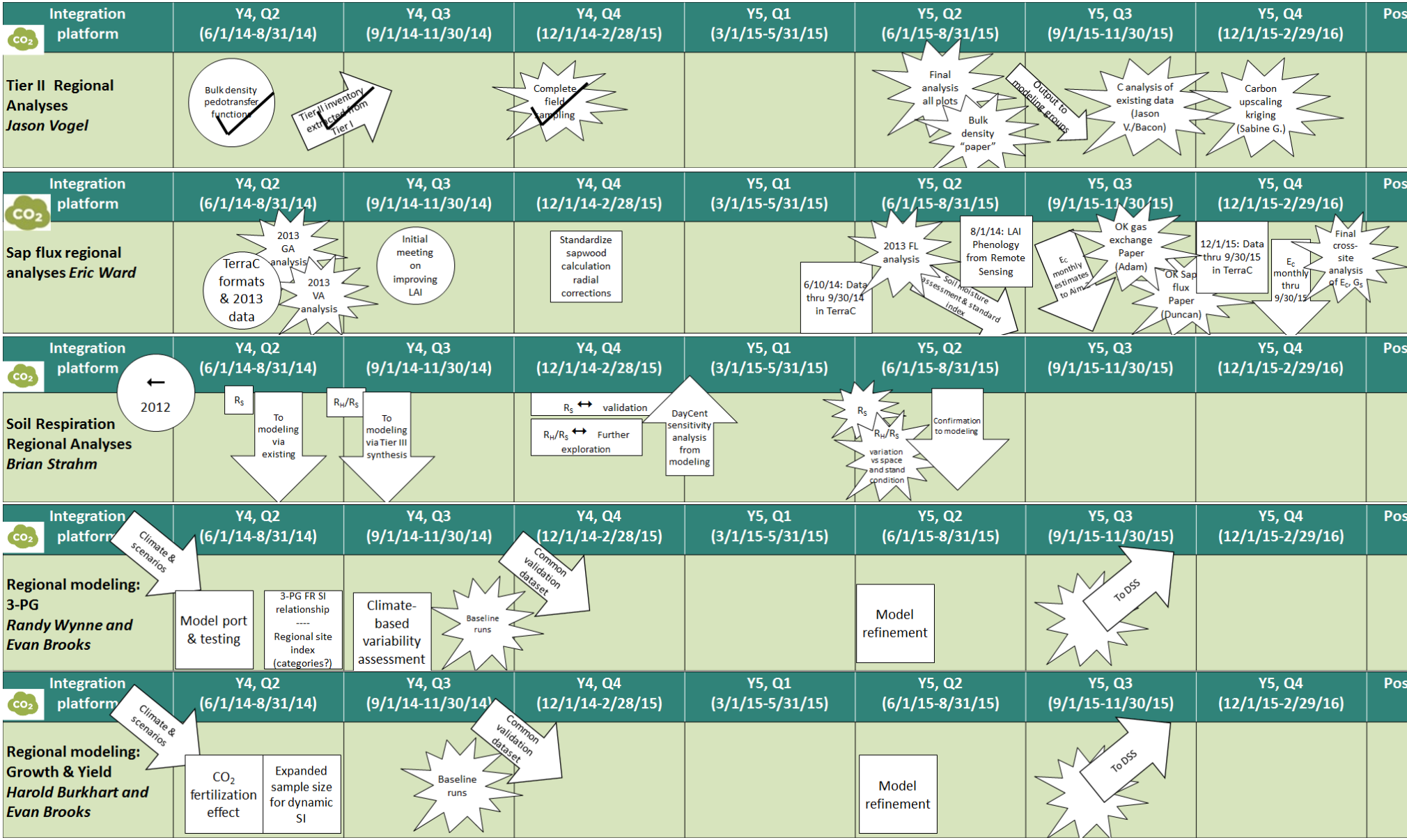
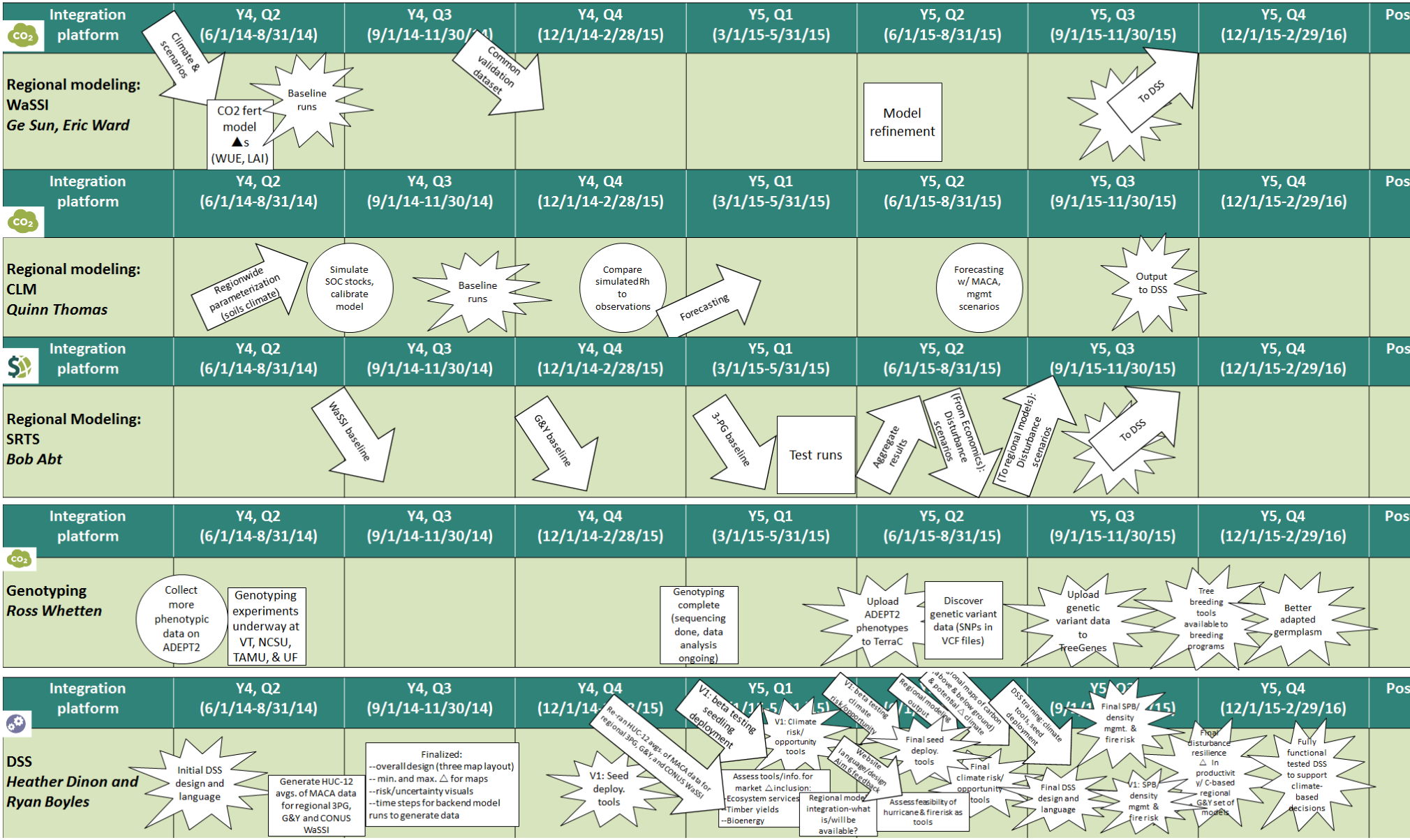

Integration platform
Y4, Q2 (6/1/14-8/31/14)
Y4, Q3 (9/1/14-11/30/14)
Y4, Q4 (12/1/14-2/28/15)
Y5, Q1 (3/1/15-5/31/15)
Y5, Q2 (6/1/15-8/31/15)
Y5, Q3 (9/1/15-11/30/15)
Y5, Q4 (12/1/15-2/29/16)
Pos
Tier II Regional Analyses Jason Vogel
Bulk density pedotransfer function
Tier II inventory extracted from Tier I
Complete field sampling
Final analysis all plots
Bulk density "paper"
Output to modeling groups
C analysis of existing data (Jason V./Bacon)
Carbon upscaling kriging (Sabine G.)
Sap flux regional analyses Eric Ward
TerraC formats & 2013 data
2013 GA analysis
2013 VA analysis
Initial meeting on improving LAI
Standardize sapwood calculation radial corrections
6/10/14: Data thru 9/30/14 in TerraC
2013 FL analysis
8/1/14: LAI Phenology from Remote Sensing
Soil moisture assessment & standard index
Ec monthly estimates to Aim
OK gas exchange Paper (Adam)
OK Sap flux Paper (Duncan)
12/1/15: Data thru 9/30/15 in TerraC
Ec monthly thru 9/30/15
Final cross-site analysis of Ec, Gs
Soil Respiration Regional Analyses Brian Strahm
2012
Rs
To modeling via existing
RH/Rs
To modeling via Tier III synthesis
Rs ↔ validation
RH/Rs ↔ Further exploration
DayCent sensitivity analysis from modeling
Rs
RH/Rs
variation vs space and stand condition
Confirmation to modeling
Regional modeling: 3-PG Randy Wynne and Evan Brooks
Climate & scenarios
Model port & testing
3-PG FR SI relationship ---- Regional site index (categories?)
