5.2	Facilitate the exchange and distribution of research products to help inform the direction of landscape-level and regional initiatives (e.g., through electronic media, jointly-sponsored proposals, workshops, etc.) ensuring planning dialogue of the Cooperative Members, while supporting associated technical and scientific communities. (ongoing)	Staff				
1.5.3	Coordinating with the National LCC Network and the DOI National Climate Science Centers to facilitate the exchange and distribution of research products to find and develop the best tools for AppLCC needs. (ongoing)	Staff				
1.5.4	Participate in other national forums to establish national investments and product strategies. (ongoing)	Staff and Steering Committee				
1.5.5	Facilitate efforts to identify, and assess long-term regional monitoring data sets that would also feed into the Science Centers efforts. (ongoing)	Staff and Steering Committee				
1.5.6	Coordinating with key research units and local universities to facilitate the exchange and distribution of research products to find and develop the best tools for AppLCC needs.	Staff				
1.6 {3.7/ 2.2} Develop a management process for seamless data integration and more efficient and effective sharing of tool and data sets						
1.6.1	Maintain alignment between AppLCC and National LCC data and tool sharing practices and policies (reference also 1.2.1). (ongoing)	Staff				
1.6.2	Develop comprehensive, long-term design for: (a) ongoing cost of data; (b) data capacity; (c) data and software maintenance; and (d) data warehousing technical support.	Staff, Work Group, contractor				
1.6.3	Operationally integrate standards and protocols into all data-driven tools and protocols that ensure interoperability of models (data outputs) and predictions between communities of modelers at appropriate levels.	Staff, Work Group				
1.7						

Objective	Action/Task	Action to be taken by:	Underway/ Initiated	Short (~18 mo)	Medium (yr 2-3)	Long (yr 4-5)
{3.65 3.6} Develop and deliver a landscape-level (scalable) planning tools						
1.7.1	Assemble common set of spatially explicit data layers based on LCC-consistent standards and definitions. (ongoing)	Staff, Work Group, contractor				
1.7.2	Identify specific needs for more effective and/or standard monitoring techniques /protocols across a large spatial scale (given the topography and endemism of the AppLCC landscapes).	Staff, Work Group, contractor				
1.7.3	Develop the framework for "next-generation monitoring" and data sharing at a Landscape-level planning scale	Staff, Work Group, contractor				
1.7.4	Further refinement (1.7.3) by documenting "best practices" and "lessons learned" for data delivery which are consistent with LCC standards and definitions (e.g., data format, metadata etc.)	Staff, Work Group, contractor				