Discussion

■ *iNtr*

- used vigorously for 2015 NRI;
- will ultimately replace the current in-house comparison program.

viscover

- can be generalized to visualize and integrate different data sources in R.
 - Web Services seen in other official statistics: <u>Normalized Difference</u> <u>Vegetation Index</u> (NDVI), <u>Vegetation Condition Index</u> (VCI), <u>National</u> <u>Land Cover Data</u> (NLCD), etc.

References

- 1. Groves, Robert M., and Lars Lyberg. "Total survey error: Past, present, and future." *Public opinion quarterly* 74.5 (2010): 849-879.
- 2. Brackstone, Gordon. "Managing data quality in a statistical agency." (2003).
- 3. Karr, Alan F., Ashish P. Sanil, and David L. Banks. "Data quality: A statistical perspective." Statistical Methodology 3.2 (2006): 137-173.
- 4. Williams, Matthew, and Emily Berg. "Incorporating User Input Into Optimal Constraining Procedures for Survey Estimates". *Journal of Official Statistics* 29.3 (2013): 375-396.
- 5. Joblin, Mitchell, and Wolfgang Mauerer. "An Interactive Survey Application for Validating Social Network Analysis Techniques." *R Journal* 8.1 (2016).
- 6. U.S. Department of Agriculture. 2018. Summary Report: 2015 National Resources Inventory, Natural Resources Conservation Service, Washington, DC, and Center for Survey Statistics and Methodology, Iowa State University, Ames, Iowa.
- 7. X. Lyu, E. J. Berg, and H. Hofmann. Empirical bayes small area prediction of sheet and rill erosion under a zero-inflated lognormal model. 2018. Manuscript submitted for publication.