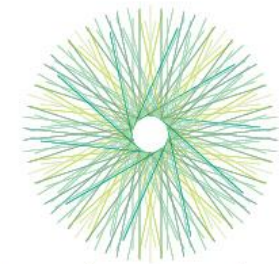


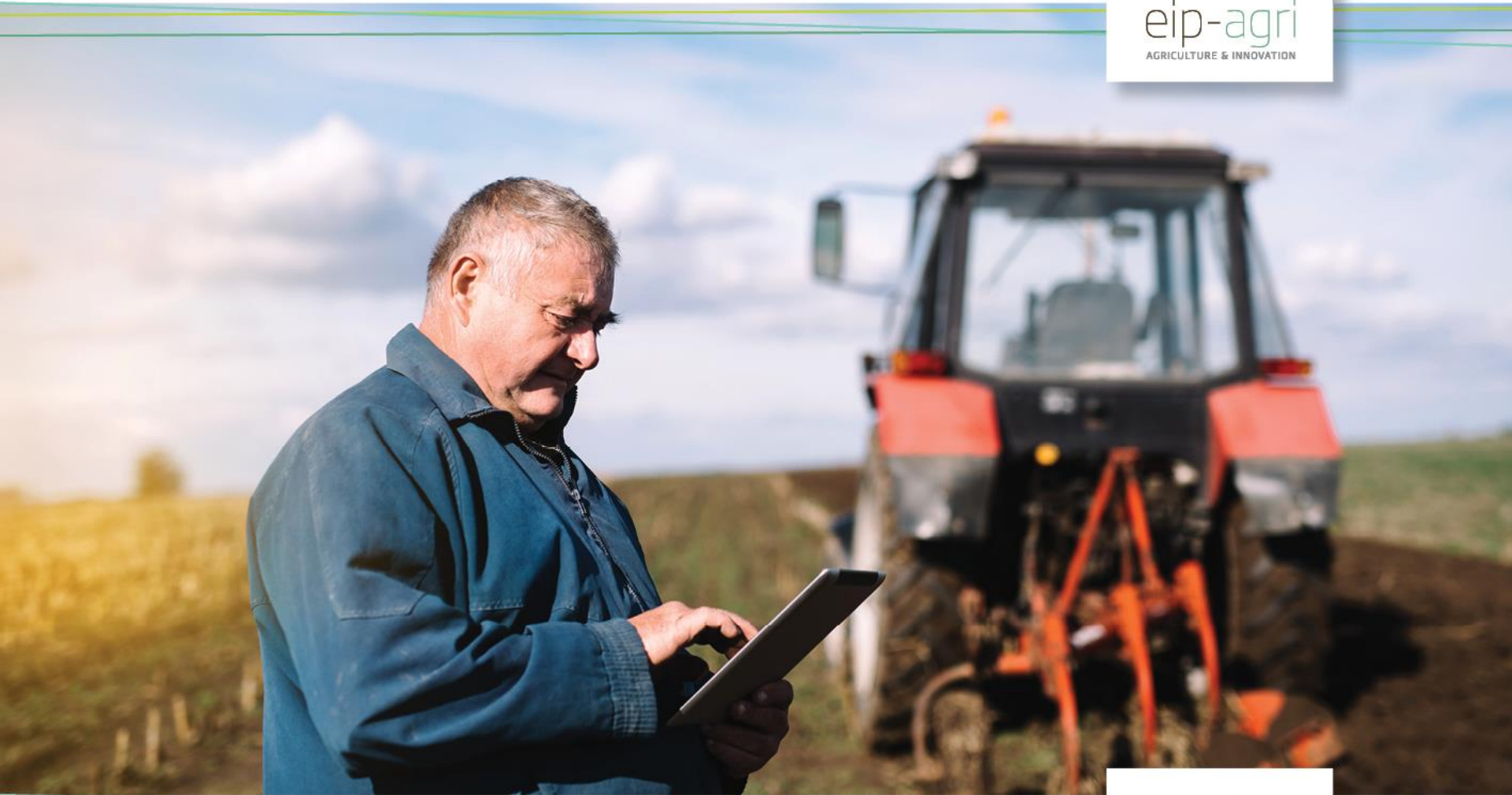
# EIP-AGRI Seminar

## New skills for digital farming

5-6 February 2020 – Aranjuez, Spain



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AGRICULTURE & INNOVATION



funded by  European Commission



# Programme

## THURSDAY 6 FEBRUARY 2020

08:15 – 08:45 Registration for day 2

08:45 – 09:10 Introduction to the day

### Session 2: How do we move forward?

#### **09:10 – 10:45 Developing skills for digitalisation: An inspirational journey**

Presentations by: *George Beers (NL), Miguel Cordero (ES), Beatrice Dingli (FR), Thomas Engel (DE), Hubert Gerhardy (DE), Lotte Ipsen (DK), Tom Kelly (IE), Gintare Kucinskiene (Lt), Hercules Panoutsopoulos (GR), Tetiana Pavlenko (DE), Jürgen Vangeyte (BE)*

10:45 – 11:15 Coffee break



# Programme

## THURSDAY 6 FEBRUARY 2020

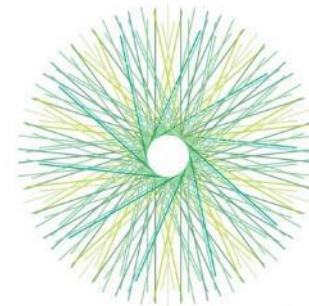
11:15 – 12:30 Tools and approaches for skills development in the farming sector: Breakout session

12:30 – 12:50 Feedback from the discussion

12:50 – 13:00 Closing of the seminar

*Kerstin Rosenow, European Commission, DG AGRI*

# Developing skills for digital farming: An inspirational journey



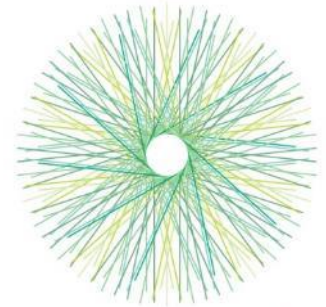
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Seminar: 'New skills for digital farming'  
