



Knowledge Network on Sustainable Intensification (KNSI)

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

Network: Bioeconomy reference group

Project Examples:

A: Tech Approach: 'Future Cropping' project 2015-2018 industry, universities, advisory services. EUR 13,5 mill (IF)

- Aim to increase productivity and quality while reducing env impact by means of spatially differentiated cultivation
- Data platform and technologies

B: : Cross-disciplinary 'DNMARK' Alliance 2013-18

- Sustainable N Management. EUR 5 mill (IF)
- Municipalities, utilities, universities, farmers assoc
- Agroecological, landscape level;
- Aim to identify novel approaches to sustainable N use

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

- At national level 'more for less' thinking pervasive: Ex: '20% increase in agric production with reduced env footprint over last decades'
- Cooperation research – farming – authorities – regulation traditionally strong across spectrum
- But: Relative consensus about direction eroded over past decade owing chiefly to uniform input (N) regulation not seen as optimal (quality and productivity)

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

2016 'Agricultural Package' removes 'one-size (below economic optimum)- fits – all' nutrients emission regulation - replaced by spatially differentiated management and new nutrient and pesticide regulatory regime

Research priorities incl:

- Platform tech, aggregate data, N turnover data, crops, IPM strategies, nutrient movements, drainage measurements, intelligent irrigation systems, soil nutrient reserve optimization, wetlands etc

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

- Alignment of DK initiatives, synergies
- Learn from/contribute to peers who face similar framework and farming conditions

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

- More focus on spatially differentiated approaches at EU level (limited, despite SCAR recommending it as tool for S.I.);
- Beyond spatial differentiation: conceptually develop S.I.

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