Town Hall Meeting—West Region

Soil Survey of the Future 6/25/12

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What will be our 2020 and beyond?

Use and Knowledge of Information

Do we need a committee to address this subject? Is SSBAGG enough..do we need to collectively focus?

Rasterized Data base—where are we going with this ? How do we get there? Are we ready for our Rasterized future..what are the challenges?

Modelling effort is a disconnect..no good point datasets to test the models…make a requirement to develop a better point data set for all initial and update surveys. Validation should be an important base with point data for rasterized data

The one thing other scientists want is the point data to validate and compare.

Soil Survey offices themselves –how will we share information in the future..educational services…every office should have 25 % of their time to educational services…

What are your widgets for congress..need to switch over to new user outcomes and congress documentation..soil health..impact is not easy to report..Value-added data for avocation of more resources.

Think small projects instead of big projects??Group based projects with cooperation? Think local and act global? Bubble up university small ideas eventually..How can we be more nimble? What kind of a recommendations can we make?

What can we do to work with the stakeholders and manage risk using soil surveys? Internal processes to develop the right message and bring the message to the stakeholders?

Technology leverage for new needs..work with our partners for leverage..T&E adaptation..look for the interdisciplinary data and collaboration..more work with academics to develop collaborative forward thinking projects.

Tabular Data (Soil Properties)

How do we serve NASIS? Is this our mission now?

How about an Interpretation builder?

How do we bring new data into the soil survey? Outside the govt? Crowd sourcing techniques..How do we get all that data from others to support new interpretations?

Missing soil biology information in our data base—lots of enthusiasm—all the kinds of microorganisms—How can soil survey address soil biology—plug for the biology side for soil science

Soil biology is part of New Zealand soil system? Soil Quality survey and earthworms numbers and species…only one person in Canada—few and far between…more than microbes..there is also macrofauna?

What are the things that we need to measure? How do we measure in the office? What is important? What new pieces of technology is available?

Where can we replicate data so everyone can use it?

Urban soil surveys—can we produce new surveys and contamination in our systems?

Political football that we don't want touch—This is want the public wants—we need to deal with sticky questions—question of ownership..who asks for the test? Damages and confidentiality? How can we change to do business with contaminants? Public record information for interpretations—Who will enter data?

What are you going to do with the RACA equipment? Tool is available soon and out in the field office measured in the field—shifting the inventory to the field

Hydrologic Conductivity—a measurement that should be done in the field…

The west is not ready for contamination transport…correct and characterize miscellaneous areas and landfill…reevaluate what we can do? What are our processes in anthropogenic processes.

How do we get boots on the ground in urban areas where folks will want us to do soil evaluation..ie LA County makes weekly requests

Anthropogenic soils is information overload even in San Joaquin valley..careful that we don't reliability of our mapping..no one set standard

One soil scientist in LA County—not enough

Pre information in an APP from 1920—consultant would love to see that kind of information. There is a huge amount of work for urban systems.

Scanning printing of old surveys and block diagrams..need to exhume and turn into soil knowledge.

Hydrologic Engineering Center is in Davis..user interface models used by engineers. Where are the soil APPS and data and interpretations?

Core mission of data acquisition for modeling—how is it delivered to the end user? It is the federal government's mission to develop those delivery systems?

Dream bigger—new kind of data--

Spatial Data (Soil Maps)

Google data begs for a stepped scale discussion on our SSURGO data. Our zooms out for STATSGO and SSURGO—concepts of polygon data is a foreign subject to folks outside of room. What are our confidence levels buildt in to the zoom levels? Once we had controls based on stopping those to not use soil survey

All technology has a lifespan..major trend is streaming over phones—everything will be APPS and streaming in the next 5 years..using the clouds

Need to engage our users..Do we have the resources to be less than 10 years behind? We need a 2 year window..personal laptops are really better..do we need a different kind of R&D? How do stay ahead of the curve? Need to be Nimble and open minded—

Part of marketing is that we haven't marketed Interpretations

Need house cleaning with Official series descriptions—it is the fundamental blocks for building data information and raster information

Viewpoint of block diagram—conveying viewpoint of the landscape—visualizing landforms in digital formats

3 d television—block diagrams fit very well into this environment—3D is sometimes difficult to look at

Simulations--- where are the raster data sets? We need 1 square Kilometer resolution data—to drive models…10M raster datasets are available but difficult to distribute

Growing user—the Modeler data to make their information more robust for global and regional scale analysis

Conservation Delivery Streamlining Initiative CDSI (NRCS) webbased application new toolbox with GIS..major underpinning of database is SSURGO data—NRCS went to outside contractors to develop that software…We need more information and including use and application

CDSI incorporates practice standards—fencing ie is one of the top practice standards throughout the country..important soil properties are not in practice standards..

We need clean up on OSDs classification systems..which one is it?