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## 2. Non-formal/informal education and training: from the classroom to the field



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*Focus on peer-to-peer learning*

**One-to-one** or **many-to-many**. Boosts awareness of and confidence in modern technologies. For all skills level: students, beginners, experienced (early adopters). Mutual-learning: it bridges competences and generations.

Multi-actor approaches (such as **Operational Groups**) maximize the use of complementary knowledge, foster active participation of all from beginning to end, focus on farmers' actual needs. Ideal to involve education/training partners (methodology + spread results)

Examples:

- EIT Food, [Educating for Technology Take Off](#) (Tetiana Pavlenko)
- Erasmus+ [Wisefarmer](#), (Mihaly Csoto)
- Greece, Discussion and knowledge transfer groups – Global Sustain (Christoforos Pavalkis)
- EIP Operational Group 'Pig Health Lern Netzwerk' (Hubert Gerhardy)

# NON-FORMAL/INFORMAL EDUCATION AND TRAINING

## From the classroom to the field



**Tetiana PAVLENKO**

**EIT Food**

Educating for Technology Take Off





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EIT Food is supported by the EIT  
a body of the European Union

## **Increasing adoption of digital technologies on farms**

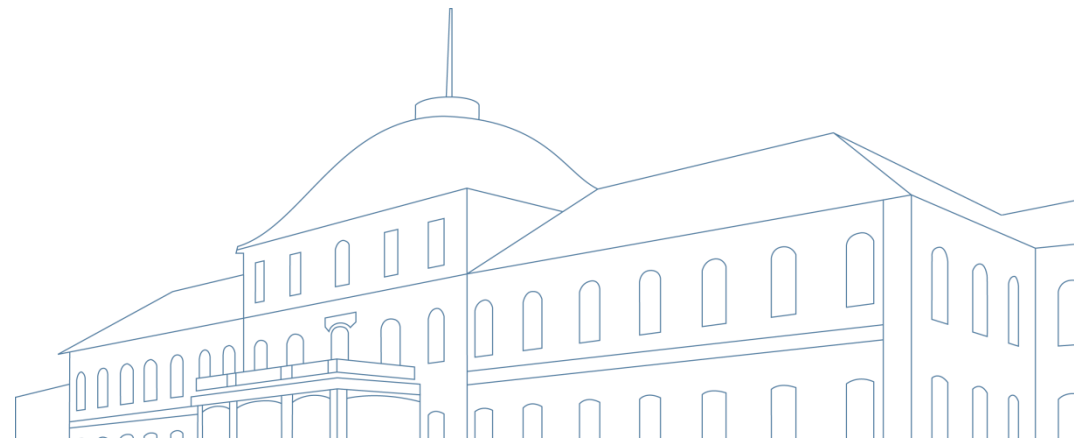
EIP AGRI Seminar 'New skills for digital farming'

