

Team Science in PINEMAP

How far have we come?



What did we envision?





Bridges
Mud
Shallow waters
Islands emerging
Engineering the flow
Floating downstream
Waterfalls
Gauges
A pot of money
Power stations
Light Bulbs of new ideas
Repeated rapids
Boats of sinking interns
Hydro-cycles
Oceans of Uncertainty
The river braiding out

What did we fear?

- Data (lots of it at key points) and integration
- Leaving people behind
- Loss of funding
- Integrating inputs and outputs
- Communicating with stakeholders
- Timelines and decision horizons of land owners

Into the Future: PINEMAP Legacy

- **Better understanding (and knowledge)**

 - Integrated ways of thinking about silviculture, modeling and policy

 - Better assessment of future change effects on forestry industry

 - Advances in DNA sequences of loblolly pine

 - Integrative strategies to merge data across disciplines

 - Outcome Theme 4: Enhanced Capacity for inter-disc-inst. collaboration**

- **Research Products**

 - Datasets – Tier I, III

 - DSS, TerraC, PLT --- being used

 - Improved models

 - Outcome Theme 4: Enhanced Capacity for inter-disc-inst. collaboration**

- **Talent: Skilled scientists and managers**

 - Grad students in jobs (and are leaders)

 - Improved pine plantation land management - Resilient forestry practices

 - Outcome Theme 2: Literate Public, and Theme 4: Enhanced Capacity for inter-disc-inst. collaboration**

- **Enhanced collaboration: Functional working relationships & opportunities to continue research**

 - Cross Coop

 - Cross Institution

 - Outcome Theme 4 and Outcome Theme 5: Enhanced connections science-society**

- **Climate-resilient pine forests**

 - Outcome Theme 1 – Increased CO₂, Outcome Theme 6: Robust forest-based economy**

Data from annual meeting 5

Imagine it is 2020.

What is left from PINEMAP?

What has evolved since 2011?

Represent the PINEMAP legacy.

What did we achieve in PINEMAP
that could not have been done with
10 X \$2 million projects
5 X \$4 million?

How can we measure success?

- Meeting our Project (& Aim) Goals (Deliverables)
 - (Adaptations in Objectives)
 - Publications, Fact Sheets, Trainings, Graduates
DSS, PLT, Improved Models, Datasets --- etc. #
- Changes in collaborative network(s) – SNA
& Lessons learned in facilitating team science
- Surprise Outcomes
- Resources Leveraged

Celebrating the journey

THANK YOU to all