Climate-based variability assessment
Baseline runs
Common validation dataset
Model refinement
To DSS
Regional modeling: Growth & Yield Harold Burkhart and Evan Brooks
Climate & scenarios
CO2 fertilization effect
Expanded sample size for dynamic SI
Baseline runs
Common validation dataset
Model refinement
To DSS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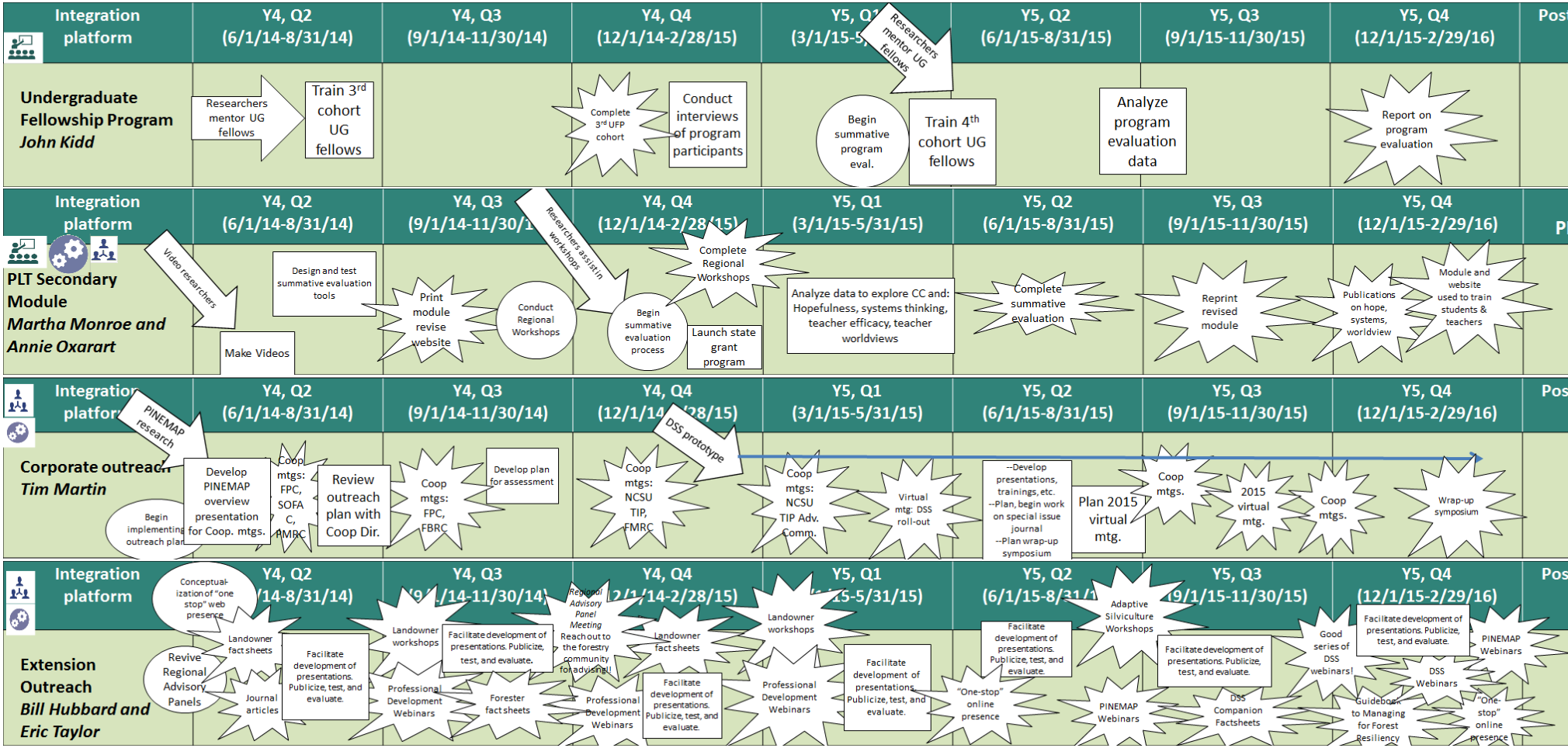
Pos
Regional modeling: WaSSI
Ge Sun, Eric Ward
Climate & scenarios
CO2 fert model ▲s (WUE, LAI)
Baseline runs
Common validation dataset
Model refinement
To DSS
Regional modeling: CLM
Quinn Thomas
Regionwide parameterization (soils climate)
Simulate SOC stocks, calibrate model
Baseline runs
Compare simulated Rh to observations
Forecasting
Forecasting w/ MACA, mgmt scenarios
Output to DSS
Regional Modeling: SRTS
Bob Abt
WaSSI baseline
G&Y baseline
3-PG baseline
Test runs
Aggregate results
(From Economics): Disturbance scenarios
(To regional models): Disturbance scenarios
To DSS
Genotyping
Ross Whetten
Collect more phenotypic data on ADEPT2
Genotyping experiments underway at VT, NCSU, TAMU, & UF
Genotyping complete (sequencing done, data analysis ongoing)
Upload ADEPT2 phenotypes to TerraC
Discover genetic variant data (SNPs in VCF files)
Upload genetic variant data to TreeGenes
Tree breeding tools available to breeding programs
Better adapted germplasm
DSS
Heather Dinon and Ryan Boyles
Initial DSS design and language
Generate HUC-12 avgs. of MACA data for regional 3PG, G&Y and CONUS WaSSI
Finalized:
--overall design (three map layout)
-- min. and max. △ for maps
--risk/uncertainty visuals
--time steps for backend model runs to generate data
Re-ran HUC-12 avgs. of MACA data for regional 3PG, G&Y, and CONUS WaSSI
V1: Seed deploy. tools
V1: beta testing seedling deployment
Assess tools/info. for market △inclusion:
-Ecosystem services
-Timber yields
--Bioenergy
V1: Climate risk/ opportunity tools
Regional model integration-what is/will be available?