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**M.Sc. Tetiana Pavlenko**

**Research Center for Bioeconomy  
Stuttgart, Germany**



# European Institute of Innovation and Technology (EIT)

Increase Europe's ability to innovate by nurturing entrepreneurial talent and supporting new ideas.

7 EIT communities including EIT Food.





## Educating for Technology Take-off - 2018

- ✓ Focusing on using student ambassadors to support farmers with technology.
- ✓ 12 students, 64 farms focusing on tractor technology (John Deere) and beef industry technology (ABP).
- ✓ Range of support methods – 1-2-1, training days, online, specialist support.



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JOHN DEERE



University of  
**Reading**



Food Group



(source: John Deere)

# Educating for Technology Take-off - 2018

## SWOT Analysis

<p><b>Strengths</b></p> <ul style="list-style-type: none"><li>Regular personal contact and farm visits</li><li>Good training programs</li><li>Contact with competent personnel</li><li>Coordination, evaluation mechanisms</li><li>Link with agricultural companies</li><li>Continuous exchange of knowledge</li></ul>	<p><b>Weaknesses</b></p> <ul style="list-style-type: none"><li>Frequent change of supervisors</li><li>Lack of time for personal contact</li><li>Difficulties in email, phone communication</li><li>Too short program duration</li><li>Poor selection of farmers</li><li>Lack of farmers' interest</li></ul>
<p><b>Opportunities</b></p> <ul style="list-style-type: none"><li>Implementation of new technologies</li><li>Time-saving due to technologies</li><li>High interest in new technologies</li><li>New relationships, improved collaboration</li><li>Data analysis</li><li>New technology as an element to strengthen business model</li></ul>	<p><b>Threats</b></p> <ul style="list-style-type: none"><li>Desire to adopt many technologies at once</li><li>A risk of misunderstanding</li><li>Farmers' loss of faith</li><li>Farmer' 'laziness'</li><li>Difficulties to satisfy farmers' expectations</li><li>Farmers' decisions made on their own</li></ul>

## Focus on Farmers - 2019

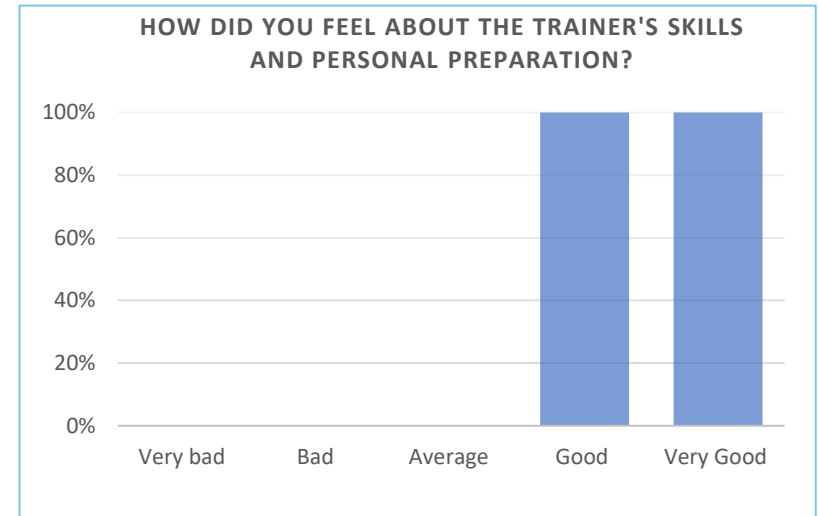
- ✓ Using students alongside technology ambassadors to support farmers with technology.
- ✓ Based on 2018, but widened to include new partners.
- ✓ Farmer engagement important.



