Integrated Solutions in Forest Inventory

F4 Tech

Michigan SAF April 9, 2015





Overview

- About F4 Tech
- Innovations in forest inventory tools today
- Private company case study
- Public agency case study
- Real-time reporting and analytics
- Summary and conclusions
- Questions





About F4 Tech

- Began in 1998
- We are Foresters Leading Innovation
- Producing products and services focused on improving forest inventory technology
- Own four patents for forest technology applications
- We work to help make forestry more viable





Our Clients

- Consulting Foresters
- Procurement Foresters
- Government Agencies/Universities
 - Forestry
 - Wildlife
 - Environmental
- Industrial Timber Companies
- TIMOS and REITS
- Land Managers
- Environmental Consultants
- Wildlife and Fisheries

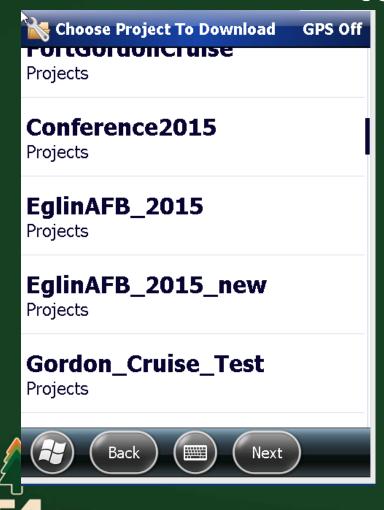


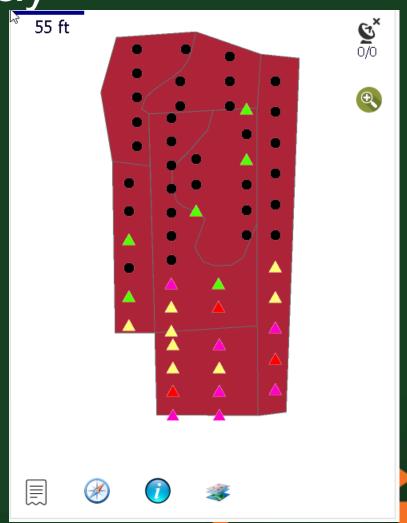


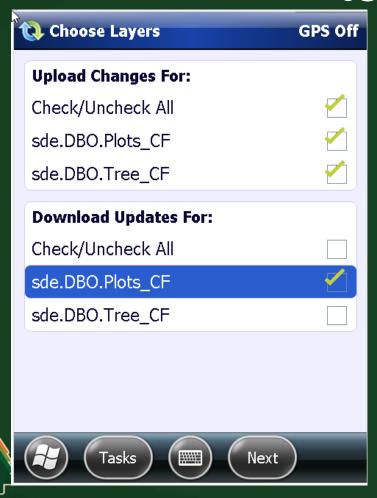
- Cloud
 - Trend is away from the desktop
 - Cheaper and better to lease rather than own applications
- Handhelds
 - More options with several platforms
 - Can now sync data directly to/from the Cloud



