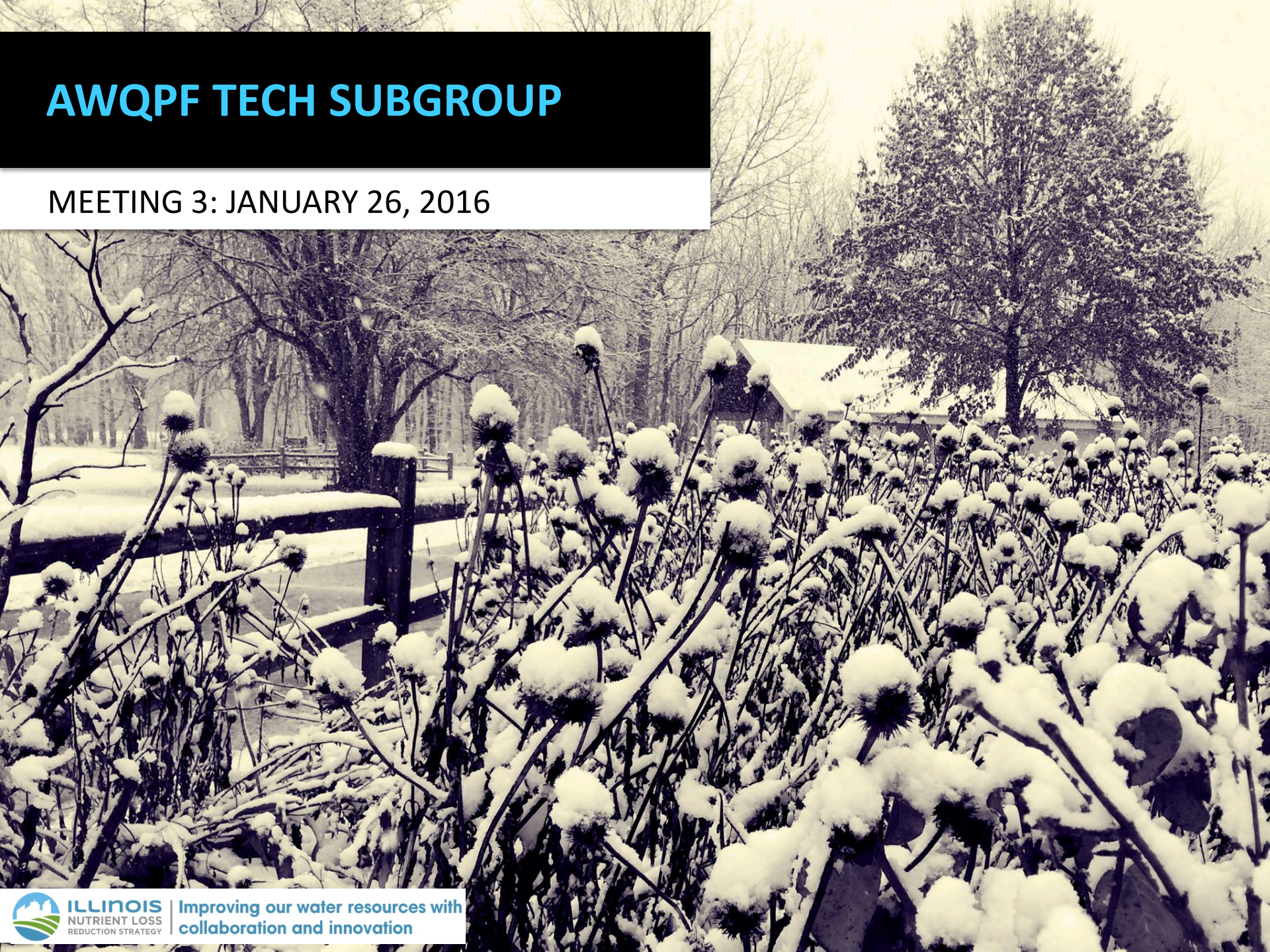
AWQPF TECH SUBGROUP

MEETING 3: JANUARY 26, 2016



ILLINOIS NUTRIENT LOSS REDUCTION STRATEGY | Improving our water resources with collaboration and innovation

