

AMT November Recap

11/9/2023

What have we been discussing?

Crop Yields

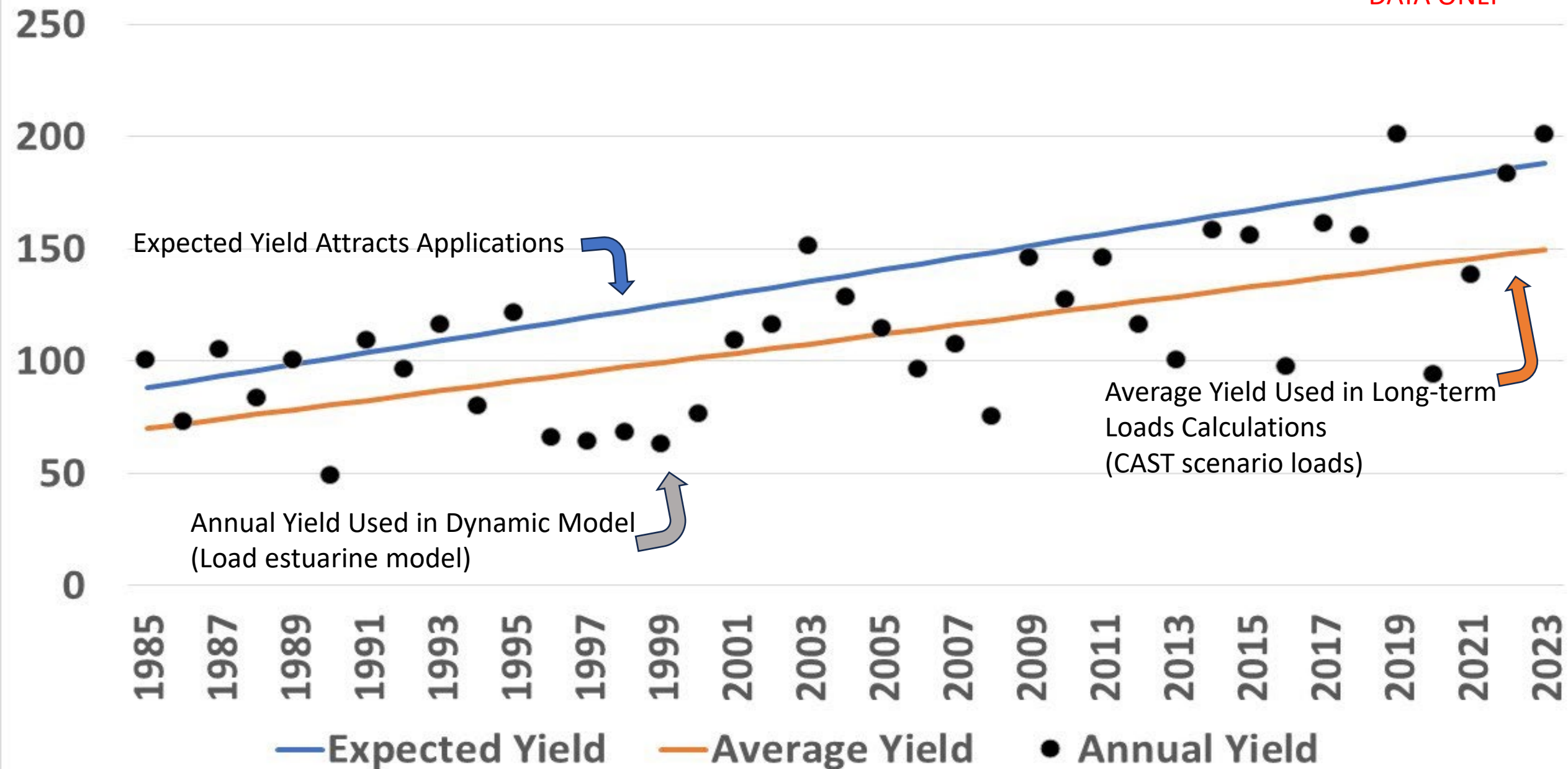
- Progress update

Land Uses

- Background
- Future directions

Yield Values in CAST

