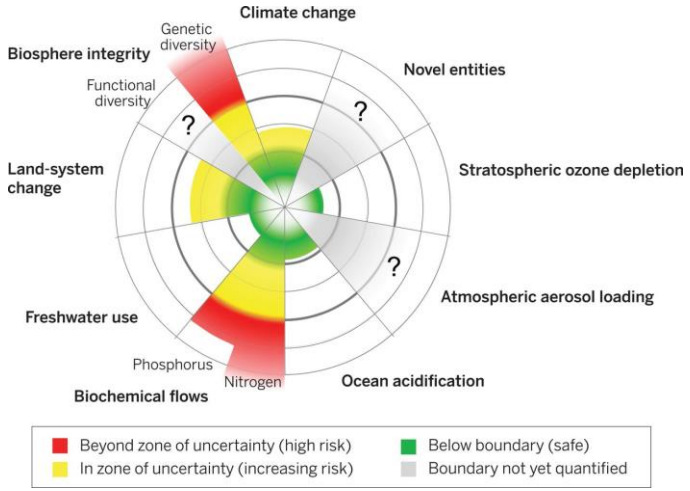
Natural Systems Agriculture Learning Centre Tour

Friday, August 16, 2024
9:30 AM (sharp) to 12 noon

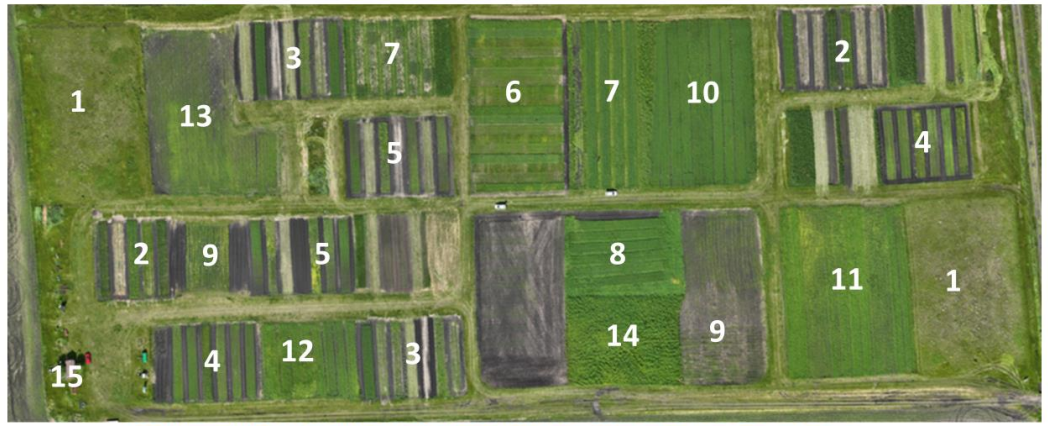


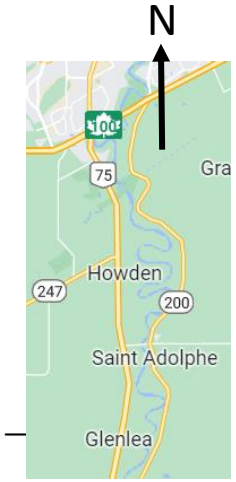
The Challenge: When [1]planetary boundaries are exceeded, like the areas in red above, life on our planet is threatened. Agriculture contributes to these problems but agriculture can also offer solutions to the challenges.

Our response: The goal of our program is to substitute natural processes for the current more destructive approaches. For over 30 years, we have been developing answers to questions such as: Can we grow economical crops with only half as much synthetic fertilizer, or none? Can a more diverse agricultural system allow the elimination of pesticides? Can farmers contribute to genetic conservation through participatory methods? How can farm diversity be used to increase soil health and allow soil to store more carbon? We invite you to visit us and join the conversation.

University of Manitoba

Glenlea "Natural Systems Agriculture" Learning Centre





https://umanitoba.ca/agricultural-food-sciences/natural-systems-agriculture-research-group

1. Native prairie benchmark plots
2. No-till grain rotation
3. No-till forage-grain rotation
4. Organic grain rotation
5. Organic forage-grain rotation
6. Grain legume intensification study
7. Mulch transfer studies
8. Farmer selected wheat varieties
9. MCVET organic wheat (early & late seeding)
10. Wheat seeding rate on thistle
11. Pea seeding rate on thistle
12. Cover crop effects on nitrous oxide
13. Evolutionary oat population
14. Clover for soil dewatering
15. Solar powered clubhouse

- **Format:** An overview of all 14 experiments (9:30 to 10:30), then an opportunity to visit projects individually and speak with student and faculty researchers. Also, learn about tomorrow's leaders - our group of RBC scholars.
- No registration required.
- **Directions**: At "Research station road", turn **WEST** off Hwy 75 and follow signs.
- We will be outdoors so dress for the weather
- Tour will occur rain or shine
- Washroom facilities available

[1]Steffen et al. 2015. Planetary boundaries. *Science*, *347*(6223), p.1259855.