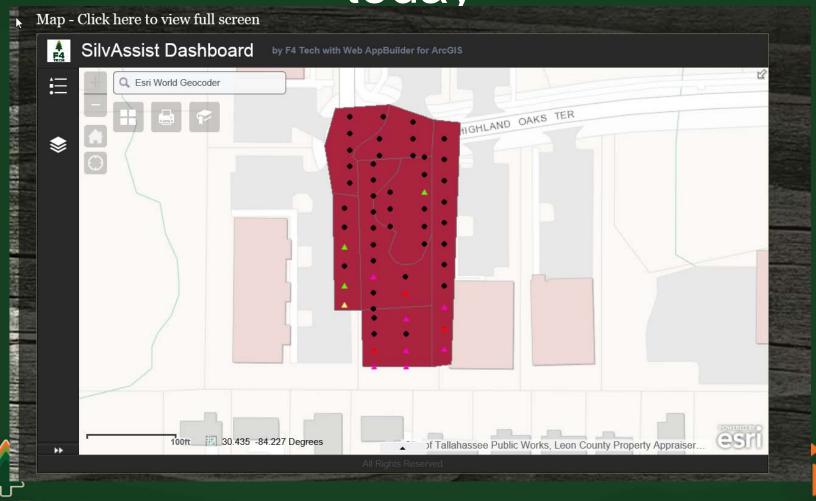


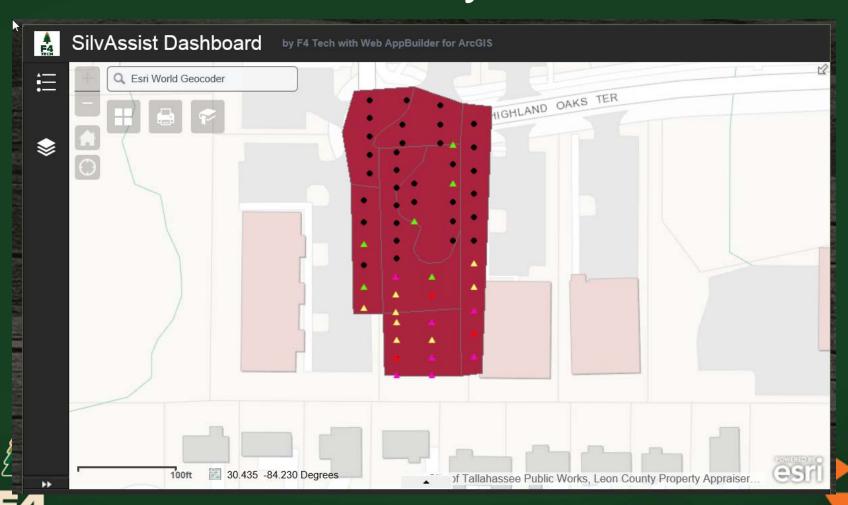












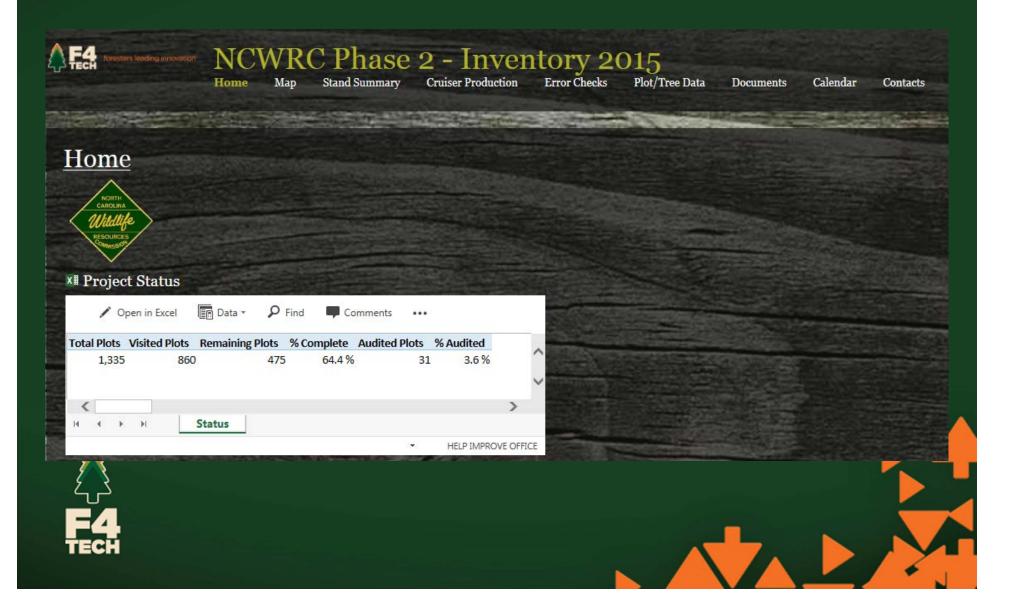
Private company case study St. Joe

- Up to 2013, owned about 600,000 acres
- Now owns 180,000 acres
- Looking for HBU opportunities on remaining lands
- Management goals include:
 - Maximize ROI (or NPV)
 - Minimize costs
 - Streamline processes