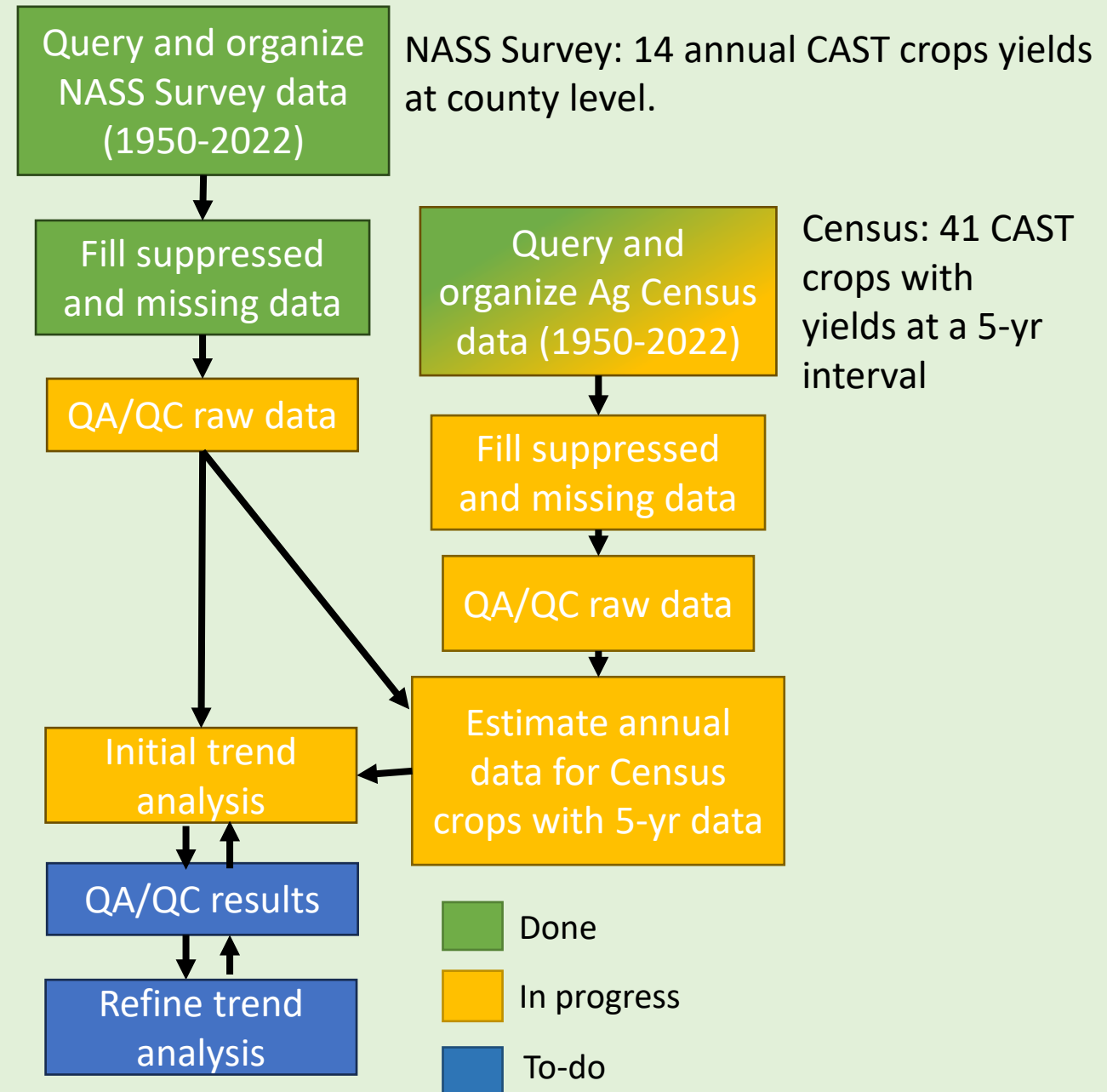
*EXAMPLE
DATA ONLY



Planned Path for investigation

Goals: Estimate farmer yield expectations at the county level which drive the application of nutrients.

