

# Round table: Report back from the Netherlands

LRG meeting Uruguay 1-2 november 2012

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# 1 Current and planned projects; division as with networks

- Manure management
- Animal nutrition
- Genetics and genomics
- System integration and on-farm application



# Manure management

- NL specific N<sub>2</sub>O emission factors following the application of manure (type, method, season)
- Monitoring GHG emissions from big manure treatment installations
- NL specific CH<sub>4</sub> and N<sub>2</sub>O emission factors for livestock housing systems? Of afgerond?
- Manure management improvement program ; see collaboration opportunities



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# Animal nutrition

- Public /private/partnership: Feed 4 food

- Program Low emission feed;

Methane emissions dairy cattle: mode of action nutritional measures

Methane inhibitors additives vivo

Mitigating GHG in practice dairy cattle

- Carbon feedprint



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# Genetics and genomics

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- public/private/partnership: Breed 4 food
- Improving resource use efficiency in cattle, pigs, poultry
- Evaluating effect of breeding using LCA
- New traits for feed efficiency  
(10.000 cows feed intake, CH4 production)



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# System integration and on-farm application

- Animal Change FP7-EU
- Cows and Opportunities;  
dairy cattle farms; see newsletter LRG
- Farmers & Climate  
crops, pigs and poultry farms
- Macsur JPI-FACCE



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## 2 Proposal for international cooperation

- Manure Management Group (MMG) reporting tomorrow
- Workshop in Rome September together with FAO Livestock dialogue
- Decided to start new program: Manure Management Improvement Program
- Members of MMG participate; invitation to you to join



# Manure management improvement program

- Strategic goal
  - Improved manure management (storage and application) to improve food security and reduce environmental impacts
- Operational goals
  - Inventory of current manure management and technical options for improvement
  - Action plans for public private cooperation
  - Improved knowledge of stakeholders on manure management





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# Knowledge: the manure kiosk (a service project)

- Inventory of
  - Manure management practices in the field (mapping in GIS)
  - Policies and institutional frameworks (literature, mapping)
  - Current projects and technology (literature)
  
- Match supply and demand
- Capacity building



# Pilot projects within MMIP

- Identify potential areas and stakeholders to define improvement projects
  
- Projects can phase stages or focus on stages (depending on the local situation)
  - Starting/Increasing awareness
  - Identifying solution options
  - Realizing solution options
  
- Stakeholder involvement is essential
  - In kind, personal involvement
  - In cash, supporting investments and labour

