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Fields - Task 2.1 Skill Gaps and Occupational Profiles

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fields

ADDRESSING THE CURRENT AND FUTURE SKILL NEEDS FOR SUSTAINABILITY, DIGITALIZATION
AND THE BIO-ECONOMY IN AGRICULTURE EUROPEAN SKILLS AGENDA AND STRATEGY - AGREEMENT 612664-EPP-1-2019-1-IT-EPPKA2-SSA-B

T.2.1 Info, Deliverables & Milestones

WP Start/end date: M12-M15

Partners involved: UNITO, CONFAGRI, ISEKI, ICOS, AERES, AP, UHOH, CERTH, ACTIA, GAIA, CONFAGRI PT, SCOOP, GSZ, LVA, UCLM, AC3A, FIAB, FDE, FENACORE, INFOR, LLL-P, ANIA, PlanetETP, EFB, PA, FJ-BLT, AFVET, CEPI, FJ-BLT

Target: look at future skill needs, the existing trainings in response to those needs, and identify gaps.

Main Objectives:

- Assess skill gaps in the bioeconomy, sustainability, and digitalisation sectors
- Create a detailed baseline of occupational profiles and skills needed in these sectors

Deliverables

- **D2.1:** Detailed baseline of occupational profiles (M15)

Analysis of skill gaps and new profiles creation

- **Methodology**

- Identification of skill needs through working groups by category (Bioeconomy, Digitalisation, Sustainability) and working sectors (Agriculture, Agri-Food, Forestry)
- Creation of occupational profiles based on ESCO criteria:

Description

Alternative label

Essential skills and competences

Essential Knowledge

Optional skills and competences

Optional Knowledge

- Review of the profiles and compilation in a reference & strategy document

Analysis of skill gaps and new profiles creation

Get inspiration ... Two profiles created so far by CONFAGRI:

1. PRECISION FARMING AND SUSTAINABLE MANAGEMENT OF CROP TECHNICIAN

(National Profile of reference: Agricultural Technician)

2. SOCIAL MEDIA MARKETING AND E-COMMERCE MANAGER IN THE AGRI-FOOD SECTOR

PRECISION FARMING AND SUSTAINABLE MANAGEMENT OF CROP TECHNICIAN

Code

Later defined by Esco

Description

The technician is responsible for the management of fruit, cereal, horticultural, herbaceous, officinal, etc. He studies how to improve agricultural production, manages sowing plans and all cultivation operations, chooses irrigation techniques and plans the harvest. Evaluate the economic aspects and environmental impact of crops, checking the use of plant protection products, fertilizers and water resources while optimizing yields, through the use of new technologies related to Precision Farming. He mainly works with an employment contract, or as a worker, within medium and large farms. In carrying out his duties, he interacts with the manager or owner of the company and with agricultural operators, performing generally managerial roles.

Alternative Label

Later defined by Esco

Regulatory Framework

To find out if and how this profession is regulated in the EU Member States, EEA countries or Switzerland, please consult the Commission's regulated professions database. Database of regulated professions: http://ec.europa.eu/growth/single-market/services/free-movement-professionals/qualifications-recognition_it

Hierarchy

Later defined by Esco

More specific professions

Later defined by Esco

Essential skills

- Adopt methods and behaviors for the ordinary maintenance of instruments, tools, equipment, machinery in the sector
- Use methods to identify levels of wear and any operating anomalies of tools and machinery in the sector
- Compare data collected and specifications received
- Use technical reports and reports on the execution of product quality controls
- Apply procedures for the management of non-conformities
- Use reports for the collection of data useful for the final balance of activities
- Assess the company's vulnerability to weather and climate changes and plan ad hoc interventions as well as quantify the investments required for implementation
- Acquire free satellite images via the web data repository
- Import and view data derived from the sampling and measurement of soil parameters
- Filter and view crop yield data
- Normalize crop yield data
- Interpolate the sampled soil data
- Interpolate crop yield data