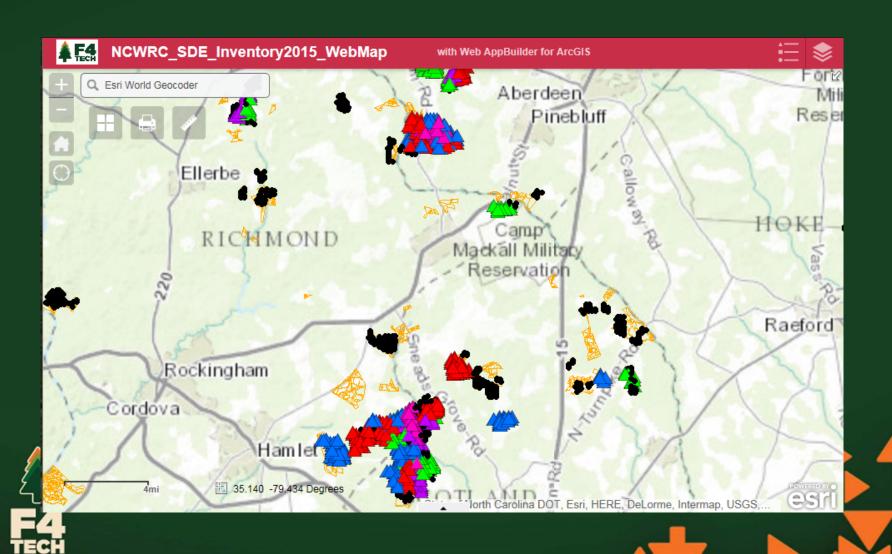
Private company case study St. Joe

- Have resulted in a conservative savings of AT LEAST HALF of the admin overhead costs per plot
- Greater transparency of the process
- More real-time data and analyses at client's disposal
- Errors are now caught sooner, with most being in the field

