### Operator for Digitalisation in agriculture, food-industry and forestry – EQF level 4

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| **Code** | Later defined by ESCO |
| **Description** | The **Operator for Digitalisation in agriculture, food-industry and forestry** intervenes at the executive level in the work process with autonomy and responsibility limited to what the procedures and methods of its operation provide. The qualification in the application and use of basic methodologies, tools and information allow him to collaborate in the management of the company and to carry out activities related to the production and protection of the environment through the application of bioeconomy procedures, with skills in carrying out fundamental operations relating to production as well as in carrying out operations in the transformation of primary products and in the use of ecological protection techniques and sustainable use of resources. He/she is also able to manage the different phases of the agri-food production process, using machines and digital tools specific to the specific fields and processing cycles with particular regard to sustainable and quality processes. |
| **Alternative label** | Later defined by ESCO |
| **Regulatory Framework** |  |
| **Hierarchy** | Later defined by ESCO |
| **More specific professions** | Later Defined by ESCO |
| **Essential skills** | Core curriculum (Module Soft-skills and Entrepreneurship) – Annex I* Practical training with job-specific machinery/equipment and their maintenance
* Use of robots/drones
* Data handling and analysis; data exchange
* Traceability;
* Weather forecast knowledge and tools
 |
| **Essential knowledge** | * Knowledge of technical principles for digital agriculture, industry and forestry; smart systems and technologies introductory aspects;
* Basic remote sensing, GPS, GIS knowledge;
* Knowledge of Management Information Systems
* Knowledge about the forestry and agri-food production chain
* Legal framework when using autonomous machinery
* Industry 4.0
* Circular manufacturing aspects
 |
| **Optional skills** | * ICT: participation in peer groups / groups of same job area
* E-commerce and e-marketing
* Controlled environment for storage, heat/cold management
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| **Optional knowledge** | * Knowledge of Decision Support Systems
* Digital entrepreneurship

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| **State** |  |
| **Concept URI** |  |



**Annex I**

**Basic Module for each occupational profile.**

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| **Units**  | **Learning outcomes** |
| **Basic knowledge** | * Definitions (soft skills, food industry, sustainability, bioeconomy)
* Job safety
* Digital learning/tools
* Basic of economic and financial issues
* English reading/understanding
* Business-/Entrepreneurship Skills in general
* Knowledge of agri-food communities
 |
| **Business planning/model** | * Innovation management and its deployment
* Project management
* Decision making
* Time management
* Business planning
* Sales and Marketing
* Cooperatives
* Agri-food law, quality, safety and certification
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| **Social & Communication** | * Public speaking
* Negotiation and conflicts
* Food chain cooperation
* Staff working/networking
* Reporting and briefing
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| **Thinking** | * Organisation, planning, proactive, flexible, and strategic thinking
* Problem solving
* Interdisciplinary knowledge
* Learning Continuously
* Analytical, critical and creative thinking
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