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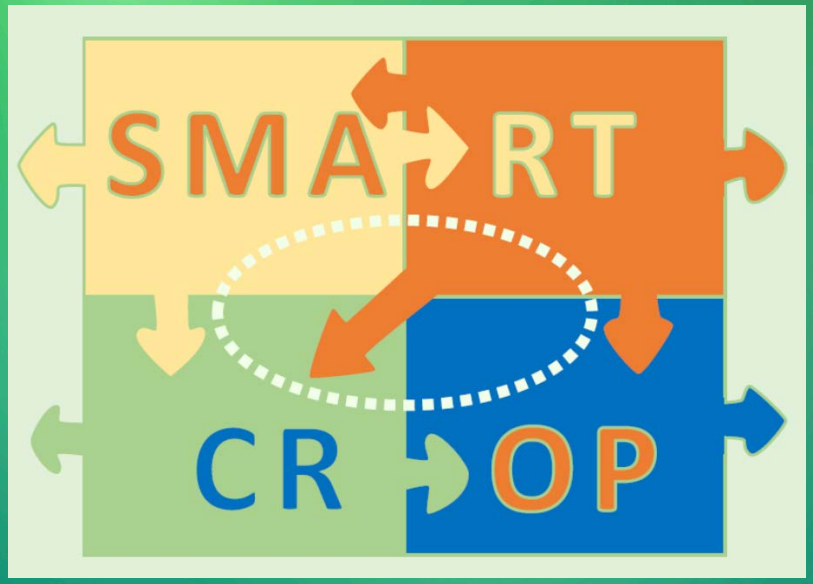


– Innovative approaches and technologies for Integrated Pest Management (IPM) to increase sustainable food production

A big national IPM initiative Funded by The Research Council of Norway (2015-2019)

- **Primary objective:** Innovative tools, approaches and policy instruments to increase adoption of IPM strategies for a sustainable and financially viable food production
- **Secondary objectives:**

1) Innovative methods for alternative control of plant pests to provide farmers with novel environmentally and financially viable IPM tools

2) New knowledge on the effects of IPM strategies on yield, profitability, pest- and natural enemy situation and environmental risk of pesticides for selected crops

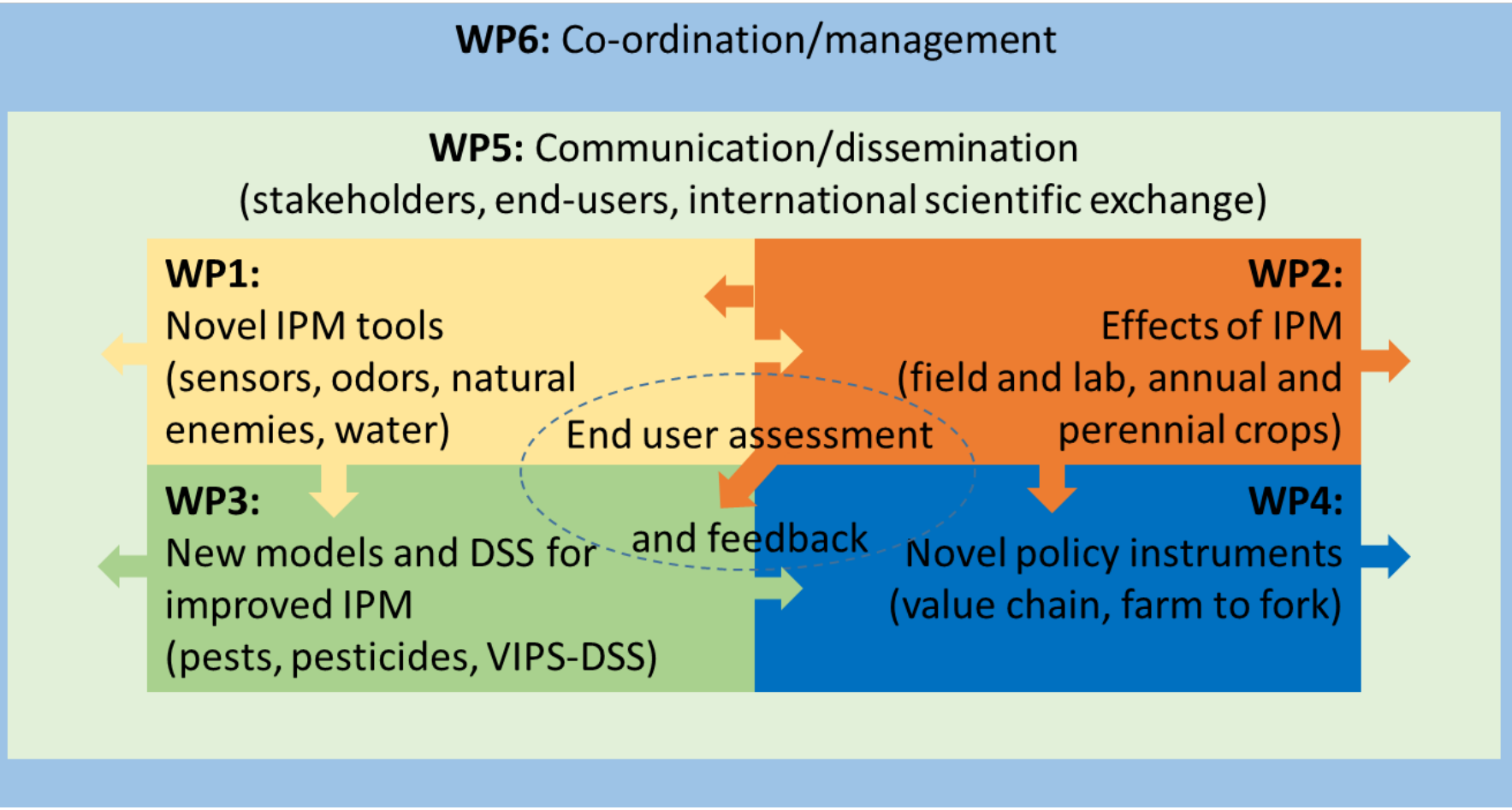
3) Holistic models and forecasting system for smarter crop protection choices, and reduced risk and impact on natural enemies and the environment

