



LIVING LABS

da Missão Solo do Horizonte Europa: Implementação em Portugal



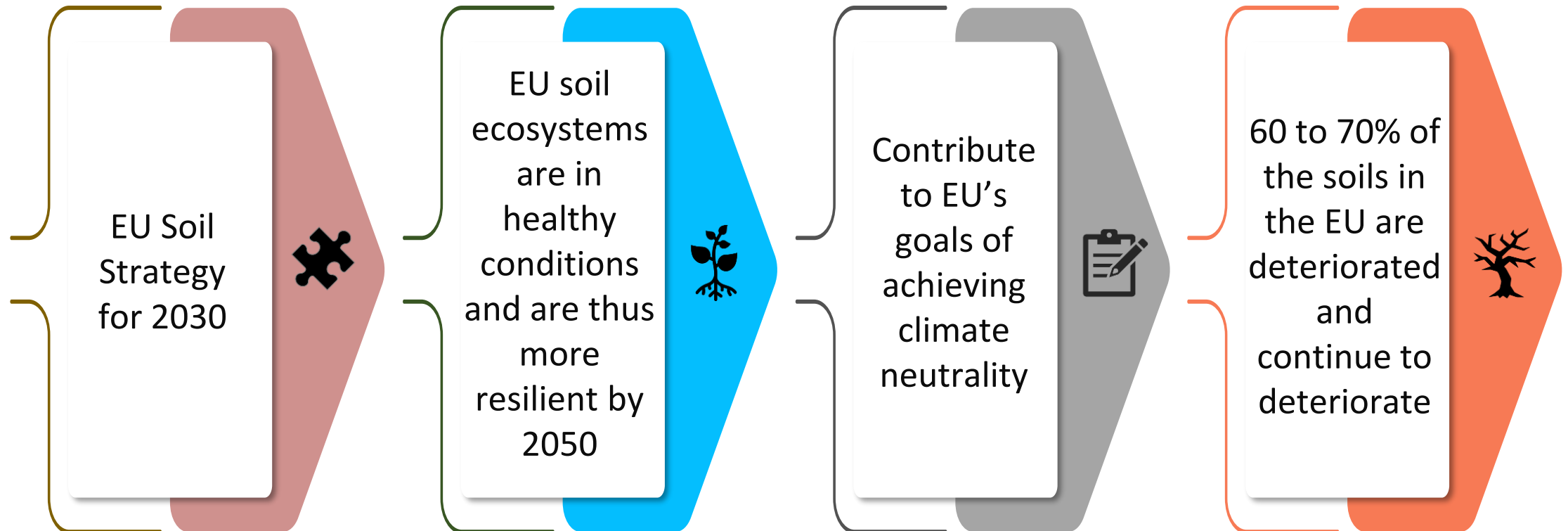
Margarida Palma, F4S

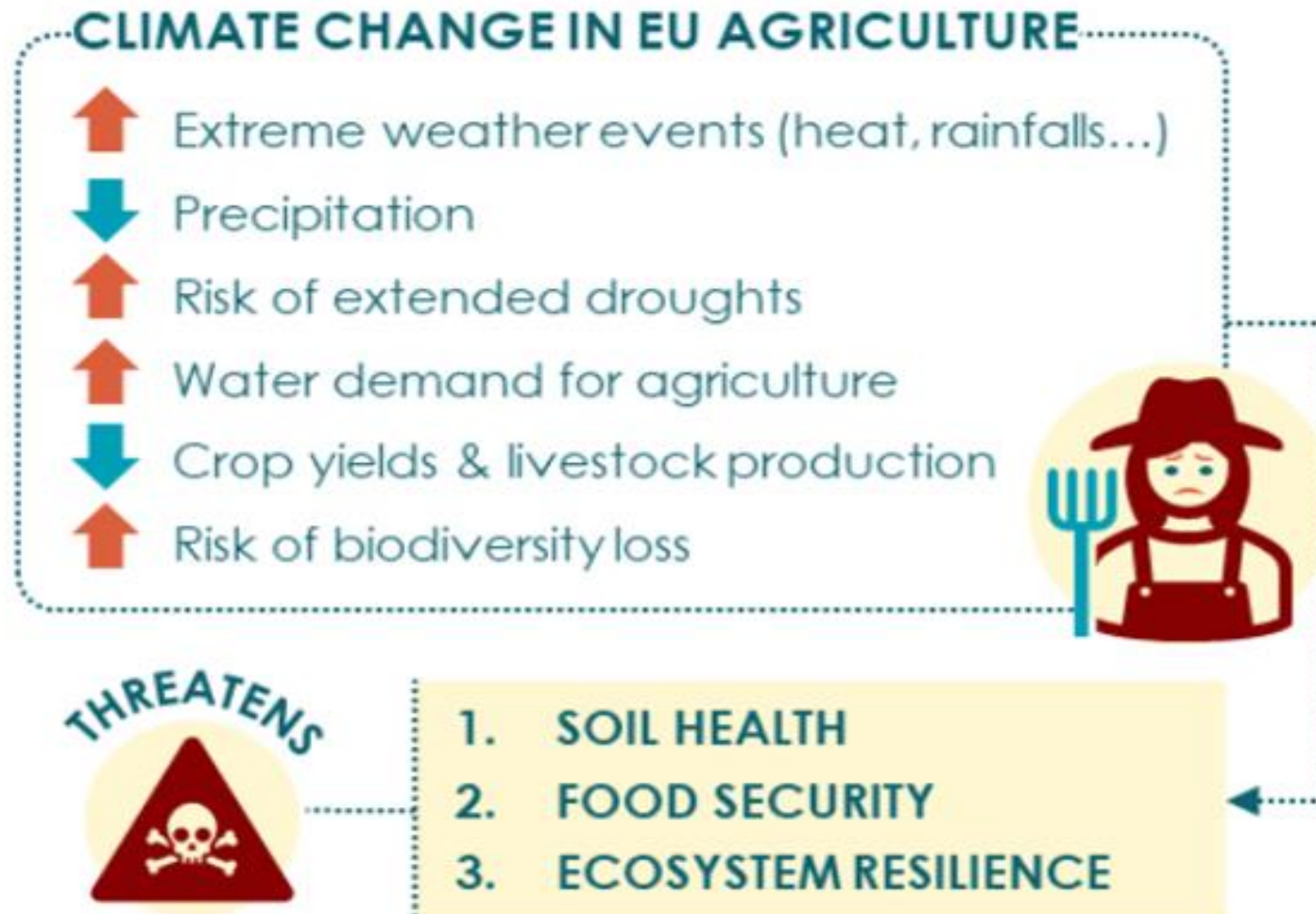
Nádia Castanheira, INIAV



15 Maio 2024

Mission






Living Labs Aim



Foster the potential of C Farming in the Mediterranean and Southern EU region

Catalyse the transformation of the European agricultural sector towards a healthy soil & zero-emission system



ESTABLISHMENT OF LIVING LABS AND CO-CREATION PROCESS: CO-DEVELOPMENT OF CFPs

WP1 and WP2

- Co-design of LLs structure
- Stakeholders to ensure multi-actor approach
- Co-development of CFPs
- Open call for complementary LL sites