V1: beta testing climate risk/opportunity
Website language/design Aim 6 feedback
Regional modeling & potential △ climate
Assess feasibility of hurricane & fire risk as tools
Final seed deploy. tools
Final climate risk/ opportunity tools
DSS training: climate tools, seed deployment
Final DSS design and language
Final SPB/ density mgmt. & fire risk
V1: SPB/ density mgmt & fire risk
Final disturbance resilience △ In productivit y/ C-based regional G&Y set of models
Fully functional tested DSS to support climate-based decisions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Y5, Q2 (6/1/15-8/31/15)
Y5, Q3 (9/1/15-11/30/15)
Y5, Q4 (12/1/15-2/29/16)
Undergraduate Fellowship Program
John Kidd
Researchers mentor UG fellows
Train 3rd cohort UG fellows
Complete 3rd UFP cohort
Conduct interviews of program participants
Researchers mentor UG fellows
Begin summative program eval.
Train 4th cohort UG fellows
Analyze program evaluation data
Report on program evaluation
PLT Secondary Module
Martha Monroe and Annie Oxarart
Video researchers
Make Videos
Design and test summative evaluation tools
Print module revise website
Conduct Regional Workshops
Researchers assist in workshops
Begin summative evaluation process
Complete Regional Workshops
Launch state grant program
Analyze data to explore CC and: Hopefulness, systems thinking, teacher efficacy, teacher worldviews
Complete summative evaluation
Reprint revised module
Publications on hope, systems, worldview
Module and website used to train students & teachers
Corporate outreach
Tim Martin
PINEMAP research
Begin implementing outreach plan
Develop PINEMAP overview presentation for Coop. mtgs.
Coop mtgs: FPC, SOFAC, FMRC
Review outreach plan with Coop Dir.
Coop mtgs: FPC, FBRC
Develop plan for assessment
Coop mtgs: NCSU TIP, FMRC
DSS prototype
Coop mtgs: NCSU TIP Adv. Comm.
Virtual mtg: DSS roll-out
--Develop presentations, trainings, etc. --Plan, begin work on special issue journal --Plan wrap-up symposium
Plan 2015 virtual mtg.
Coop mtgs.
2015 virtual mtg.
Coop mtgs.
Wrap-up symposium
Extension Outreach
Bill Hubbard and Eric Taylor
Conceptual-ization of "one stop" web presence
Revive Regional Advisory Panels
Landowner fact sheets
Journal articles
Facilitate development of presentations. Publicize, test, and evaluate.
Landowner workshops
Professional Development Webinars
Facilitate development of presentations. Publicize, test, and evaluate.
Forester fact sheets
Regional Advisory Panel Meeting
Reach out to the forestry community for advising!
Landowner fact sheets
Professional Development Webinars
Facilitate development of presentations. Publicize, test, and evaluate.
Landowner workshops
Professional Development Webinars
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Facilitate development of presentations. Publicize, test, and evaluate.
"One-stop" online presence
Adaptive Silviculture Workshops
PINEMAP Webinars
Facilitate development of presentations. Publicize, test, and evaluate.
DSS Companion Factsheets
Good series of DSS webinars!
Facilitate development of presentations. Publicize, test, and evaluate.
DSS Webinars
Guidebook to Managing for Forest Resiliency
PINEMAP Webinars
"One-stop" online presence