



# Carbonica

АГЕНЦИЈА ЗА ПОТТИКНУВАЊЕ НА  
РАЗВОЈОТ НА ЗЕМЈОДЕЛСТВОТО  
NATIONAL EXTENSION AGENCY



AGJENCIONI PËR NXITJEN E  
ZHVILLIMIT TË BUJQËSISË  
NATIONAL EXTENSION AGENCY

## **Terms of Reference for Expert Services – Technical Staff and Veterinary/Livestock Expert**

**Project: 101087233 — CARBONICA — HORIZON-WIDERA-2022-ACCESS-04**

### **Background**

The continuous increase of the scope and the scale of the anthropogenic activities in which agriculture plays a significant role contributes to a rapid negative impact on the carbon cycle. The impact of agriculture on CO<sub>2</sub> emissions will be further increased, considering that the world population will reach 9.7 billion by 2050. EU has committed to mitigate the carbon footprint from agriculture as described in the CAP (Objective 4), the European Green Deal and its flagship strategies, the Farm to Fork and the Biodiversity strategies. The efficiency of these carbon footprint from agriculture strategies will be mainly determined by the synergy amongst all stakeholders (policy, industry, academia, civil society) in the quadruple helix within the place-based innovation ecosystems. The widening countries involved in this project, Cyprus, Greece and North Macedonia, as part of the Balkan-Mediterranean region, are heavily impacted by climate change. To achieve these targets an inter- and transdisciplinary approach is required to integrate the expertise and knowledge of all relevant stakeholders and a place-based perspective and design needs-based carbon farming solutions (practices and technologies) as well as strict policies to foster shifts towards a Climate-resilient Agriculture. The main objective of this project is to establish CARBONICA Excellence Hub by connecting the innovation ecosystems of Cyprus, Greece and North Macedonia, while enhancing their TRL as service providers, based on cutting-edge technologies (Earth Observation – EO; in situ data; digital agriculture etc.) in carbon farming. The main scope is to establish access to excellence to all relevant stakeholders in the QH of the WC, as well as strengthen regional innovation capacity guided by long-term joint R&I strategy in the carbon farming field.

### **Description of tasks and objectives to be achieved:**

1. Providing scientific expertise in the activities related to WP1: Consolidation, capacity building and brain gain strategies, with in total 0.8 PMs, by tasks:
  - T1.1 Mapping of the current state-of-play in carbon farming ecosystems
  - T1.3 Capacity building of stakeholders
  - T1.4 Brain gain strategies
  - T1.5 Forum on carbon farming R&I
  - T1.6 Guide for carbon farming solutions
2. Providing scientific expertise in the activities related to WP3: Joint pilot research project and testing and validation, with in total 8.2 PMs, by tasks:

- T3.1 Plan for testing and validation
  - T3.2 Validation of toolbox and Lab Prototype
  - T3.3 Feasibility studies
3. Providing scientific expertise in the activities related to WP5: Stakeholder engagement, outreach and policy recommendations, with in total 2 PMs, by tasks:
- T5.1 Communication and outreach
  - T5.2 Collaboration and synergies with other projects and initiatives
  - T5.3 Stakeholder engagement and networking
  - T5.4 Policy network and recommendations

### Expected Outputs/Deliverables:

The expected outputs of the assignment will be:

1. Contribution to all deliverables defined within the abovementioned tasks, described in the Grant Agreement and as coordinated by the Task Leaders, as mentioned below:

