

EU SOIL DAY

#EUsoilDay

Title: BIOSERVICES project
Speaker: Alberto Garre

U
23

PRESIDENCIA
ESPAÑOLA
CONSEJO DE LA
UNIÓN EUROPEA

BRUSSELS
6 NOV 23

#EUsoilDay





BIOSERVICES

**LINKING SOIL BIODIVERSITY AND ECOSYSTEM FUNCTIONS AND SERVICES
IN DIFFERENT LAND USES
FROM THE IDENTIFICATION OF DRIVERS, PRESSURES AND CLIMATE CHANGE
RESILIENCE TO THEIR ECONOMIC VALUATION**

Project partners: 23 partners from 11 countries (EU and associated countries)

Nº	Participant organisation name	Acronym	Type	Country
1	Universidad Politécnica de Cartagena (Coordinator)	UPCT	University	Spain
2	Universidade de Vigo	UVigo	University	Spain
3	LGI Consulting	LGI	Consulting SME	France
4	Eigen Vermogen Van Het Instituut Voor Landbouw En Visserijonderzoek	EV-ILVO	Research centre	Belgium
5	Johann Heinrich von Thuenen-Institut	TI	Research centre	Germany
6	Consiglio per la Ricerca in Agricoltura e l'Analisi dell'Economia Agraria	CREA	Research centre	Italy
7	Zabala Innovation	Zabala	Consulting SME	Spain
8	Centro Euro-Mediterraneo sui Cambiamenti Climatici	CMCC	Research centre	Italy
9	Agencia Estatal Consejo Superior de Investigaciones Científicas	CSIC	Research centre	Spain
10	Technical University of München	TUM	University	Germany
11	Research Institute of Organic Agriculture	FiBL	Research centre	Switzerland
12	Wageningen University	WU	University	Netherlands
13	Latvian State Forest Research Institute	SILAVA	Research centre	Latvia
14	Scotland's Rural College	SRUC	Research centre	UK
15	Università degli Studi della Tuscia	UNITUS	University	Italy
16	University of Portsmouth	UPO	University	UK
17	JUNE Communications S.R.L.	JUNE	Communication SME	Romania
18	Soluciones Agrícolas Cultivate S.L.	SAC	Advisor SME	Spain
19	Fundación Juana de la Vega	FJV	NGO	Spain
20	Flächenagentur Rheinland GmbH	FAR	Advisor SME	Germany
21	SIA Rīgas meži	RM	SME	Latvia
22	Northern Arizona University	NAU	University	USA

Universidad Politécnica de Cartagena



>90 R&D groups

Fundamental and applied research

environmental **soils**, **agri-food**, engineering,
manufacturing, ICT, architecture, business administration
and legal administrations



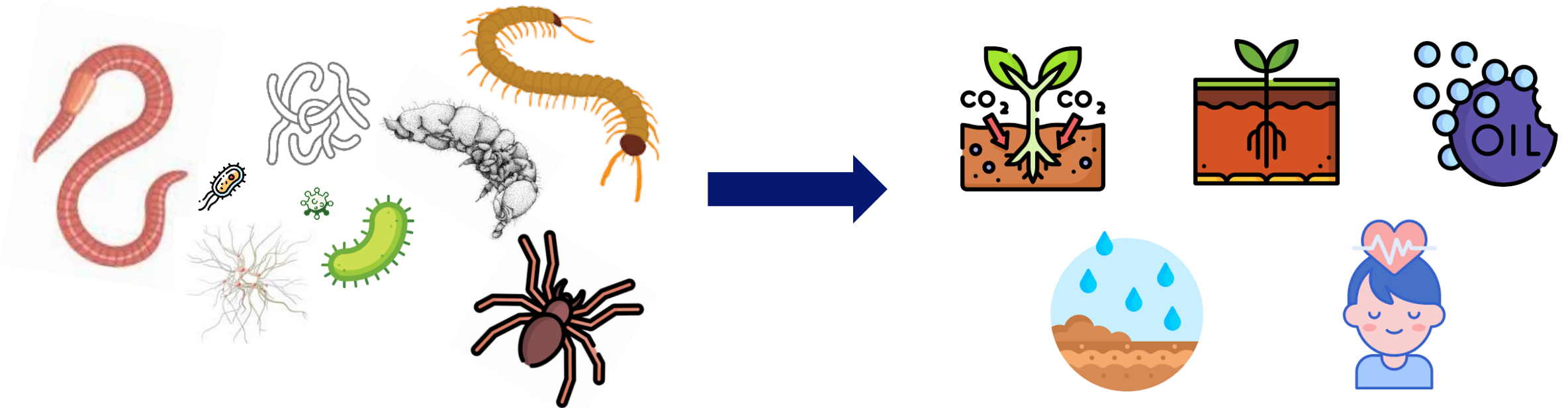
Scientific exchange private/public

Food industries, authorities & regulators, spin-offs, regional
SMEs

Member of the European University of Technology

Objectives of BIOSERVICES:

To understand the **interconnection** between **soil organisms** (virus, bacteria, archaea, fungi, protists, nematodes, microarthropods, earthworms, isopods, millipedes, insects and spiders) and the **delivery of soil multiple ecosystem functions and services** at **different scales (field vs landscape)**, identifying the pressures and drivers resulting from **different land uses and climate change**, and performing an **economic valuation** of the contribution of soil organisms to ecosystem services.



