GASL Field Trip Overview

GASL Next Generation Perspective
Teagasc Grange Animal & Grasslands Research Centre:
Highlights:

- Extremely impressive grass/forage quality
- Feeds formulation - Red Clover for Silage systems. White Clover for grazing systems. A way of managing nutrient quantities especially Nitrates.
- Innovative research (Especially regarding emissions + efficiency) - Reducing methane production
- Feeding trials(GreenFeeds system) and in vitro studies
A windy road to sustainability!

- Signpost farms all across Ireland
- Impressive ability to run large amounts of cattle/hectare
- Large youth involvement was refreshing and exciting to see, particularly in the research sector
Group 1: Dermot Heaney Commercial Dairy Farm
Highlights:

- Signpost program was attractive to the farmer
- Trying to increase EBI of farm - selective breeding through ICBF
- N & P conservation practices
  - Application methods
  - Uptake by plants (red clover)
- Breeds of cows on the farm
Group 2 & 3: Devenish Lands at Dowth Research Farm

- A true one health approach! (HEARTLAND Project)
- Amazing infrastructure and landscape
- Conservation of biodiversity and ancient buildings
Highlights:

- Innovative research done on alternative sources of omega 3 fatty acids.
- Omega 3 content in Seafish reduced over time due to fish farming when compared to naturally obtained fish.
- **Omega 3 rich meat and egg products**
- Randomized trial done over a 6 months duration on 141 people with omega 3 enriched chicken and eggs- results showed increased blood omega 3 levels.
Highlights:

- Multispecies Swards to improve feed conversion efficiency

- Interesting fact!
  “No leguminous bloat so far”
Highlights:

- Multi species swards for better FCR and better soil health

- Soil microbiome and macrofauna research

- Impressive work done to support goal of achieving Carbon Neutrality by 2024
Thank you