Introductions

FSA
Kim Martin, Natalie Prince

USDA-NASS
Mark Schleusener

Illinois Dept of Ag
Warren Goetsch, Steve Chard, Kevin Rogers

Illinois EPA
Marcia Willhite, Trevor Sample

IDNR
Mike Chandler, Lisa Beja

USDA-NRCS
Eric Gerth

IFCA
Jean Payne

Ag Partners
Jennifer Tirey, Lyndsey Ramsey

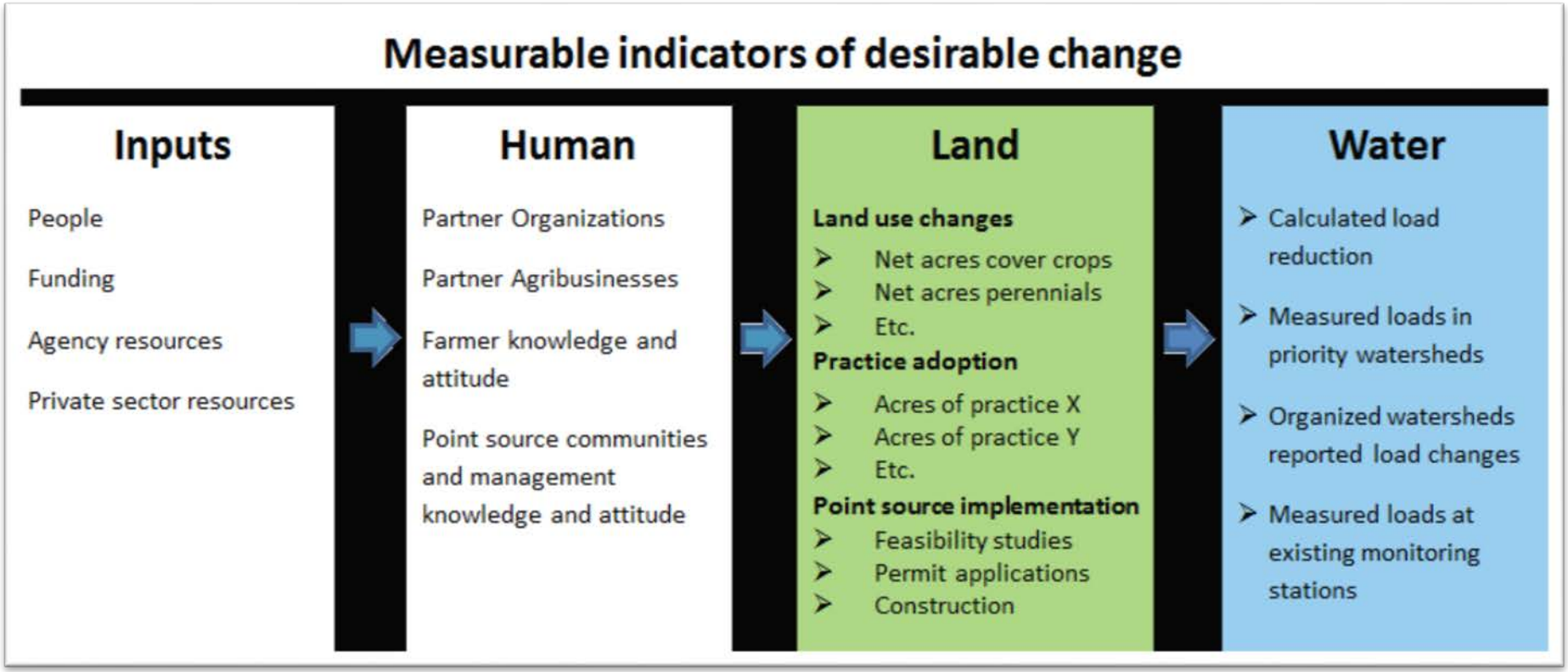
ILICA
Ryan Arch

AWQPF Tech Subgroup Committee Charge

1. Determine the best way to share and aggregate bmp implementation data across agencies (so we can track our progress in accomplishing the Illinois Nutrient Loss Reduction Strategy).
2. Determine what BMP implementation parameters will be tracked (e.g. cover crops, wetlands, buffer strips, etc.) and how it will be aggregated (e.g. per watershed, statewide, lump practices into categories like edge of field, etc.). This includes identifying future data parameters required from producer surveys or transect surveys to track progress in accomplishing the NLRS.
3. Assess existing BMP implementation data availability over time to advise the policy work group as they select a BMP implementation baseline year.

LOGIC MODEL

Tracking BMP Implementation Logic Model



Source: Iowa State University, Extension and Outreach, Measures of Success Committee

Tracking BMP Implementation Logic Model

Inputs Table and Human Table – CBMP tracking

Land Table

What are we using to measure it?