Specific objectives:

SO1. To strengthen existing **stakeholder communities** and create new ones to enhance new partnerships to better integrate soil biodiversity within land use planning (WP1).

SO2. To understand the role of **soil organisms** in the multiple provision of EFS in terms of land use, biogeographical region and soil structure (WP2).

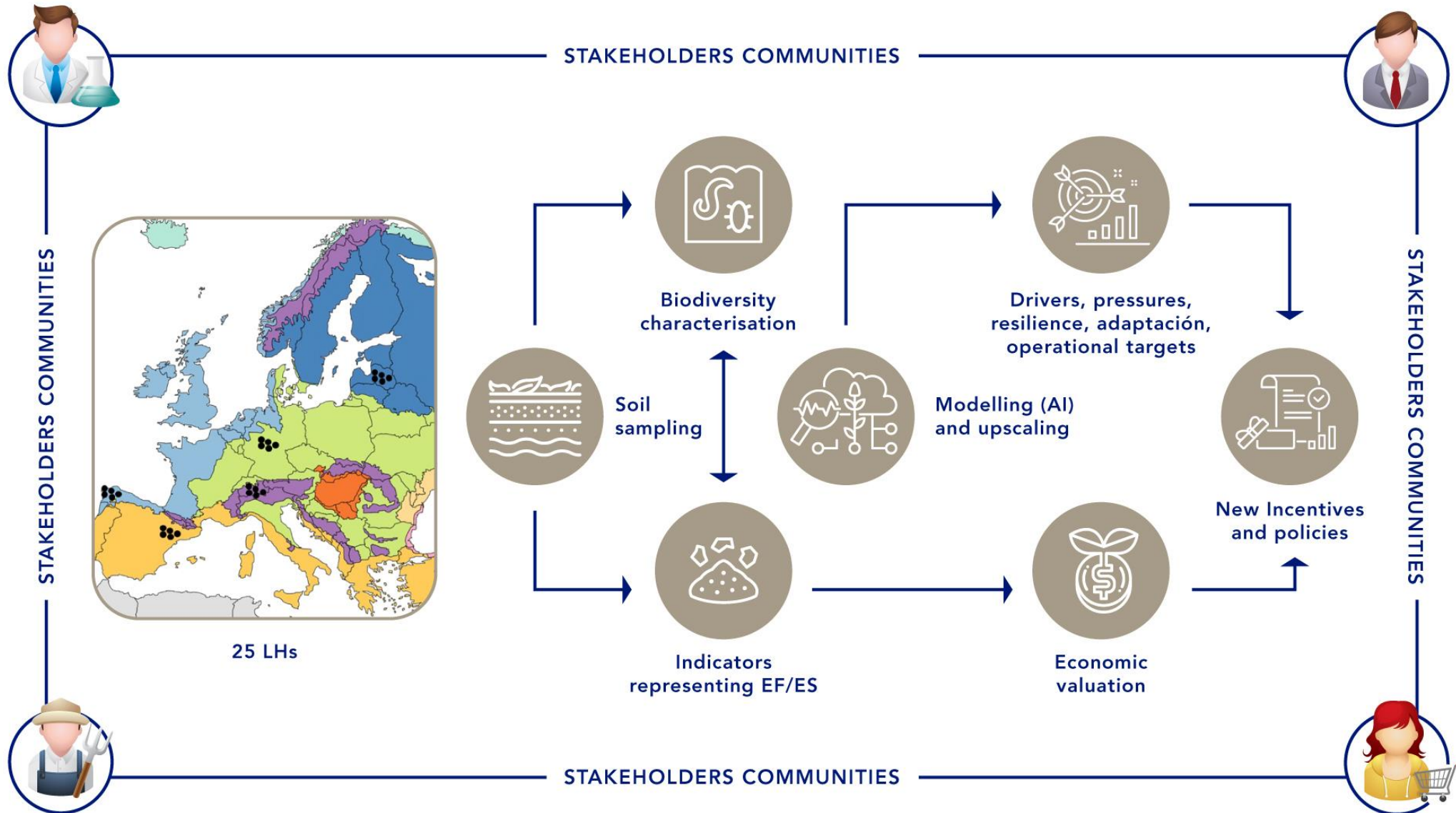
SO3. To **identify current drivers and pressures** affecting soil organisms and their resilience and adaptation capacity to climate change, and select SMART soil biodiversity targets for soil health monitoring (WP3).

