



Vlaanderen
is landbouw & visserij

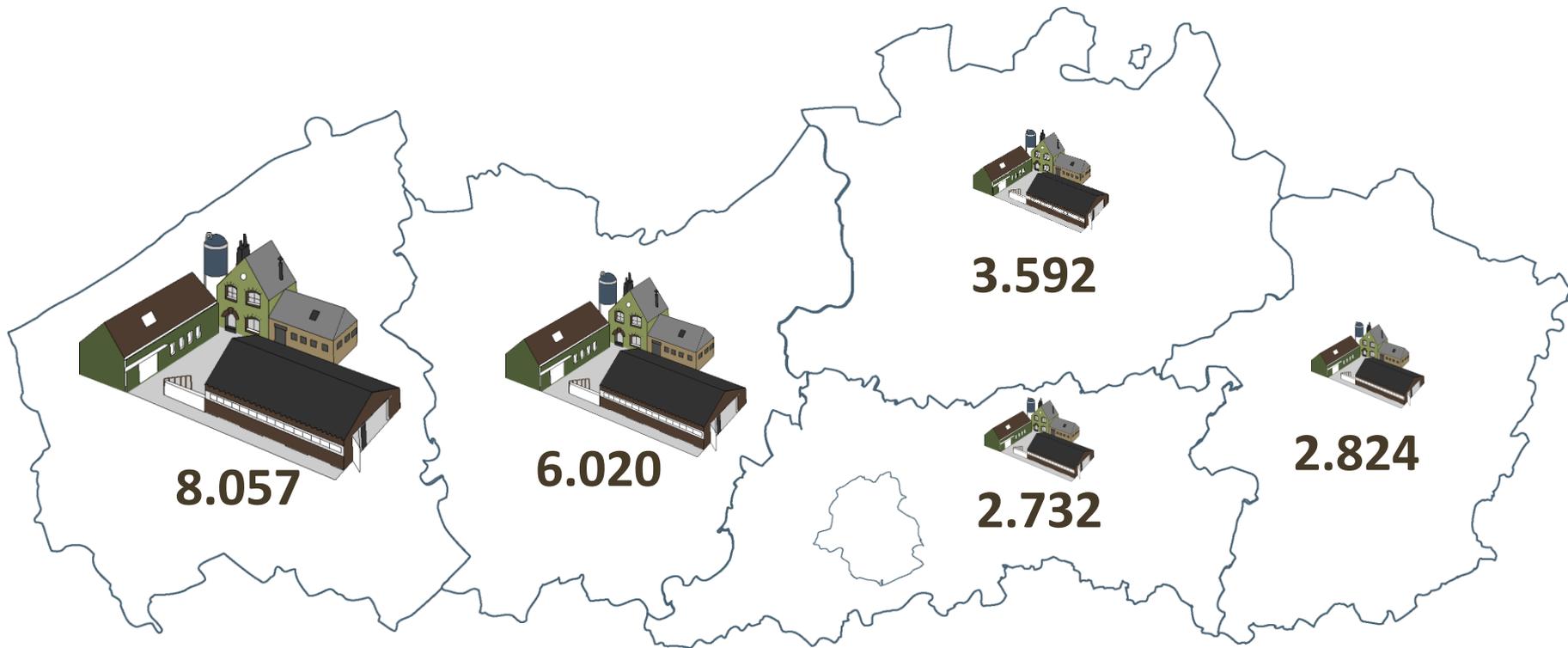
Agricultural Knowledge and Innovation System in Flanders

Els Lapage, Department of Agriculture and Fisheries

SCAR-AKIS, Brussels, 30-31 October 2018

DEPARTEMENT
LANDBOUW
& VISSERIJ

Users of agricultural research results in Flanders - 2017



Total number of farms: 23.225

Total area of cultivated land: 610.971 ha

Actors

Platform for Agricultural Research

Coordination committees

Practical research stations

Agrolink Flanders



Characteristics of the Flemish AKIS

- ▶ **Open knowledge system, with emphasis on knowledge transfer**
- ▶ **Strong involvement of the public and private sector**
- ▶ **Layered structure (regional and provincial involvement)**
- ▶ **Broad range of expertise (topic, type of research) - Scattered expertise**
- ▶ **Farmers as final customer**
- ▶ **Open approach**
 - Only thematic calls for demonstration projects and EIP
 - Priority themes in White Paper
- ▶ **Financing not matched**