Deliverable No	Deliverable Name	Work Package No	Lead Beneficiary	Type	Dissemination Level
D1.1	Integrated framework of regional R&I excellence and toolbox of carbon farming solutions	WP1	9 - ECoE	R — Document, report	PU - Public
D1.2	CARBONICA Hub's MAPs	WP1	2 - i-BEC	R — Document, report	PU - Public
D1.3	CARBONICA Hub's MAPs (B, update)	WP1	2 - i-BEC	R — Document, report	PU - Public
D1.4	CARBONICA Hub's MAPs (C, update)	WP1	2 - i-BEC	R — Document, report	PU - Public
D1.5	Capacity building activities	WP1	12 - CUT	R — Document, report	PU - Public
D1.6	Capacity building activities (B, update)	WP1	12 - CUT	R — Document, report	PU - Public
D1.7	Brain gain strategies	WP1	9 - ECoE	R — Document, report	PU - Public
D1.8	Brain gain strategies (B, update)	WP1	9 - ECoE	R — Document, report	PU - Public
D1.9	Brain gain strategies (C, update)	WP1	9 - ECoE	R — Document, report	PU - Public
D2.1	Joint R&I strategy	WP2	2 - i-BEC	R — Document, report	PU - Public
D2.2	Joint R&I strategy (B, update)	WP2	2 - i-BEC	R — Document, report	PU - Public
D2.3	Joint R&I strategy (C, update)	WP2	2 - i-BEC	R — Document, report	PU - Public
D2.4	CARBONICA Hub Action and Sustainability plan	WP2	2 - i-BEC	R — Document, report	PU - Public

Deliverable No	Deliverable Name	Work Package No	Lead Beneficiary	Type	Dissemination Level
D2.5	CARBONICA Hub Action and Sustainability plan (B, update)	WP2	2 - i-BEC	R — Document, report	PU - Public
D2.6	CARBONICA Hub Action and Sustainability plan (C, update)	WP2	2 - i-BEC	R — Document, report	PU - Public
D3.1	Piloting Plan and Validation Report	WP3	9 - ECoE	R — Document, report	PU - Public
D3.2	Piloting Plan and Validation Report (B, update)	WP3	9 - ECoE	R — Document, report	PU - Public
D3.3	Piloting Plan and Validation Report (C, update)	WP3	9 - ECoE	R — Document, report	PU - Public
D3.4	Recommendations for upscaling	WP3	9 - ECoE	R — Document, report	PU - Public
D3.5	Certification and accreditation protocols	WP3	2 - i-BEC	R — Document, report	PU - Public
D4.1	Plan for support in business development and Action plan	WP4	5 - AGFT	R — Document, report	PU - Public
D4.2	Plan for support in business development and Action plan (B, update)	WP4	5 - AGFT	R — Document, report	PU - Public
D4.3	Report for support in Business Development	WP4	5 - AGFT	R — Document, report	PU - Public
D4.4	Report for support in Business Development (B, update)	WP4	5 - AGFT	R — Document, report	PU - Public

Deliverable No	Deliverable Name	Work Package No	Lead Beneficiary	Type	Dissemination Level
D5.1	Plan for dissemination and exploitation, including communication activities	WP5	1 - FSH	R — Document, report	PU - Public
D5.2	Plan for dissemination and exploitation, including communication activities (B, update)	WP5	1 - FSH	R — Document, report	PU - Public
D5.3	Plan for dissemination and exploitation, including communication activities (C, update)	WP5	1 - FSH	R — Document, report	PU - Public
D5.4	Plan for dissemination and exploitation, including communication activities (D, update)	WP5	1 - FSH	R — Document, report	PU - Public
D5.5	Policy recommendations	WP5	6 - GGP	R — Document, report	PU - Public
D6.1	Project Management Handbook	WP6	1 - FSH	R — Document, report	SEN - Sensitive
D6.2	Project Management Handbook (B, update)	WP6	1 - FSH	R — Document, report	SEN - Sensitive
D6.3	Project Management Handbook (C, update)	WP6	1 - FSH	R — Document, report	SEN - Sensitive
D6.4	Data Management Plan and Ethics	WP6	9 - ECoE	DMP — Data Management Plan	SEN - Sensitive
D6.5	Data Management Plan and Ethics (B, update)	WP6	9 - ECoE	DMP — Data Management Plan	SEN - Sensitive

### Qualifications:

- Advanced university degree in Veterinary Medicine or Livestock Production;
- At least 5 years professional experience in livestock sector;
- Proven experience in the field of animal productions conditions of cow breeding, improvement of the raw cow and sheep milk overall quality, especially microbiological quality, organization of the collection centres for raw milk;
- Strong analytical and presentation skills;
- Proven project experience in projects and experience of working in multicultural and complex project environment and project teams
- Excellent report writing skills, good command in English is required

### Working language

The working and reporting language for the assignment is English.

### Duration of the Assignment

The assignment will include in total 11 person months as distributed above.