

General Activities for the Integrative Research Group

Brian McConkey, Jean-François Soussana, Lee Nelson

Integrative Research Group

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- **Quantify GHG across scales and agricultural systems:** Develop the knowledge and capabilities to estimate, measure, and forecast GHG emissions within and across agricultural systems
 - **Transfer and share knowledge:** Share, synthesize, and transfer knowledge that provides technical assistance and guidance, information on costs and benefits of GHG mitigation and adaptation to improve policy decision making, and practical tools to improve management decisions for agricultural systems
 - **Audiences:** multi-stakeholders (climate change policy decision makers, advisors to farmers, inventory developers, scientists, agriculture value chain)
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Activities to achieve GRA Strategy

1. Further research collaboration
2. Foster Outreach, Knowledge Sharing, and Information Exchange
3. Build Effective Partnerships
4. Leverage Financial and Other Resources

Activities contributing to

1. Further research collaboration

- Facilitate participation in IRG and within IRG networks
 - Engage with other RGs and their networks to identify needs and opportunities for the IRG
 - Identify IRG opportunities within IRG including between its own networks
 - Stock take interests and activities of Members and partners to identify potential synergies and efficiencies
 - Connect expertise to address identified opportunities
 - Assessment
 - Build teams, develop proposals, and seek resources for the most feasible and attractive
 - Undertake resourced projects
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Activities that contribute to

2. Foster outreach, knowledge sharing, and information exchange

- Communicate value and products of IRG effectively
 - Accessible and low-cost methods of exchange (e.g. web, social media, open-access papers)
 - Format, language, and detail tailored to each audience
 - Highlight existence of useful knowledge and information to target audiences
 - Work with members and partners to adapt knowledge and information for further dissemination to stakeholders, including farmers
 - Dialogue with clients and stakeholders
 - Knowledge needs and improving effectiveness of exchange pertaining to IRG
 - Facilitate mechanisms for knowledge sharing
 - Facilitate training opportunities where needed
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Activities that contribute to

3. Build effective partnerships

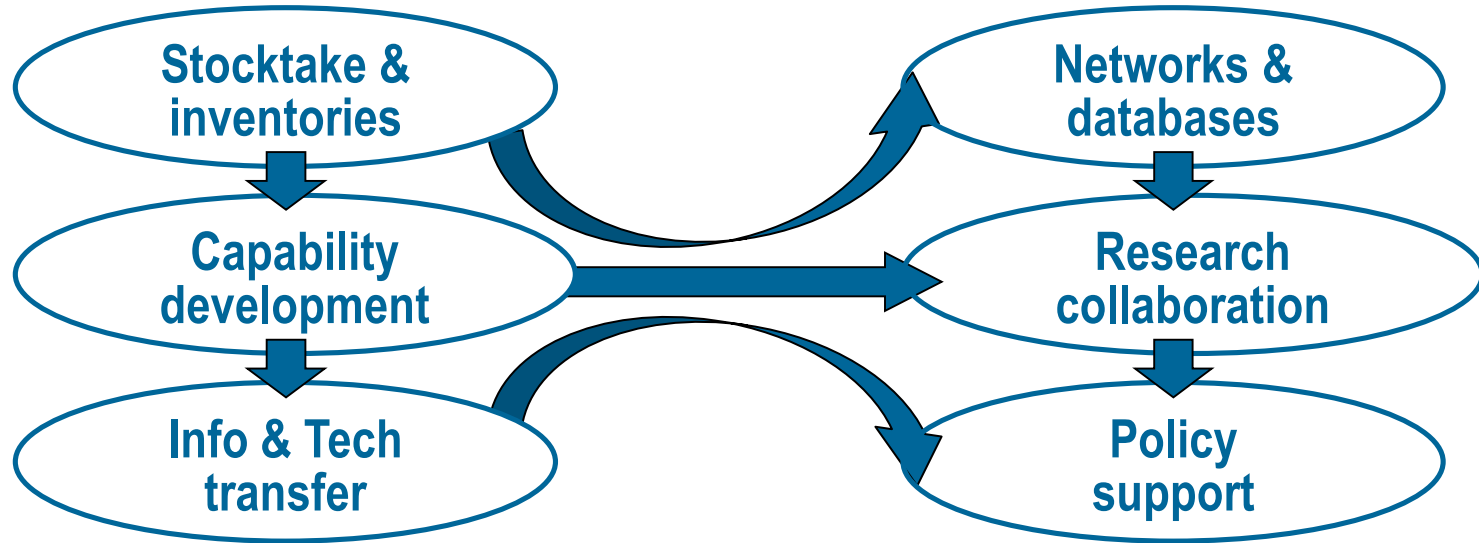
- Actively investigate
 - Initiatives and funding for which IRG can make valuable contributions
 - Relevant organizations to identify shared interests for potential collaboration with IRG
- Foster dialogue with existing and potential partners about partner-relevant opportunities with the IRG
 - Coordinate dialogue with whole of GRA
- Encourage potential partners to participate in relevant IRG networks.

