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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

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Erasmus + Sector skill alliance blueprint

- **Lot 3 - Sector Skills Alliances for implementing a new strategic approach (Blueprint) to sectoral cooperation on skills:** This strategy has to lead to systemic and structural impact on reducing skills shortages, gaps and mismatches, as well as ensuring appropriate quality and levels of skills to support growth, innovation and competitiveness in the sector. The sectoral skills strategy must include a clear set of activities, milestones and well-defined outputs with the goal to match demand and supply of skills to support the overall sector specific growth strategy.

Specific blueprint sector: Bio-economy, new technologies & innovation in agriculture

- Agricultural sustainability, management of natural resources and climate action
- Digital technologies, digitalization, big data and artificial intelligence
- Bio -economy, circular economy and bio-based products

- Duration Project 4 years
- Funding 4 mil EUR

FIELDS partners & countries



30 partners from 12 countries

CONFAGRI, SCOOP, CONFAGRI pt, GSZ, ICOS, AC3A, CEPI, GAIA, FENACORE represents **agriculture and forestry sector**.

AERES, INFOR, WUR, UNITO, UHOH, UCLM, PA, AP, FJ-BLT, LVA, EFB are offering **training and services** to farmers and foresters. Two of them (UHOH and UNITO) are involved in the **Kic EIT FOOD**.

FIAB, ANIA, ACTIA, SEVT will help to involve also **food industry** in the design of the strategy and training, to make agriculture more aware of what is the demand and opportunities for sustainability, digitalisation and bio-economy from this sector.

Some of these partners (FDE, CEPI, BIC, ISEKI, EFFAT, LLL-P, EfVET, PlantETP) are **umbrella organisation at EU level**, to provide an outlook at European strategy for agriculture, forestry and agri-food industry, and link to the educational tools and standards provided by the EU.

Important support from COPA-COGECA will bring connection with stakeholders.

FIELDS partners

N°	Organisation	Acronym
1	Univeristà degli Studi di Torino	UNITO
2	Confederazione Generale Agricoltura Italiana	Confagri
3	Wageningen University	WUR
4	ISEKI-Food Association	ISEKI
5	Irish Co-operative Organisation Society	ICOS
6	Aeres	Aeres
7	AGRAR Plus Beteiligungsges.m.b.H.	AP
8	University of Hohenheim	UHOH
9	Centre for Research and Technology Hellas	CERTH
10	Association de Coordination Technique pour l'Industrie Agroalimentaire	ACTIA
11	Gaia Epicheirein	GAIA
12	Confederação Nacional das Cooperativas Agrícolas e do Crédito Agrícola de Portugal	Confagri PT
13	Cooperativas Agro-alimentarias de España	SCOOP
14	Gospodarska zbornica Slovenije Zbornica kmetijskih in živilskih podjetij	GZS-ZKŽP CCIS
15	Lebensmittelversuchsanstalt/Food Research Institute	LVA

N°	Organisation	Acronym
16	Universidad de Castilla-La Mancha	UCLM
17	Association des Chambres d'Agriculture de l'Arc Atlantique	AC3A
18	Spanish Federation about Food and Drink Federation	FIAB
19	Food Drink Europe	FDE
20	FENACORE - Spanish Irrigation Consortium	FENACORE
21	Infor Elea	INFOR ELEA
22	Federation of Hellenic Food Industries	SEVT
23	Lifelong Learning Platform	LLL-P
24	Association Nationale des Industries Alimentaires	ANIA
25	European Technology Platform "Plants for the Future" (Plant ETP)	Plant ETP
26	Engineers for Business Ipiresies Tecnologias Kai Michanikis Anonimi Etairia	EFB
27	Proagria	PA
28	HBLFA Francisco Josephinum - BLT Wieselburg / Josephinum Research	FJ-BLT
29	European Forum of Technical and Vocational Education and Training	EfVET
30	Confederation of European Paper Industries aisbl	CEPI