4) Stakeholder and end-user involvement for continuous evolvement of strategies and solutions for IPM

5) Identification of consumers', wholesalers' and retailers' affiliation with IPM products and policies

6) Suggest policy instruments for increased adoption of innovative IPM strategies

SMARTCROP WORK PACKAGES (WPs)



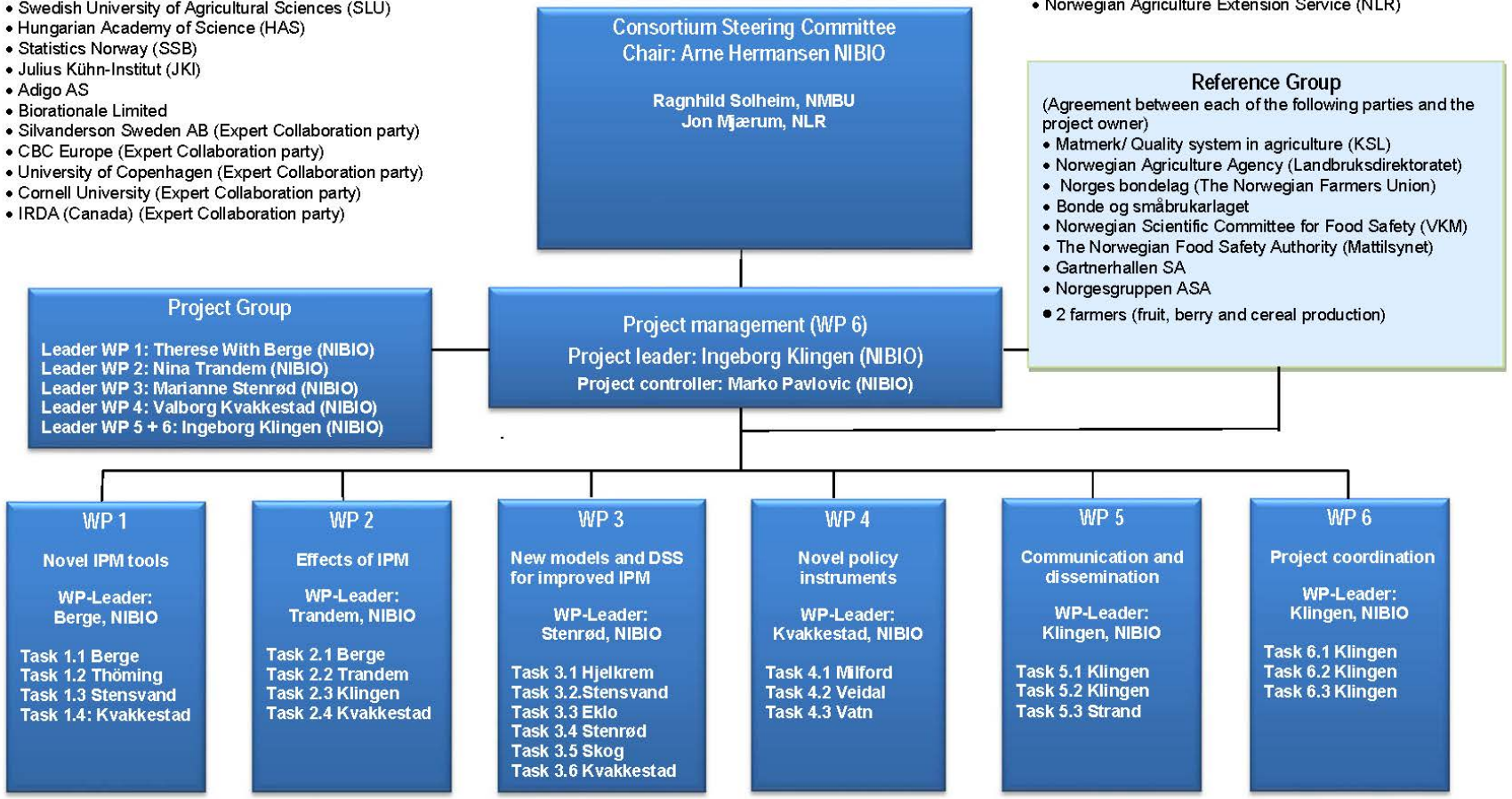
SMARTCROP WORK PACKAGES, TASKS AND LEADERS

SMARTCROP project leader: Ingeborg Klingen	WP and task leader
WP1: Innovative IPM tools	**Therese With Berge**
WP1.1 Sensor-based weed harrowing in cereals	Therese With Berge
WP1.2 Combine odors and natural enemies	Gunda Thöming
WP1.3 Effect of water on pests and beneficials	Arne Stensvand
WP1.4 End users continuous assessment of suitability of tools	Valborg Kvakkestad
WP2: Effect of different IPM practices	**Nina Trandem**
WP2.1 Field trials for demonstration & research annual crops	Therese With Berge
WP2.2 Field trials for demonstration & research perennial crops	Nina Trandem
WP2.3 Lab studies on interactions	Ingeborg Klingen
WP2.4 Assessment of IPM practices and end-users' continuous feedback	Valborg Kvakkestad
WP3: Develop and implement new models	**Marianne Stenrød**
WP3.1 Develop new simulation models for selected pest-pest-natural enemy complexes	Anne-Grete Roer Hjelkrem
WP3.2 Refine existing apple scab model	Arne Stensvand
WP3.3 MACRO, a pesticide fate model adapted for winter conditions	Ole Martin Eklo
WP3.4 SYNOPS, a web-based tool for environmental risk assessment	Marianne Stenrød
WP3.5 Implement selected models into an existing web-based forecasting system	Tor-Einar Skog
WP3.6 Involvement of end users to assess the suitability of the web-based forecasting system	Valborg Kvakkestad