Activities that contribute to

4. Leverage resources

- Encourage contribution of human resources (time) from members and partners to identify and develop project ideas and proposals
 - Encourage organizations with shared interests to participate early in process
- Seek resources for projects
 - Modify, including possible combining, project ideas as necessary to develop proposals to match requirements and priorities of potential funders.
 - Coordinate proposals and resource seeking with whole of GRA

General Research Group Activities for Reporting



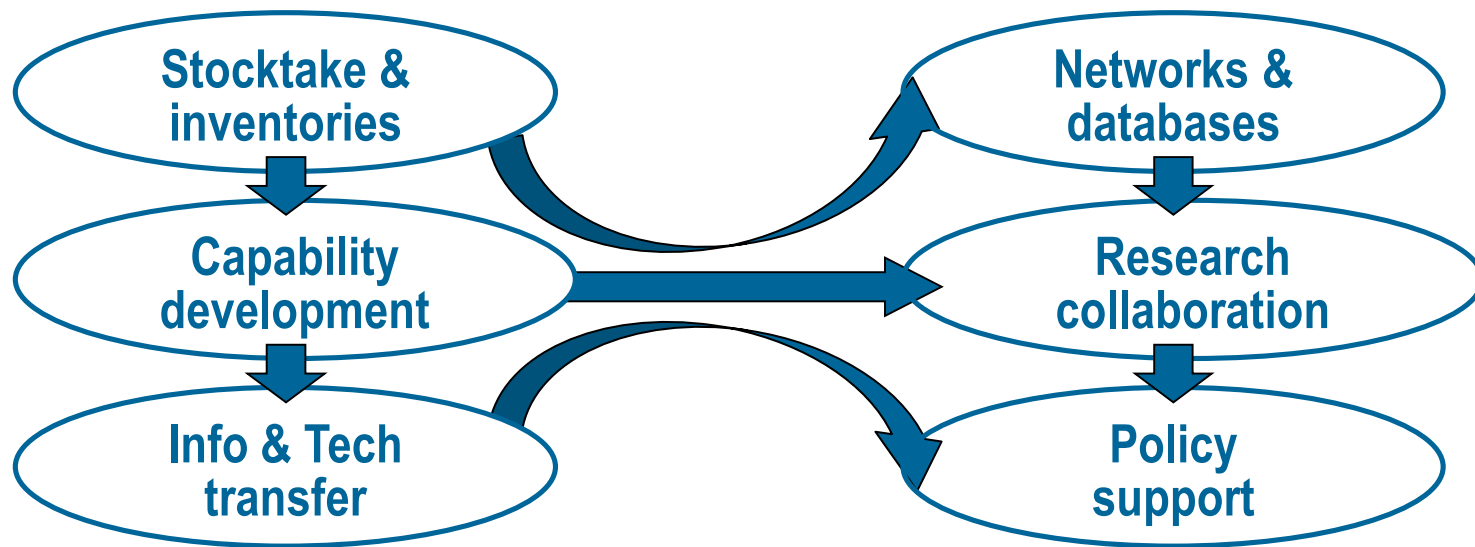
Common understanding

Concerted actions

Stocktake and inventories

- Key first step for new networks
 - Carbon sequestration
 - Farm and regional-scale
- Import to update and refine in pre-existing networks
- Inventories of projects and willing experts supports collaboration, leveraging resources, and networking