Land	FSA	USDA-NRCS	Illinois EPA	IDA	IDNR	NASS	Ag Partners
Land use changes							
➢ Net acres cover crops							
➢ Net acres perennials							
➢ Etc.							
Practice adoption							
➢ Acres of practice X							
➢ Acres of practice Y							
➢ Etc.							
Point source implementation							
➢ Feasibility studies							
➢ Permit applications							
➢ Construction							
Others_____							
Others_____							

Land Table

Land	Consensus	
Red. N rate from backgrnd to MRTN 10%	NASS data can provide this information.	Check with IFCA about similar ?'s on industry survey.
Nitrification inhibitor w/ all fall-applied fert on tile-drained corn	Add 2 ?'s to NASS survey: inhibitor & drain.	
Split appl. 50% fall + 50% sp on tiled corn	NASS survey can provide this information.	
Spring-only appl. on tile-drained corn	NASS survey can provide this information.	
Split appl. of 40% fall, 10% pre-plant, and 50% side dress	NASS survey can provide this information.	
Cover crops on all corn/soybean tile ac	Two sources: FSA (need to link soil data and/or HUC8) and NASS (will add this question and tile drain ac to survey).	
Cover crops corn/soybean non-tile ac		
Bioreactors on 50% of tile-drained land	EQUIP & 319 have usable data. Add NASS survey ?. * (see below)	
Wetlands on 25% of tile-drained land	FSA and IDNR will coordinate data. 319 also has usable data.	
Buffers on all applicable crop land	FSA and IDNR will coordinate data. 319 also has usable data.	
Perennial/energy = to pasture/hay ac	FSA and 5 yr Census of Ag have usable data.	
Perennial/energy crops 10% tile-drained	FSA and 5 yr Census of Ag have usable data.	
Water table management	EQUIP & 319 have usable data. Add NASS survey ?. *Check with LICA about ?'s on industry survey.	

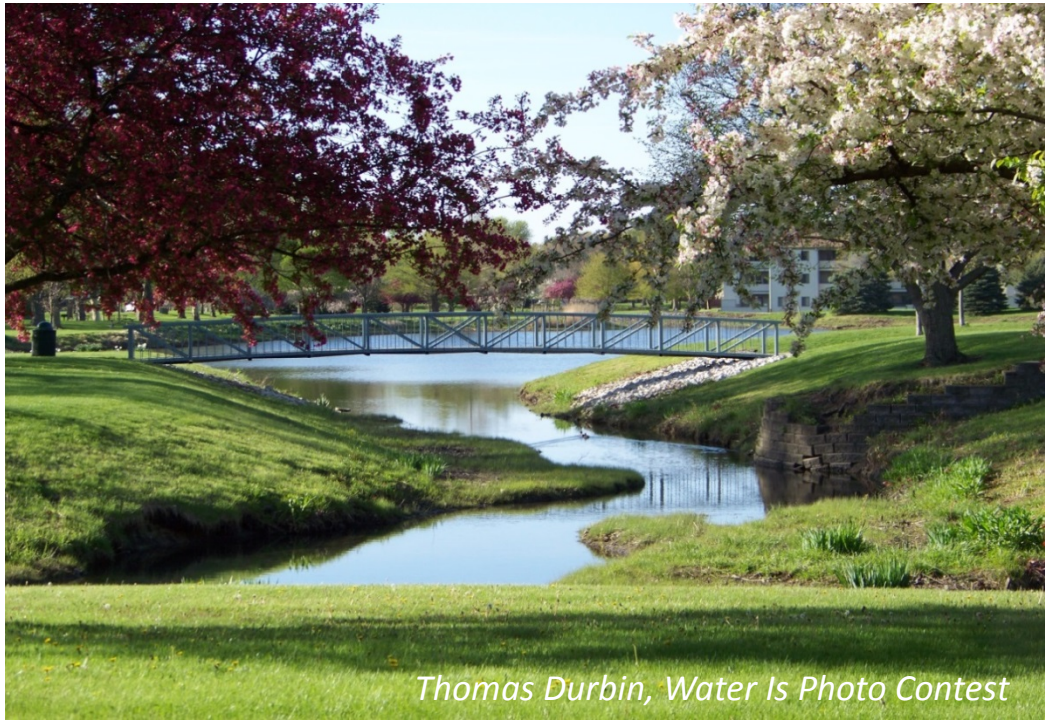
Land Table

- Determine units
- Refine data source(s)
- Collection and Aggregation process
- Multiple agency coordination
- How to handle adding new practices to table

NASS SURVEY – *MARK SCHLEUSENER*

Future meeting dates

- March 29, 2016
- June 14, 2016
- October 11, 2016



Thomas Durbin, Water Is Photo Contest