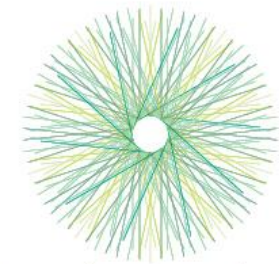


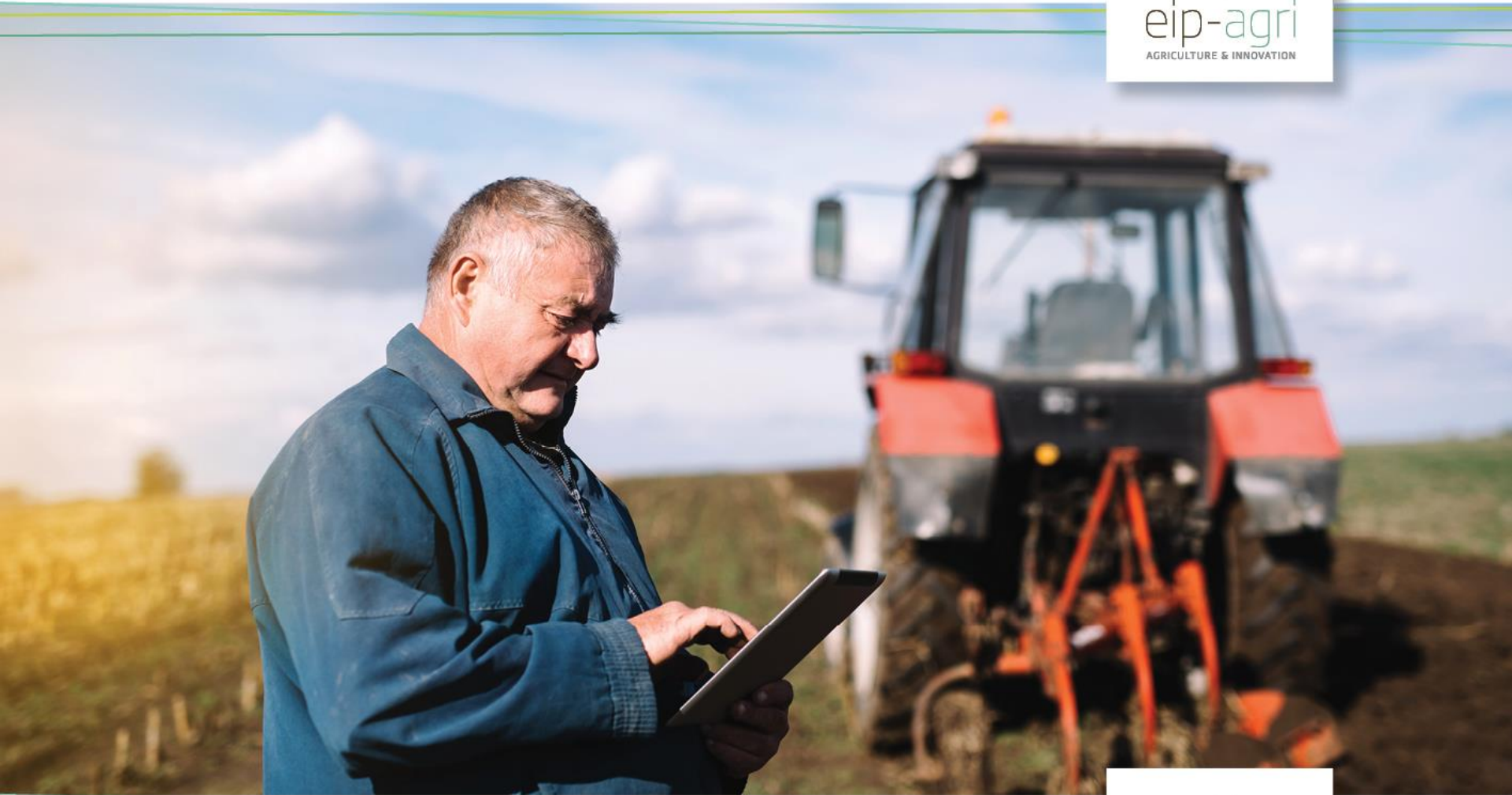
EIP-AGRI Seminar

New skills for digital farming

5-6 February 2020 – Aranjuez, Spain



eip-agri
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

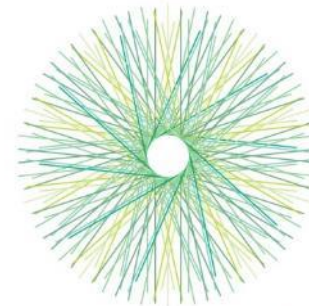
11:15 – 12:30 Tools and approaches for skills development in the farming sector: Breakout session

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



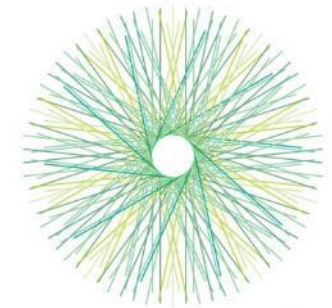
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Seminar: 'New skills for digital farming'
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1. Formal education and training: targeting future farmers



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How can classical education and training address the digital skills gap in agriculture?