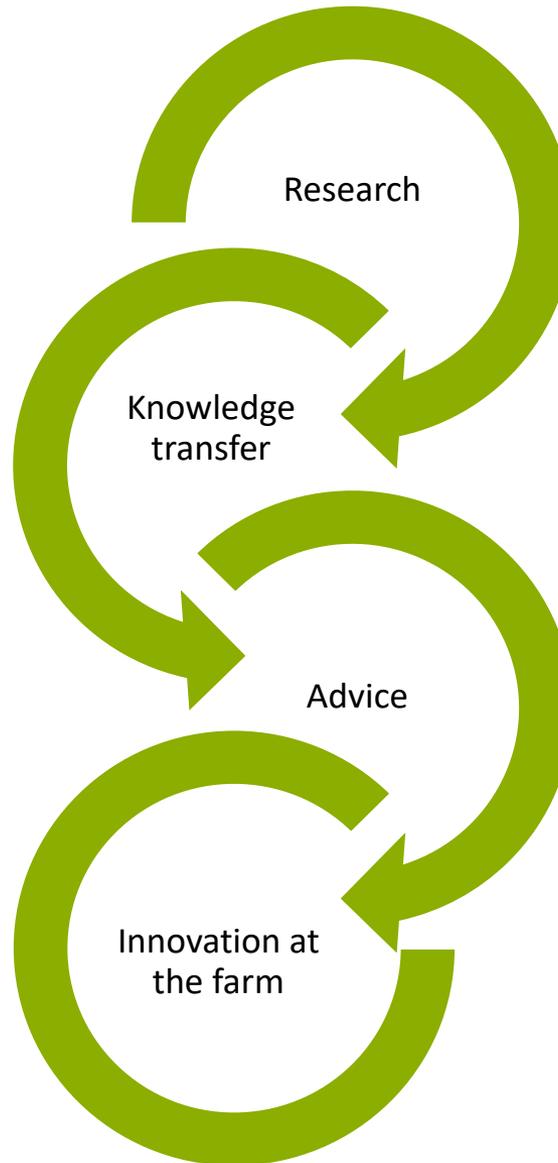
Funding measures – Flemish Government

- Funding ILVO
- Operating grant for practical research
- Investment support practical research
- Extension service Department
- Warning systems pests and diseases
- LA-trajectories
- **Demonstration projects**
- Bio-bedrijfsnetwerken
- Coordination Center Information and Guidance for sustainable Fertilization (CVBB)
- Fund Agriculture and Fisheries
- Coordination of applied research and extension on organic farming (CCBT) – projects and basic funding
- **CMO – cluster research**
- Organic farming projects
- **EIP operational groups**
- **Vocational training**

- **EIP operational groups**
- **VLIF innovative investments**
- Fund Agriculture and Fisheries

- Funding ILVO
- Operating grant practical research
- Investment support practical research
- LA-trajectories
- Organic farming projects
- **CMO – cluster research**
- Coordination of applied research and extension on organic farming (CCBT) - projects
- Fund Agriculture and Fisheries