Public agency case study North Carolina Wildlife Resources Commission

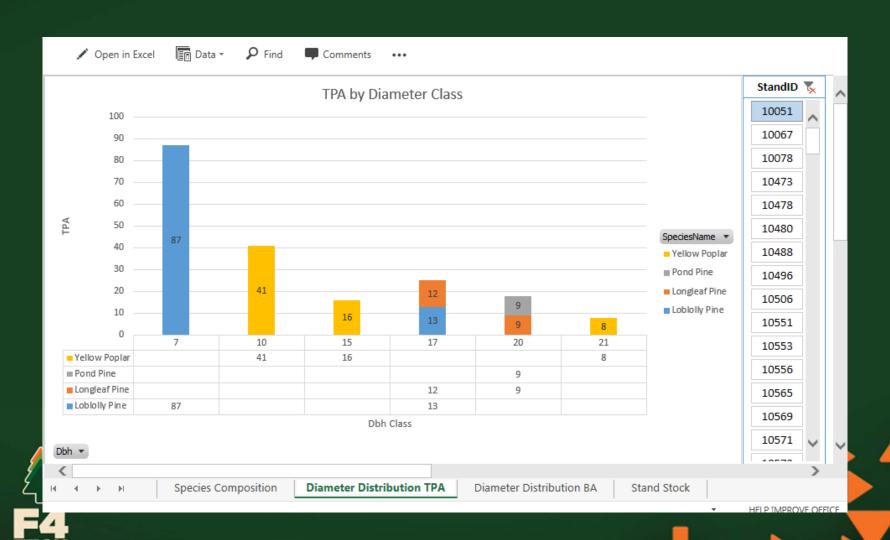


Public agency case study North Carolina Wildlife Resources Commission

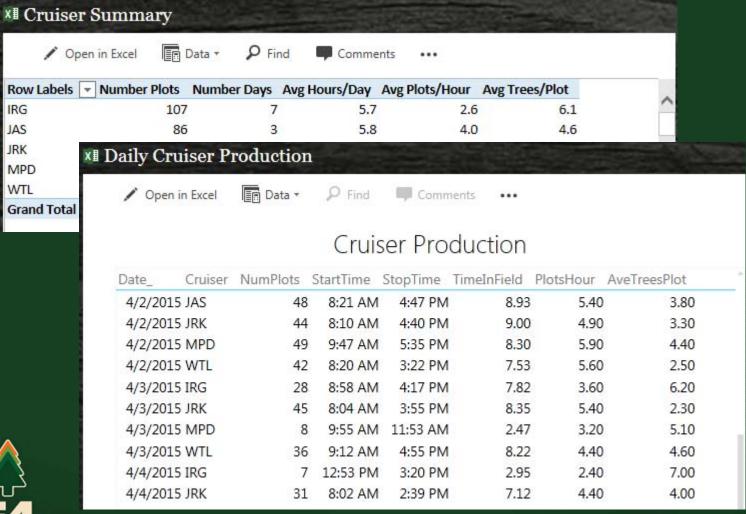


Public agency case study

North Carolina Wildlife Resources Commission



Public agency case study North Carolina Wildlife Resources Commission



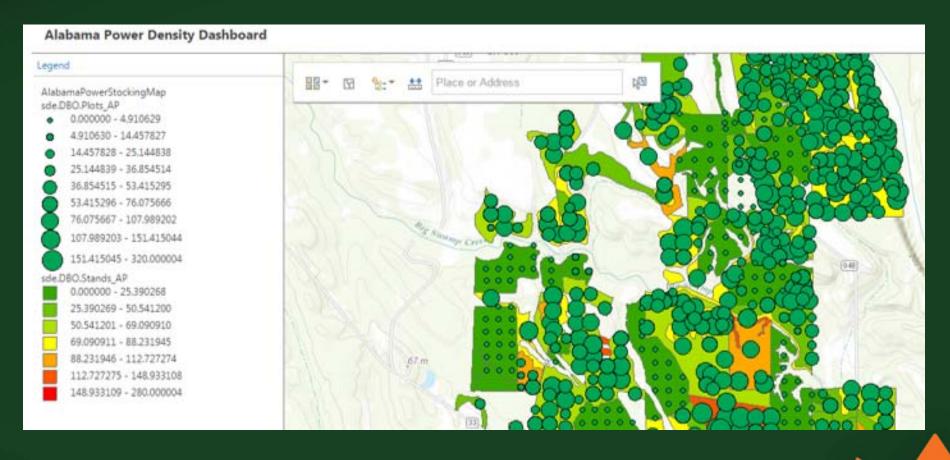


Real-time reporting and analytics

Data ▼ 🎾 F	ind Comments	•••						
			Per Acre			Stand Total		
Acres	SpeciesName	ProductName	Trees/Acre	BA/Acre	Tons/Acre	Trees Total	Tons Total	
21.26236549	Slash Pine	Sawtimber	7.3	10.0	9.4	154.2	200.4	
21.26236549	Slash Pine	Topwood	0.0	0.0	0.5	0.0	10.5	
21.26236549	Slash Pine Total		7.3	10.0	9.9	154.2	210.9	
21.26236549	Soft Hardwood	Cull	184.2	60.0	0.0	3,915.9	0.0	
21.26236549	Soft Hardwood Total		184.2	60.0	0.0	3,915.9	0.0	
			191.4	70.0	9.9	4,070.1	210.9	
11.64380051	Slash Pine	CNS	170.1	90.0	64.7	1,980.2	752.8	
11.64380051	Slash Pine	Pulpwood	53.3	20.0	20.7	620.4	240.7	
11.64380051	Slash Pine	Sawtimber	10.4	10.0	8.9	120.7	104.1	
11.64380051	Slash Pine	Topwood	0.0	0.0	7.0	0.0	81.9	
11.64380051	Slash Pine Total		233.7	120.0	101.3	2,721.2	1,179.6	
			233.7	120.0	101.3	2,721.2	1,179.6	
6.55497261	Slash Pine	Sawtimber	33.0	30.0	28.2	216.1	185.1	
6.55497261	Slash Pine	Topwood	0.0	0.0	3.3	0.0	21.5	
6.55497261	Slash Pine Total		33.0	30.0	31.5	216.1	206.6	
6.55497261	Soft Hardwood	Cull	175.2	80.0	0.0	1,148.5	0.0	
6.55497261	Soft Hardwood Total		175.2	80.0	0.0	1,148.5	0.0	
			208.2	110.0	31.5	1,364.5	206.6	



Real-time reporting and analytics





Summary and conclusions

- Add location to your inventory
- Increases the lifespan on the investment
- Leverages your GIS for greater analyses
- Reduces the likelihood of error due to incorrect data
- Near real-time data collection to executive decision making
- Move beyond reports with full array of analytics tools

Thank you for your time!

Questions?