General Research Group Activities for Reporting



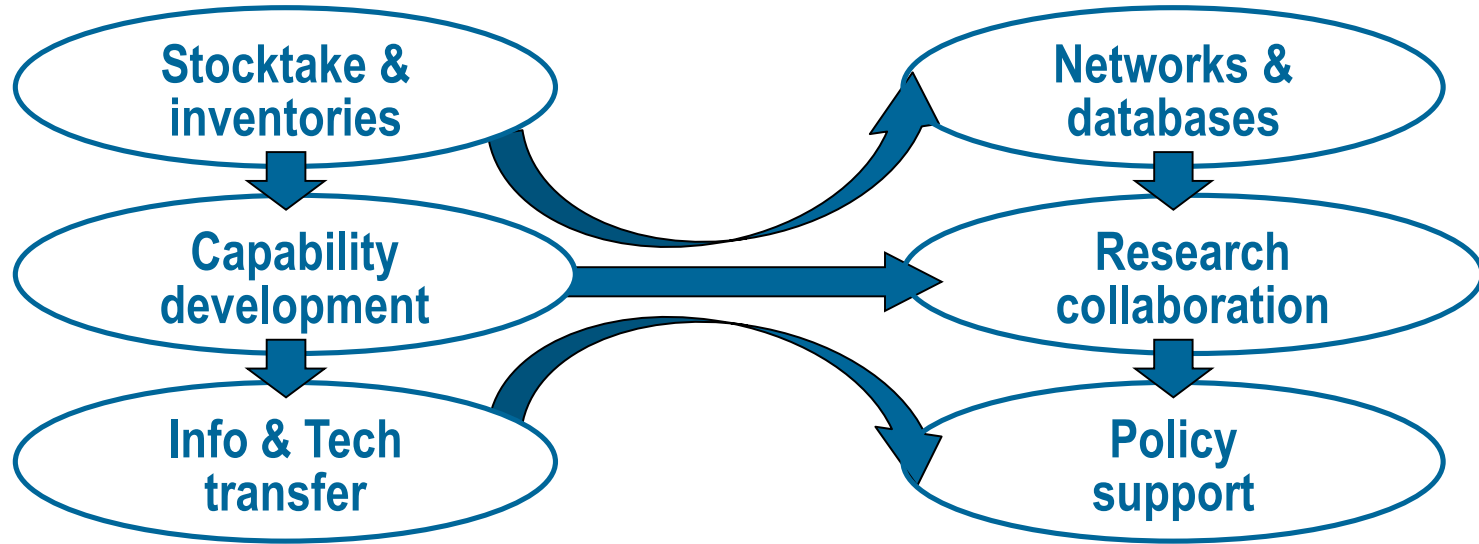
Common understanding

Concerted actions

Databases and Networks

- Global databases of studies, data sets, methods, tools, etc. are important products that IRG is well positioned to contribute
- Facilitate the connecting of experts into formal and informal networks to address opportunities

