Knowledge Network on Sustainable Intensification (KNSI)

The context of the Netherlands

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1. Describe any existing (formal or informal) national SI networks and national funding for them (if in place).

- **There is no specific SI network in the Netherlands**

But,
- **SI is one of our research strengths & priorities**
- **We have many partnerships in our knowledge chains**

2. Describe the SI community in your country and how it relates to a network.

- Dutch agricultural innovation system involves a wide range of actors who enable, guide, fund, perform, implement, inform and facilitate innovation

- Dutch triangle approach: *public – private – research & education*

- Key SI players in the Netherlands are
  - ✓ Top sectors (government, business, research)
  - ✓ Netherlands Organisation for Scientific Research
  - ✓ Universities
  - ✓ Applied research institutions
  - ✓ Borderless network (education, research, government, business)

3. What are the SI research (and funding) 1. strengths and 2. priorities for your country?

- Integrated systems/chain approach
- Quantitative approaches
- Multidisciplinary collaboration
- Public – private partnerships

- A robust and resilient food system (security, health, quality)
- Developing and assessing metrics and indicators (e.g. yield gaps, RUE, emissions) through the use of models and databases
- Taking into account:
  - natural capital, biodiversity
  - plant and animal diseases, antibiotics, animal welfare
- ICT, big data and precision farming

- FROM KNOWLEDGE TO INNOVATION (IMPACT!)

4. What would you like to get from the Knowledge Network?

- **Insight into EU SI research community**
- **Creating synergies & opportunities for long term collaboration & funding**
- **Proactively defining the research agenda**
- **Connection between research & policy to increase impact of SI insights**
- **Mutual learning & good practices on** *national research programming knowledge dissemination & impact*

5. What would you like to see the KNSI achieve at the European level (short term and longer term)?

In addition to the previous slide:

- Alignment of research efforts & efficient use of public funding, e.g.:
    - Knowledge of trade-offs between productivity, RUE and environmental impact
    - Network of on-farm prototyping activities
- Establishing a shared SI knowledge base for EU national and EC policy
- An easy accessible knowledge base
- Providing SI policy advise to FACCE GB on
    - *FACCE's own SRA & IP*
    - *on policy developments EC (e.g. FNS)*