CO-IMPLEMENTATION AND MONITORING OF CFPs

WP3 and WP4

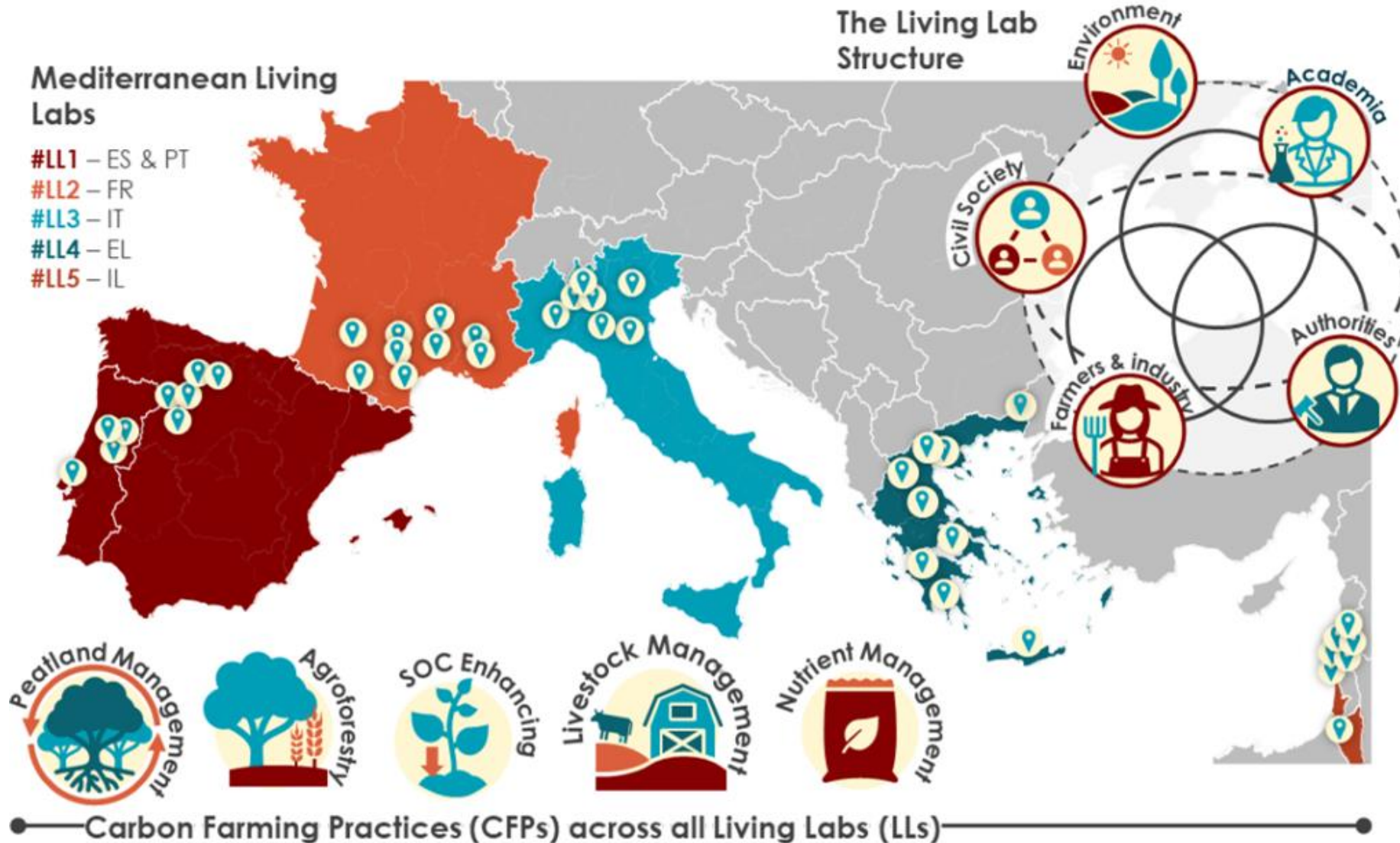
- Co-implementation and macro-analysis of CFPs
- Monitoring CFPs: baseline, data collection and interpretation
- Open call for new MRV technologies
- Modelling of carbon farming practical solutions

CARBON FARMING UPTAKE AND LONG-TERM SUSTAINABILITY OF LLs

WP5 and WP6

- Policy uptake
- Knowledge transfer & capacity building + transferability to other EU regions
- Cross-fertilisation with other EU initiatives
- Exploitation of LLs and CFPs
- Carbon farming business models and Carbon credits market

Living Labs structure



Living Lab #1 ES-PT



Location: Transnational – Spain and Portugal

LL Leaders


- Food4Sustainability
- ITACyL

Other partners involved

- Farmers and industry
 - *EIT Food*
 - *URCACyL - Union of Agricultural Cooperatives of Castilla y León*
- Academia
 - *INIAV – National Institute of Agricultural & Veterinary Research*
- Authorities
 - *To be added during the project*



Living Lab #1 ES-PT

LL#1 – ES-PT	
	
Region	Transnational: Alentejo, Beira Baixa (PT), Castilla y León (ES)
Climate *	Csa + Csb
Soil type	Typic Xerofluvent, Sandy-clay-loam, sandy-loam
Real /experimental ratio	8/2
Crop/livestock type	Holm oak, cork oak, almond, olive, forage, cereals, legumes, vine, rainfed extensive crops / pork, bovine...
Total area covered (ha)	50
Peatland Management	-
Agroforestry	3, 4
Maintain and enhance SOC on mineral soils	5, 6, 7, 9
Livestock and manure management	12, 13, 14, 15
Nutrient management	16, 17, 19