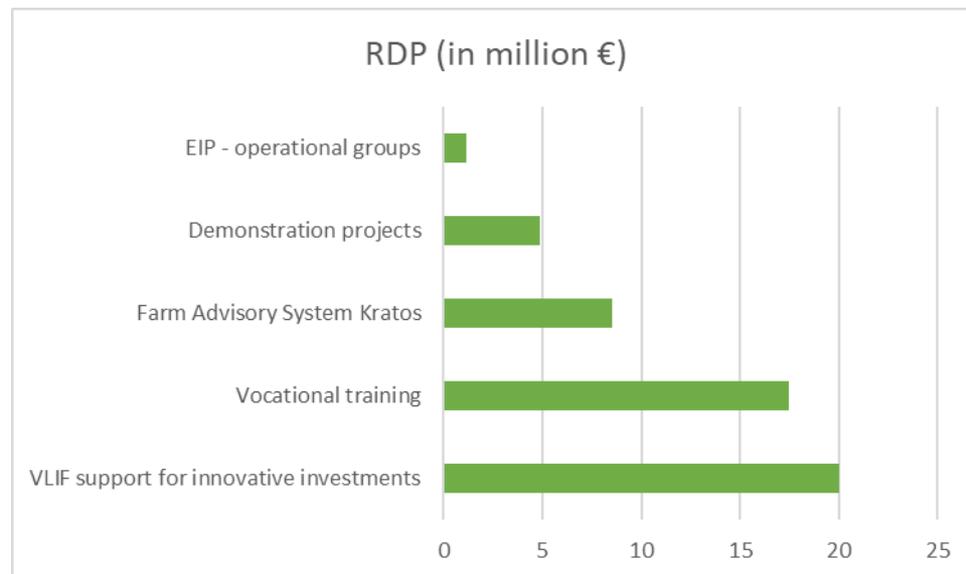
- **Farm advisory system Kratos**
- Farm advisory system organic farming
- Coordination Center Information and Guidance for sustainable Fertilization (CVBB)



Vlaanderen
is landbouw & visserij

RDP-support for on farm innovation

- ▶ **Support to operational groups in the framework of EIP**
- ▶ **Demonstration projects**
- ▶ **Advice by farm advisory services KRATOS**
- ▶ **Support for innovative investments in agriculture (VLIF)**
- ▶ **Vocational training in agriculture**



EIP – Operational groups

▶ **Characteristics of the measure**

- Support to the establishment and functioning of operational groups (no overhead and investments)
- One call a year
- Option to specify themes/elements in the call
- Subsidy: 90% of the acceptable costs
- RDP-measure aimed at Flemish beneficiaries but collaboration with other countries is not excluded

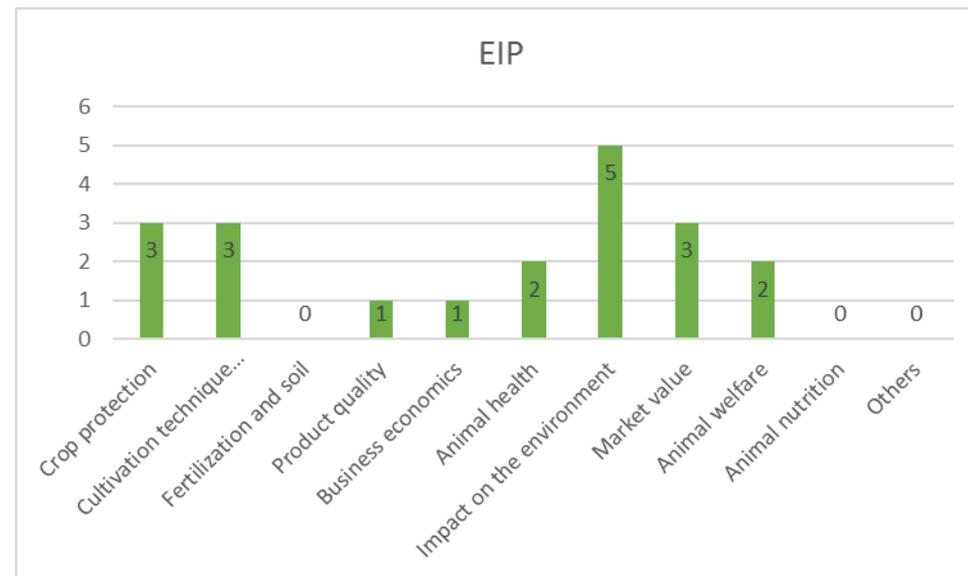
▶ **Specific actions cross-border**

- Exchange with neighbouring countries
 - × Thematic network events in the Netherlands: exchange between Flemish and Dutch OGs
 - × Exchange Germany - Flanders