WP4: Innovative policies for a persistent adoption of intensive IPM	**Valborg Kvakkestad**
WP4.1 Consumer, wholesaler and retailer attitudes to IPM	Anna Birgitte Milford
WP4.2 Policy instruments for increased availability of IPM tools	Asbjørn Veidal
WP4.3 Suggestions for innovative policy measures	Arild Vatn (NMBU)
WP5: Communication with stakeholders and dissemination of results	**Ingeborg Klingen**
WP5.1 Participation of and communication with stakeholders and end-users	Ingeborg Klingen
WP5.2 International dissemination and exchange of personnel	Ingeborg Klingen
WP5.3 Project web-site with project activities and results	Einar Strand (NIBIO/NLR)
WP6: Project coordination	**Ingeborg Klingen**
WP6.1 Coordination and consortium management	Ingeborg Klingen
WP6.2 Financial management	Ingeborg Klingen
WP6.3 Annual- and final report	Ingeborg Klingen

SMARTCROP PROJECT ORGANIZATION

Project collaboration parties:
(Collaboration agreement between the project owner, on behalf of the consortium, and the following parties)
- ESALQ University of São Paulo (USP-ESALQ)
- University of Cambridge
- Swedish University of Agricultural Sciences (SLU)
- Hungarian Academy of Science (HAS)
- Statistics Norway (SSB)
- Julius Kühn-Institut (JKI)
- Adigo AS
- Biorationale Limited
- Silvanderson Sweden AB (Expert Collaboration party)
- CBC Europe (Expert Collaboration party)
- University of Copenhagen (Expert Collaboration party)
- Cornell University (Expert Collaboration party)
- IRDA (Canada) (Expert Collaboration party)

CONSORTIUM PARTNERS:
(Consortium agreement between the following partners)
- NIBIO, Norwegian Institute of Bioeconomy Research
- Noragric, Norwegian University of Life Science (NMBU)
- Norwegian Agriculture Extension Service (NLR)



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