CFP to be applied
(see text caption in Table 3)

Land uses:

- **Agriculture**
 - Rainfed extensive crops
 - Fruits and vegetables
 - Cereal
 - Vineyards
 - Traditional olive grove
 - Pasture & livestock

- **Forest**
 - Montado system - Holm oak, cork oak

CO-CREATION & KNOWLEDGE TRANSFER WITHIN, BETWEEN & OUTSIDE THE LLS

- 20 co-creation workshops
- 10 training workshops + 21 training materials
- 10 policy workshops
- 8 cross-fertilisation workshops
- 2 EU replication workshops

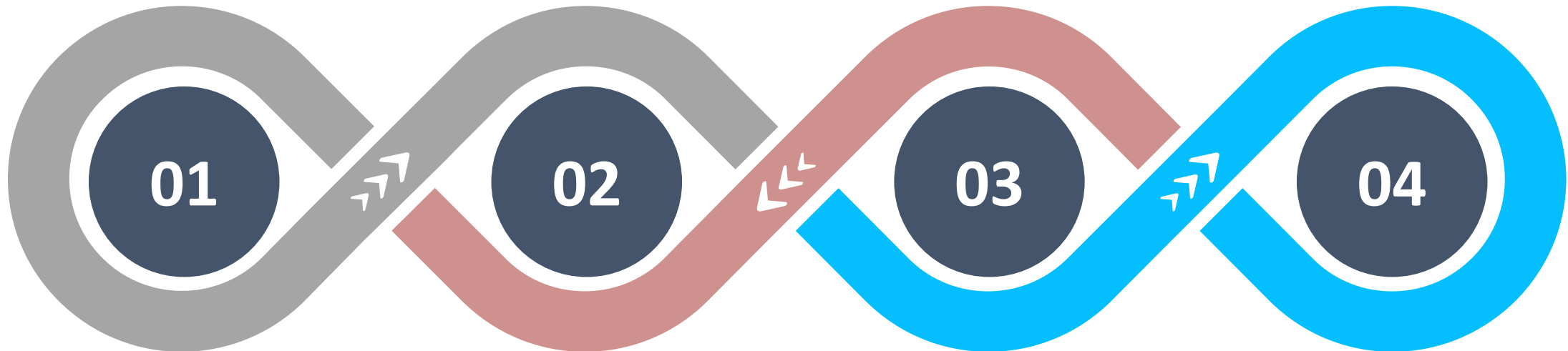
15 MRV TECHNOLOGIES tested in real-life settings via Open call
60 K€ distributed to technology developers



19 CARBON FARMING PRACTICES TESTED IN REAL-LIFE SETTINGS WITH END USERS

+36 farmers engaged at proposal stage
35-50 farmers engaged via Open call
1.47 M € distributed to farmers via FSTP

Strengths - proposal writing phase



Proposal

Application written by a consultancy firm

Partners

Key partners: EIT Food South and Neiker

Timing

Contacts for the definition of the consortium started early

Coordination

Coordinator scheduled regular meetings and defined deadlines for responses

Strengths - LL Design



Geographical location helped structure **cross-border**



Interaction with producers regarding the **definition of the practices** to be developed by them



Selected **producers** already implemented some practices and expressed interest in adopting new practices to achieve improved outcomes



The identification of **Lighthouses** validated by the Agri_Dem network



Financial Support to Third Parties (FSTP)



LILAS4SOILS

Fostering Carbon Farming Practices through
Living Labs in the Mediterranean & Southern EU for
the healthy future of European soils

LILAS4SOILS will establish 5 Living Labs in 6 Southern EU & Mediterranean countries to bring agriculture stakeholders together to co-create carbon farming solutions paving the way for an EU net-zero emission system.

Obrigada pela atenção!

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Horizon Europe

THE NEXT EU RESEARCH & INNOVATION
PROGRAMME (2021 – 2027)