Inclusion of digitalisation in **vocational education and training curricula** for (future) young farmers and advisers. Focus on basic knowledge and practical understanding of digital tools to develop a range of skills and solve farms' problems.

Pulling resources via **Erasmus+** to: improve key competences and skills, prepare for the future (digital) job, foster cooperation and knowledge exchange across Europe, and between education, training providers and others.

Examples:

- Denmark, Bygholm Agricultural College (*Lotte Ipsen*)
- Spain, Fonteboa High Secondary School (*Constante Lorenzo*)

- Erasmus + [SFATE](#) - Smart farming training for employment (*Miguel Cordero*)
- Erasmus+ [SEED](#) - Smart Entrepreneurial Education and training in Digital farming (*Sonia Mendoza*)

FORMAL EDUCATION AND TRAINING

Targeting future farmers



Miguel CORDERO
Erasmus+ SFATE
Smart farming training for
employment





Miguel Cordero

*Universidade de
Santiago de Compostela*

*Sistema de Información
Territorial*

EU Funds







- Civil UAVs Initiative
- Galician Digital Innovation Hub for Agrifood
-

Smart Farm Training for Employment (**SFATE**)

Erasmus + K2

Vocational Education Training

	Farmer
	Student
	Entrepreneur
	Teacher

To increase **skills**




To improve the CURRICULA

To have a new tool for vocational **training**

To offer a wider VET base on smart farming

To increase attractiveness

To increase the knowledge

	New jobs
	Training
	Technologies



Smart Farm Training for Employment

English Français Galego Deutsch Slovensčina Español



What technologies can I use with my knowledge?



Profile Selection



Farmer



Student



Entrepreneur



Teacher


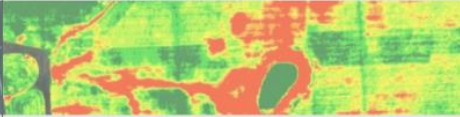
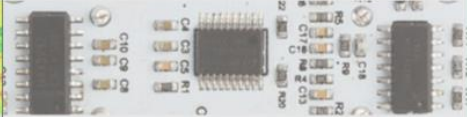



All Content



Training search

1. Smart Farming Portal

<https://www.edu.xunta.gal/centros/sfateproject/>

<p>Amazon E-Learning</p>  <p>Training duration: Several days Previous training: Farmer in Agricultural Production, Technician in Agricultural Production, Engineer in Agricultural Production Self-learning:</p>	<p>ArcGIS</p>  <p>Training duration: 6 months Previous training: Basic knowledge in GIS Self-learning: Fundamentals of SIG (esp)</p>	<p>Bachelor or MBA Sensors</p>  <p>Training duration: 3-5 years Previous training: Self-learning: More info</p>
<p>Bachelor or MBA Telecommunications</p>  <p>Training duration: 2-5 years Previous training: Self-learning: More info</p>	<p>Decrease my load of mechanization</p>  <p>Training duration: 2 days Previous training: Self-learning: Course</p>	<p>Drone License</p>  <p>Training duration: 2 hours (E-Learning) Previous training: PC knowledge Self-learning: Online Course (de)</p>



SFATE report

2. Study Report on new jobs and farm innovation

<https://www.edu.xunta.gal/centros/sfateproject/node/1420>

Adapting curricula to smart farming technologies and new job opportunities

Challenges and opportunities in main agriculture and forestry sectors at the EU level and in partner countries and regions.....	4
French Atlantic Arc regions	5
Galicia (Spain).....	6
Hesse (Germany).....	8
Slovenia	9
How can smart farming technologies meet the main challenges and opportunities in the agricultural sector?	10
Increasing EU food security.....	10
Foster growth and jobs in rural areas to counter rural population decline.....	10
Tackling environmental challenges and climate change.....	12
Smart farming employment opportunities	13
Information management systems	13
Decision support systems.....	15
Automated systems and robots	16
Training needs in agriculture/forestry training programmes.....	18

+
Focused on practical examples: Addressing the dual speed challenge between formal education and new technologies
Useful & interesting tools/results in the short run
“Smart” use of Erasmus + K2 potential: Transnational projects, focused on education and innovation development, allow for different types of partners

Dissemination:

Even with excellent actions and evaluation it is never enough

Projects vs services:

Lack of mechanism for maintenance and incorporation of results as permanent services