Analysis of skill gaps and new profiles creation

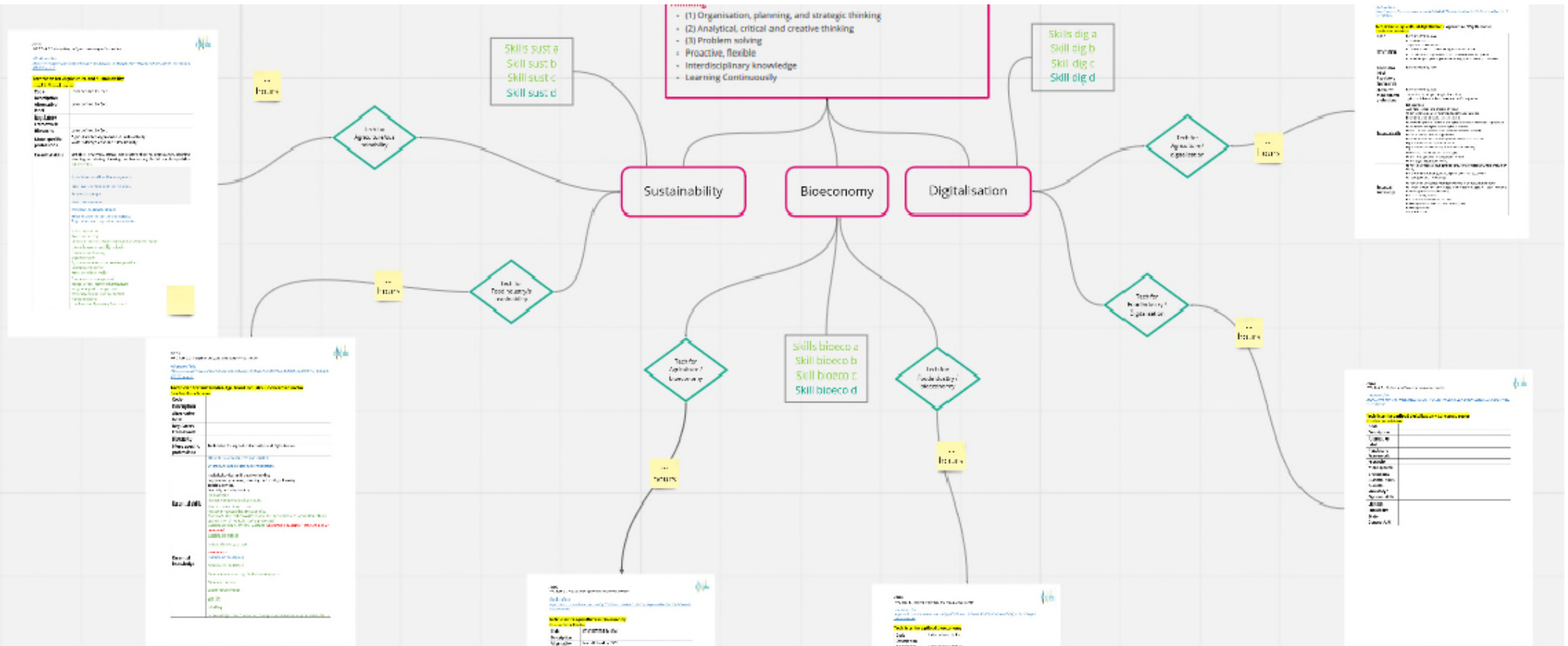
- Creation of 10 different profiles as follow:

Bioeconomy	Digitalisation	Sustainability	Forestry
3 Agrifood OP <i>Technician - EQF level 5</i>			1 Forestry OP <i>Technician - EQF level 5</i>
3 Agriculture OP <i>Technician - EQF level 5</i>			
3 transverse profiles <i>Operator - EQF level 4</i>			

Soft skills and Business Entrepreneurship skills will be at the basis of each OP

- Brainstorming on Miro Boards :
 - Selection of the suitable skills and knowledge for each OP

Analysis of skill gaps and new profiles creation



Analysis of skill gaps and new profiles creation

- Creation of 10 different profiles as follow:

Bioeconomy	Digitalisation	Sustainability	Forestry
	3 Agrifood OP EQF level 5		1 Forestry OP EQF 5
	3 Agriculture OP EQF level 5		
	3 transverse profiles EQF level 4		

! Soft skills and Business Entrepreneurship skills will be at the basis of each OP

- Brainstorming on Miro Boards :
 - Selection of the suitable skills and knowledge for each OP
 - Comparison with ESCO's existing skills and knowledge
 - Finalisation of OP descriptions
- Review the profiles
- Compile the baseline strategy document

Next Steps in the Project ...

- Selection of 3 profiles (out of 10)
- Set up of trainings for those 3 profiles : training content, pedagogical tools, *train-the-trainers* activities
- On-line and in-person tests of the trainings

Thank you for your attention!



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