Topic	Need to display	Example and clarifications	Need			Current implementation		
			Useful ? IN PRINCIPLE, regardless of how easy it is to do currently ***[0-5]***	***Need for an improved implementation ?*** If useful in principle ***[0-5]***	***Comments***	***How do you usually display this ? (what plot, statistics ?)***	***How do you implement this ? (i.e library/software)***	***Comments***
Portfolios* *(set of polygons or pixels with typically categorical value, though could be continuous value)*	Display a portfolio							
	Compare 2 portfolios	*to highlight agreement and disagreement on recommended action* *e.g scenario planning, optimization*						
	Compare many portfolios	*to understand trends in agreement and disagreement on recommended action* *e.g optimization, land use change modeling*						
	Agreement on doing **an (any)** activity across portfolios	*Where do scenarios* agree that SOMETHING should be done ?*						
	Agreement on specific activity across portfolios	*Where do pixel agree on WHAT should be done ?*						
Spatial ES model outputs *(**continuous** data, at pixel or polygon level. e.g objective scores)*	*Understand similarity and differences between...*							
	• 2 pixel-based maps	*maps of two ES under one scenario, maps of same ES under two scenarios, etc*						
	• 2 polygon-based maps	*maps of two ES under one scenario, maps of same ES under two scenarios, etc*						
	• many pixel-based maps	*objective score maps assocaited with many points on an optimization frontier, ES maps generated under many combinations of scenarios or parametric uncertainty*						
	• many polygon-based maps	*objective score maps assocaited with many points on an optimization frontier, ES maps generated under many combinations of scenarios or parametric uncertainty*						
	Spatial prioritization of intervention(s)							
	Impact of intervention*/scenario* on **a specific ES metric**	*Where in space does a given intervention or scenario improve or worsen a specific ES metric? e.g Where does an activity contribute to objectives ?*						
	Location of **synergies** of intervention/scenario on multiple ES metrics	*Where does an intervention move multiple ES metrics (aka objectives) in the same direction ? Where are the "win-wins"?*						
	Location of **tradeoffs** of intervention/scenario on multiple ES metrics	*Where in space is a given intervention or scenario contribute to some metrics at the expense of others?*						
	Intensity of tradeoffs and synergies in space	Where are tradeoffs more or less stark?						
Non-spatial ES model outputs *(aggregation of service/objectives across a landscape)*	*Understand trade-offs and synergies between ...*							
	• 2 objectives under small number of scenarios	*Scenario comparison, multi-objective optimization*						
	• 3 objectives under small number of scenarios							
	• > 3 objectives under small number of scenarios							
	• 2 objectives under many scenarios	*Multi-objective optimization under uncertainty*						
	• 3 objectives under many scenarios							
	• > 3 objectives under many scenarios							
Scale	Consistency of spatial pattern in pixel data (at coarser resolution)	*Does spatial distribution of service provision generally align for two services, even if not at the exact pixel level?*						
	Display fine-scale data aggregated by polygons	*e.g service provided within admin unit or subwater shed*						
Uncertainty *(that wasn't covered elsewhere)*	Characterize uncertainty in...							
	• set of non-spatial input parameters							
	• spatial model inputs	*eg, given metadata or multiple input sources*						
	• spatial model output - derived from multiple runs	*spatially-explicit statistics from multiple runs. e.g: range, other measures of dispersion for a given pixel across runs*						
	• spatial model output - derived analytically or qualitatively	*eg, subjective levels of confidence from expert opinion*						
	Characterize contribution of different uncertainty sources (to output uncertainty)	*(e.g based on economic parameters as opposed to biophysical parameters)*						
Beneficiaries	Show/quantify beneficiaries impact (by subgroups)	*Who's benefiting/being impacted from an intervention ? e.g What fraction of service benefits accrue to vulnerable populations? How many people benefiting/being impacted from an intervention ?*						
	Location of beneficiaries in space	*With indication of level of benefit or number benefiting. Where are people benefiting/being impacted from an intervention ?*						
	Contrast beneficiary distribution in space with service distribution in space							
Other	Please list here any other display needs (or add rows above)							