General Research Group Activities for Reporting



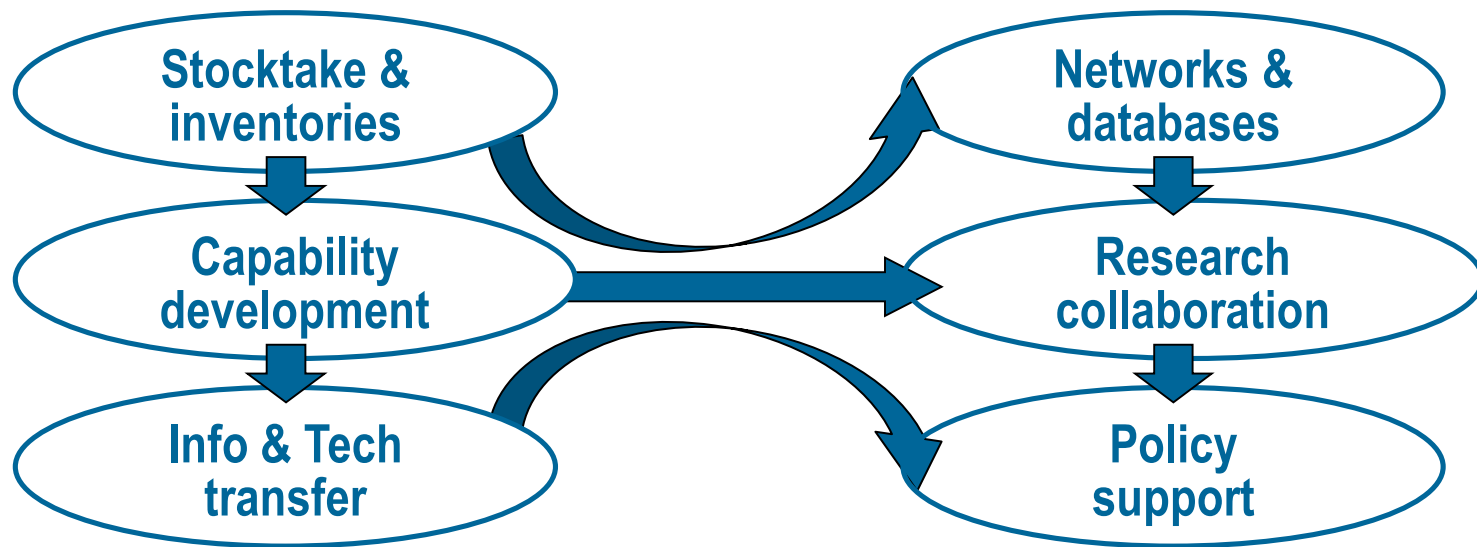
Common understanding

Concerted actions

Capability Development

- Field- and farm-scale modelling networks will provide information on use, appropriateness, data needs, and operational requirements of models
- Guidance and experiences for GHG inventories
- Methodologies for monitoring emissions and land quality
- Training opportunities for inventories, modelling, and methodologies

General Research Group Activities for Reporting



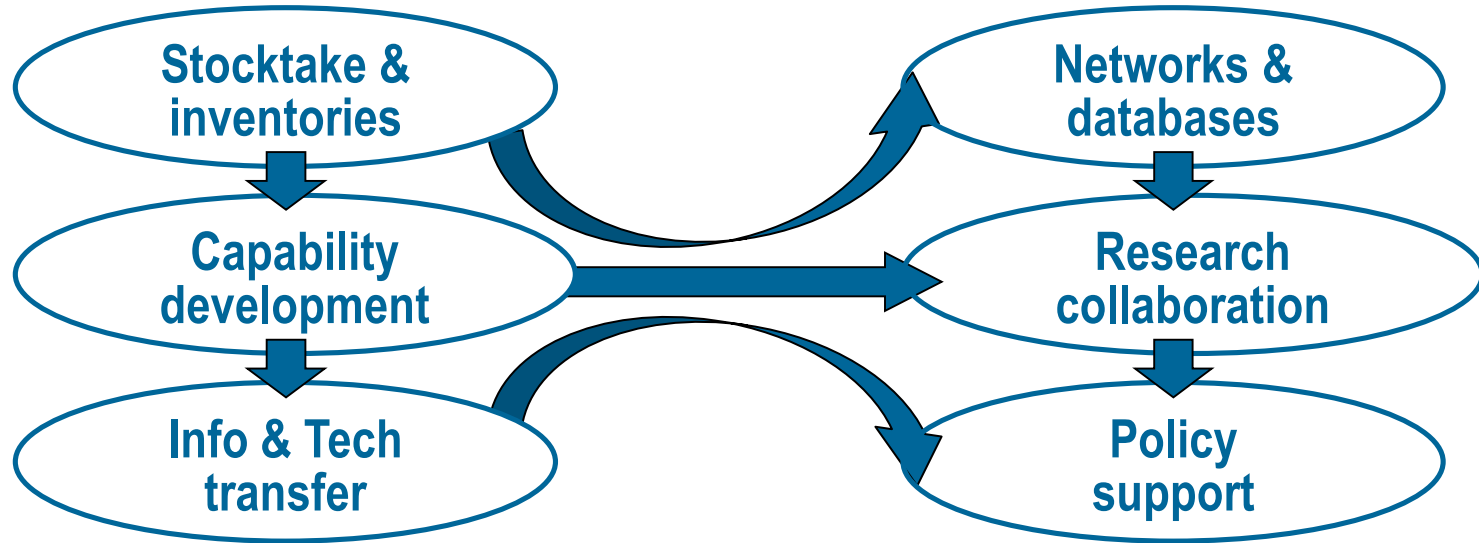
Common understanding

Concerted actions

Research collaboration and Info and tech transfer

- Important themes of GRA strategy and activities were covered in IRG contributions to achieve that strategy

General Research Group Activities for Reporting



Common understanding

Concerted actions

Policy support

- Accurate and practical models of GHG emissions across scales and farming systems provides invaluable information to evaluate mitigation and adaptation policies
 - Good inventory that accurately represents the GHG effects of farm practices and production levels provides information on how to reduce emission intensity and tracks how changing management and production is affecting GHG emissions
 - Information on management options to build soil organic matter and make efficient use of grasslands supports policy decisions to increase resilience and productivity of agricultural land
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How?

- The activities occurs in both the IRG and its networks
 - It is essential that we also collaborate, seek efficiencies, and leverage resources internally within the GRA among all the GRA Research Groups and networks
- Meeting the strategy depends entirely on the size of contributions, especially human resources (time), from Members
 - Share workload to develop better projects that attract resources and effectively meet the objectives of GRA Members
 - A portion of contribution is needed to support effective and efficient Group and Network operation (hosting, connecting, strategizing, planning)