EIP – Operational groups

- ▶ **2 calls in 2016 and 2017**
- ▶ **Call 2018: selection ongoing**
- ▶ **20 operational groups**
- ▶ **Most important themes**

- Impact on the environment
 - × Emissions from cattle housing
- Crop protection
- Cultivation technique
 - × Precision farming
- Market value



EIP – Operational groups

► Impact and results

→ Quick wins

→ OGs = initiators of research projects

× specific research questions arisen in the OG become the subject of new large research projects

→ OGs link with ongoing EU or other research projects

× Actors are contacted by interested actors

→ Spill-over effects

× not only to farmers but also other players in the agricultural system and beyond (buyers, construction companies, health sector,...) get interested

Farm advisory system KRATOS

- ▶ **Aim: to offer farmers concrete advice tailored on their company**
- ▶ **Advice by external/private advisory services**
- ▶ **Selection via public procurement**
 - For each module the content/format of the advice is fixed
 - No room for open advice questions
 - Limited number of advisory services and limited number of research centers involved
 - => Knowledge flow from research is delayed
 - => The system does not encourage innovation
- ▶ **Free advice for all CAP-active farmers**
 - + Easily accessible – on-line application
 - + Farmer should not pre-finance
 - - Farmer is not very critical of the quality of the advice



Farm advisory system KRATOS

► 14 advisory modules

- Module 1: Business plan
- Module 2: Economic Advice
- Module 3: Cross-compliance system
- Module 4: Greening
- Module 5: Biodiversity
 - × **Module 5A: Agri-environmental actions in relation to biodiversity**
 - × Module 5B: Conservation objectives Natura 2000 – Reducing Nitrogen deposition
 - × **Module 5C: Link with agro-ecosystem**
- Module 6: Climate
 - × **Module 6A: Agro-environmental climate actions with regard to climate**
 - × Module 6B: Energy
- Module 7: Water
 - × **Module 7A: Integrated crop protection IPM (Integrated Pest Management)**
 - × Module 7B: Water: KRW (European Water Framework Directive)
- **Module 8: Soil**
- Module 9: Occupational safety
- **Module 10: Technical advice processing primary agricultural products (food)**

Total number of advices 2017-2018:
1.644 for 916 farmers

Vocational training

- ▶ **Recognized centers for vocational training**

- 4 general centers

- 30 regional centers

- ▶ **Courses, short training and traineeships**

- ▶ **Support**

- Lump sum per hour

- × for the teacher and

- × for the operational costs of the center

- ▶ **Strengths**

- Teachers close to practice

- Quick response to current situations and farmers' needs

Demonstration projects

▶ **Aim**

→ sensitize farmers to apply proven sustainable methods/techniques in practice

▶ **Conducted by organisations recognized for sensitization of more sustainable agriculture**

▶ **Characteristics of the measure**

→ One thematic call a year

→ Max. project duration: 2 years

▶ **Call 2018 themes**

→ Data and digitization

→ Preventive health care animal production

→ Sustainable use of water

VLIF support for innovative investments

▶ Characteristics of the measure

- Annual call
- Stimulating innovative investments in agriculture and horticulture
- 40% support
 - × Minimum investment expenditure per application = 25.000 €
 - × Maximum investment expenditure per application = 500.000 €
 - × Maximum subsidy per application = 200.000 €
- Support for innovative real estate and movable investments (buildings, installation, machinery and equipment) and costs for research, study and supervision

▶ Target audience

- Farmers

VLIF support for innovative investments

▶ **What kind of investments?**

- Animal production: systems in order to reduce emissions
- Horticulture: automation of processes, e.g. sorting, planting,...
- Arable farming: precision farming, water management

Project 'Innovation strategy'

- ▶ **adjustment of existing instruments**
- ▶ **identifying gaps and making proposals with regard to PDPO IV**



Vlaanderen
is landbouw & visserij

Thank you for listening

DEPARTEMENT
LANDBOUW
& VISSERIJ