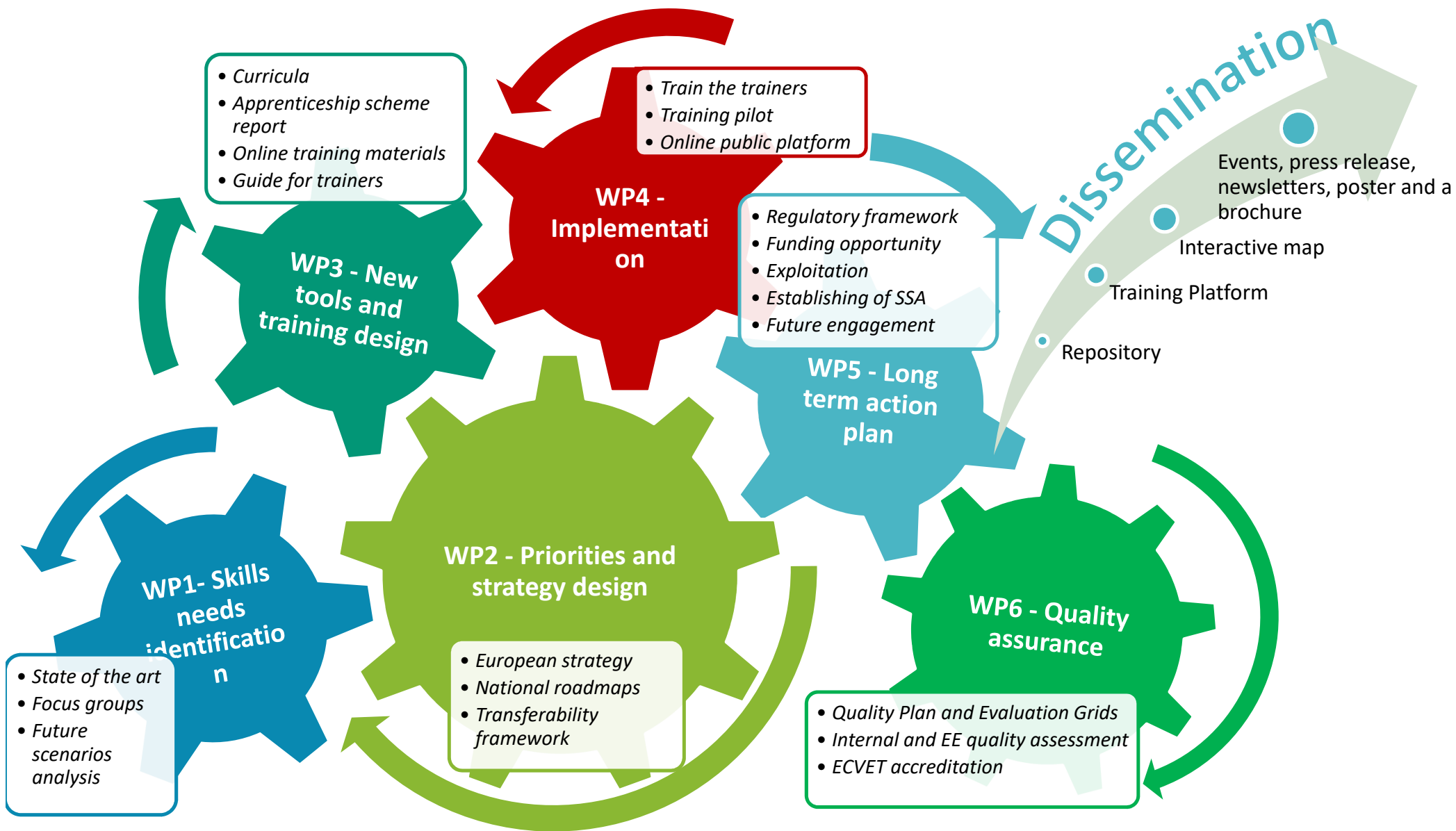
4 Pillars to promote innovation

- Innovation (available)
- **Education (training for students, farmers, consultants)**
- Entrepreneurship (business models)
- **Communication (dissemination)**

High Advisory board

- Oana Neagu, COPA-COGECA
- Gert Mejers, Nestlè, Chair ETP food for life
- Kjell Ivarsson, Swedish farmer federation
- Rob J Hamer, Unilever
- Jochen Weiss, Universitat Hohenheim, Chair Education EIT FOOD
- Rafael Mujeriego, ASERSA, Catalan Water Agency
- Andras Sebok, Camden BRI Hungary

- Invited at M13, M45



Expected results 1/4

- A growth strategy clearly defined for the involved sectors
- The state of the art of the training and education methods in the sector
- An analysis of the sector best practices in education and training
- A database of the VET providers and their palatability for partnership (30 within the first year and 90 at the end of the project)
- A detailed analysis of focus group and survey about skill gaps and needs
- Results of the scenarios analysis and its linked potential occupational profiles
- A set of 10 prioritized occupational profiles (set of skills, competences, knowledge and qualification)

Expected results 2/4

- A set of training methodologies depending on the target group
- Detailed curricula to obtain the skills, competences and knowledge for the identified occupational profiles and their related methodologies
- A framework for transferability of the curricula, an apprenticeship database and framework per country
- Full functional open source learning management system. The platform will contain materials and tools to monitor and assess learners' participation, performance and satisfaction in 7 languages.
- Complete training made of 4 modules available through the open learning platform: 1) Common skills and soft skills, 2) sustainability, 3) Bio-economy and 4) digitalization, translated and prepared for 7 countries and languages, complete training material for the trainers in 7 languages