# Focus on Farmers - 2019

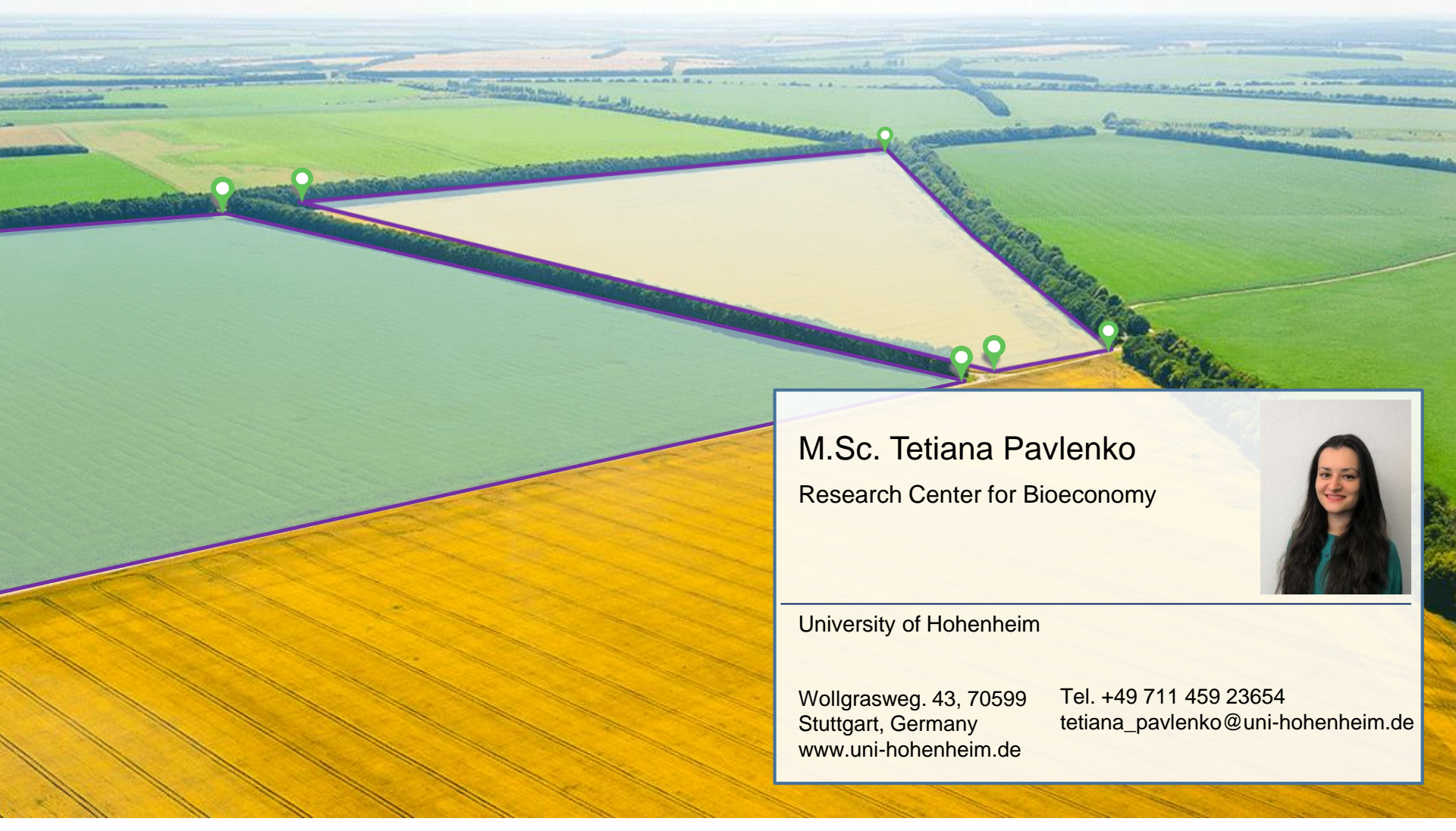
Target Value of Farmers – 1,000  
 Reported value of Farmers – 6,171

Student Ambassadors – 39  
 Farmer and Technology Ambassadors – 42





# Thank you for your attention!



M.Sc. Tetiana Pavlenko

Research Center for Bioeconomy



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