

# Integrative Research Group Ideas from LRG

Brian Mc Conkey, Jean-François Soussana, Lee Nelson

# Questions

---

- Who is the audience?
- What is the outcome for IRG?
  - - What is success?
- What are low-hanging fruits to influence a target audience?
  - - What are the outputs?
- What are the game-changing investments?
- What adds value?

# Audience

---

- Policy makers regarding beneficial management practices for farm and landscapes
- Technology transfer advisors to farmers
- GHG inventory practitioners

# IRG Outcomes

---

- **Better mitigation options at farm scale**
    - Better capability to integrate net effects across GHG processes
    - Better estimates of SOC sequestration
    - Better inclusion of economics and production
    - Better inclusion of feed-manure-soil health inter-relationships
  - **Better GHG inventories**
    - Better MRV
    - Better capability to confidently move to Tier 2 or Tier 3 methods
    - Better emission factors
-

# Low-hanging fruit

---

- **Grassland Network**
  - Collate and synthesize SOC change rates for grassland systems
    - Tropical pastures

# Low-hanging fruit

---

- **SOC Network**
  - General guidance on estimating a reasonable maximum SOC sequestration rates based on net primary production, farming practices, and site conditions

# Low-hanging fruit

---

- **Inventory Network**
  - Compiling experiences and lessons learned from countries on inventory improvement

# Low-hanging fruit

---

- **Farm scale and regional scale modelling**
  - Capture practical experience on tools being used for estimating farm-scale emissions?
    - Include applicability



# Low-hanging fruit

---

- Field Scale Modelling Network

# Low-hanging fruit

---

- **Cross-cutting**
  - Metadatabase of information and data sources

# Game-changing projects

---

- **Guidance on MRV of SOC change**
  - **Capability to practically model GHG emissions and removals for landscape and catchment scale with multiple land uses**
  - **Capability to do process modelling of GHG emissions and removals at farm scale**
  - **Information to help evaluate adaptation and mitigation benefits and uptake**
-

# IRG Next steps

---

- **Obtain input from Cropland and Paddy rice RG on IRG opportunities**
  - Next month
- **Recruit leads for Networks**
  - By May 2016
- **Engage member countries and partners in participation in IRG and/or its networks**

# IRG Next steps

---

- Identify some information products to output within 1 year
  - Strategic planning to add value
  - Resourcing and work planning
  - **Communication/coordination/collaboration**
    - With IRG networks
    - With other GRA groups/networks, GRA members and GRA partners
    - With others outside of GRA
-