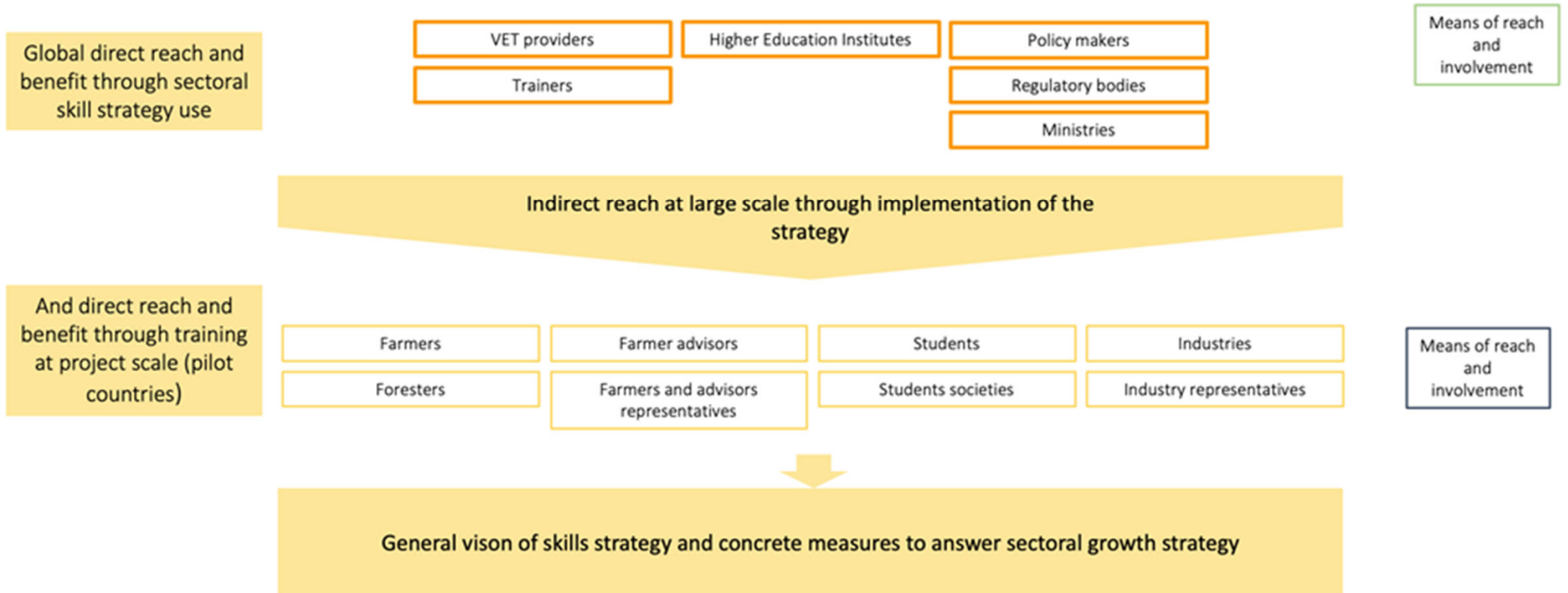
Expected results 3/4

- 12 trainers will follow the training
- 90 trainees from 7 countries will be trained during the experimentation phase.
- ECVET accreditation material for the FIELDS training when possible, following EQAVET guidelines
- European sectoral strategy for skills uptake, seven national roadmaps
- Exploitation Plan, funding opportunity report, regulatory framework
- A dissemination campaign with Google AdWords
- 1 website to communicate about the project and the training
- 20000 visitors in the home page of the website

Expected results 4/4

- 6000 leaflets will be distributed among interested people at the dissemination events, 8/10 press releases at national and European level
- 8 newsletters translated in 12 country languages and disseminated through the country network.
- At least 20 participation/organisation of professional events and conferences
- 9 posters to be presented at professional events/fairs
- Educational material will be made available in an open repository for schools and other institutions, during and after the end of the project;
- Improvement of the employability of the trainees, promotion of IT technologies in education, available on the platform, during and after the end of the project

FIELDS target groups



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Project expected impact

Regional/national scale

- On the short term, 70 trainees from the partners 'countries will be trained. The skills will allow trainees to tackle newly identified needs in the digitalisation, bio-economy and sustainability fields.
- The content created in the project, will also be made available and allow external VET providers or HEI to create content in the frame of the curricula designed by FIELDS. It is foreseen that at least 10 VET or education providers implement such course based on FIELDS curricula.

Project expected impact

European/international scale

- The availability of the content in English, will facilitate its translation for national use when needed. The expected impact on farmers and farm advisors is an awareness of the skills needed in the future and the creation of specific training in short modules to gain those skills.
- As FIELDS will spread, the online platform will host new versions of the programme in other languages. The targeted audience is very broad as the knowledge provided by the training focus on highly demanded skills identified by the project analysis.
- The Objective is to have 4 new countries within 4 years after the end of the project to follow/offer the training program.



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Thank you for the attention!

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