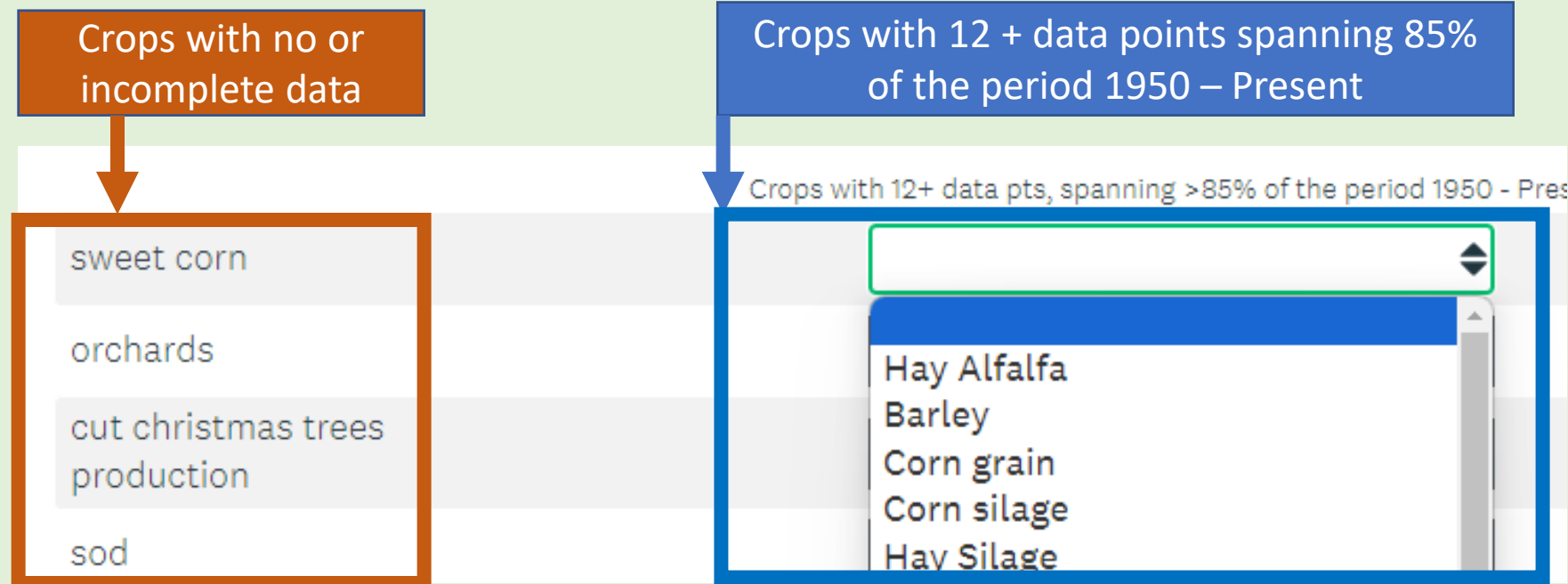
Approach: Use trend analysis of long-term annual crop yields to develop several potential scenarios of yield expectation at the county level.



Action Items:

- Data call
 - Any additional information on crop yields
- Relating crops
 - [Voting member survey](#) (~5 minutes)
 - Select the crop with data that you feel shares yield trends with the crop lacking yield data

Ag Modeling Team Voting members	
Affiliation	Primary
Chair	Zach Easton, VT
Delaware	Chris Brosch (DDA)
Maryland	Alisha Mulkey (MDA)
New York	Cassie Davis (NYS DEC)
Pennsylvania	Scott Heidel (PA DEP)
Virginia	Tim Larson (VA DCR)
West Virginia	Dave Montali (Tetrattech)
U.S. Environmental Protection Agency	Jeff Sweeney (EPA)
At Large	Ken Staver, UMD
At Large	Tamie Veith, USDA-ARS
At Large	Candiss Williams, USDA-NRCS
At Large	Alex Soroka, USGS



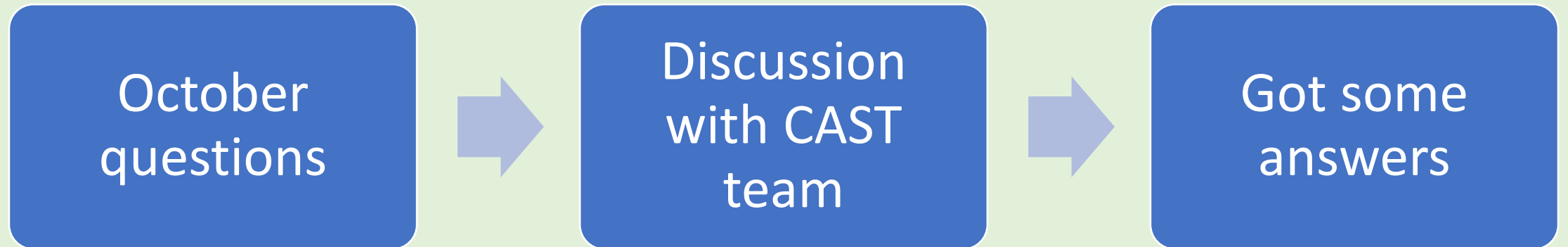
Land Uses

Basics overview

Phase 7 direction

Discussion: how specific should CAST be

Cover Crops



Cover Crops

Modeled solely as a management practice, not a land use.

- The land use will be one of the cropland load sources.

The cropland load sources are based on the harvested amount from the Census of Agriculture. No unharvested data are used in creating crop load sources.

Cover crops are a management practice

- Credited based on a percent reduction of the load based on the load sources that the practice is applied to.
- The states or planners indicate which load sources have cover crops, and the type of cover crop planted.

Questions?