SO4. To develop a framework to identify and value the contribution of **soil biodiversity to ES** and assess the **economic value** of those ES (WP4).

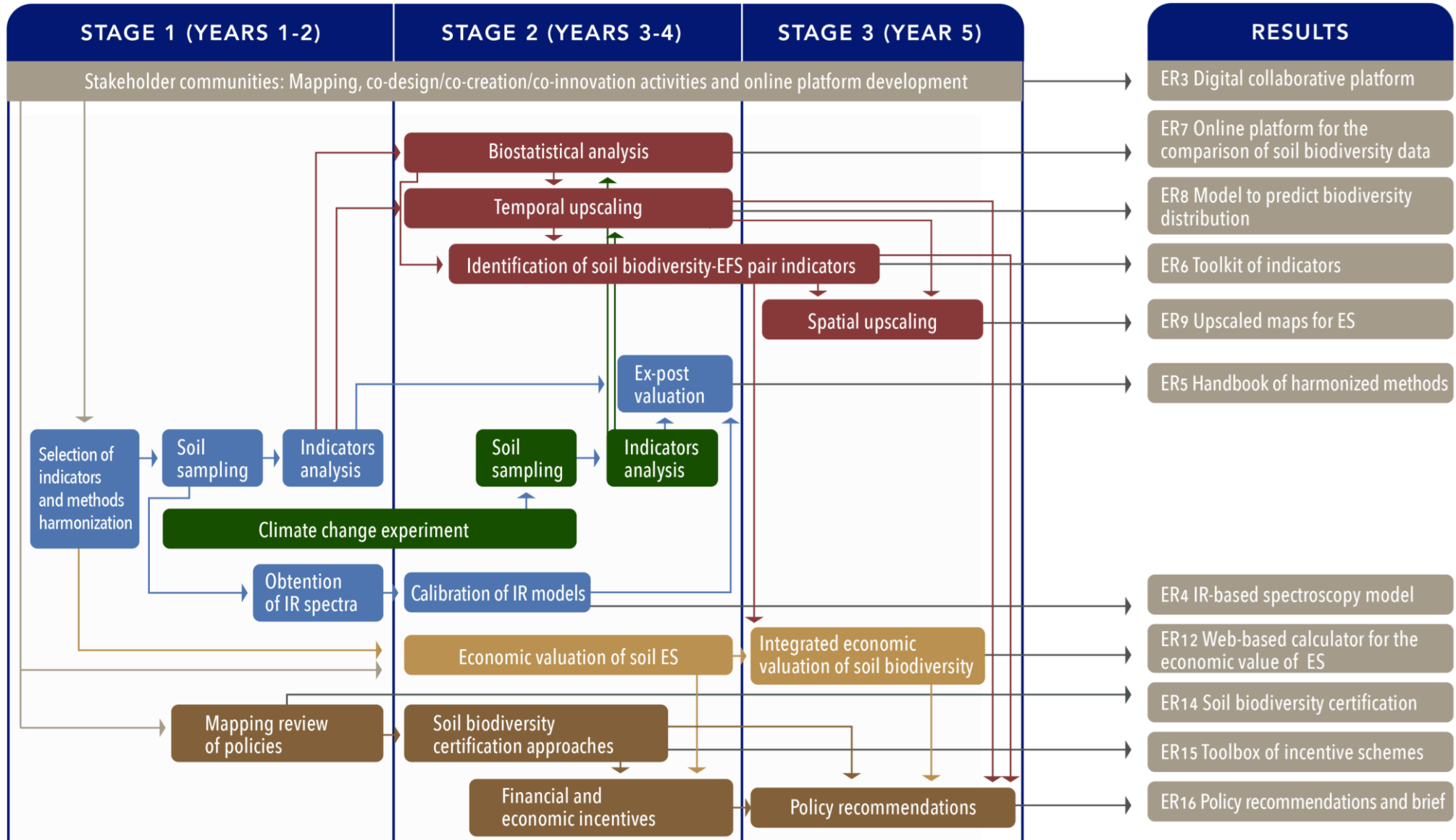
SO5. Develop tools and **propose guidelines and incentives** to introduce soil biodiversity conservation and restoration into policies (WP5).

SO6. To **communicate and disseminate** new knowledge and to exploit the results to increase the use of soil biodiversity indicators in monitoring, conservation and restoration of soil health (WP6).

Overall approach:



Workplan: Summary of timeline and results



Thank you



BIOserviceES Coordination Board

RAUL ZORNOZA

+34 868 07 1130

bioservices@upct.es

www.bioservices.eu



BIOservices



Funded by
the European Union



Follow us:

