

Work package 4

Work package title

Transfer and Uptake of Germ of Life Drought Risk Management Solutions

Objectives

Your objectives should be:

- realistic and achievable by the end of the project;
- specific (who needs project outputs delivered in this work package, and in which territory);
- measurable – indicate the change you are aiming for.

Define one project specific objective that will be achieved when all activities in this work package are implemented and outputs delivered.

To support the transfer, territorial adaptation, operational validation and institutional uptake of validated Germ of Life drought risk management solutions and monitoring approaches across new Mediterranean receiver territories.

The WP focuses on transferring the validated Germ of Life outputs: the Drought Risk Prediction solution (O1.1), the Vulnerability Assessment tool (O1.2), and the Innovation procurement platform for technologies and Nature-based Solutions (O1.3).

The new receiver territories are essential because they represent different drought-risk and governance contexts: Ohrid/North Macedonia, Trasimeno Lake/Italy, Catalonia/Spain, and Kourion /Cyprus. This will allow the project to demonstrate that the tools can be adapted beyond the original testing areas.

Think about the communication objective that will contribute to the achievement of the specific objective. Communication objectives aim at changes in a target audience's behaviour, knowledge or belief.

To increase awareness, technical understanding and operational capacity of public authorities, environmental organisations, meteorological services, water-related stakeholders and local communities regarding the use and uptake of Germ of Life drought monitoring, prediction and vulnerability assessment solutions.

Activities

Activity 4.1	
Title	Territorial Readiness and Needs Assessment
Start period	Period 6, 31 - 36
End period	Period 9, 49 - 51
	A4.1 focuses on assessing the readiness, needs and territorial conditions of the receiver territories for the

Activity 4.1	
Description	transfer and uptake of the validated Germ of Life solutions. The activity will analyze drought-related challenges, climate vulnerabilities, governance conditions, stakeholder ecosystems, and available environmental and meteorological data in each territory. Particular attention will be given to the conditions required for the transfer of the project's validated outputs, including the drought risk prediction solution (O1.1), the vulnerability assessment tool (O1.2), and the innovation procurement platform for technological and Nature-based drought mitigation solutions (O1.3). The receiver territories were selected in order to represent different Mediterranean drought-risk and governance contexts. Ohrid Municipality will contribute the perspective of a local authority with experience in sustainable development and environmental projects in North Macedonia. BBI, together with the municipalities of Castiglione del Lago and Passignano sul Trasimeno, will support the activities in the Trasimeno Lake area, a territory severely affected by drought and decreasing lake water levels. URV (through IU-RESCAT), supported by the Meteorological Service of Catalonia, will contribute climate expertise, climate-service knowledge and experience in climate-risk assessment and adaptation planning. Kourion Municipality will support the transfer process in a territory already active in climate adaptation and disaster prevention initiatives in Cyprus. Moreover, the activity will help identify local stakeholders, technical needs, operational constraints and possible barriers related to the uptake of the Germ of Life solutions. This will ensure that the following transfer activities are adapted to the territorial realities and operational capacities of each receiver territory. UPatras will coordinate the activity and ensure methodological continuity with the original Germ of Life testing phase. DOTSOFT will support the assessment of digital readiness and interoperability aspects related to the project tools, while ATOS will contribute to the assessment of technical integration and data-related requirements linked to the operational transfer of the monitoring and prediction components. The activity will provide the baseline conditions for the adaptation, validation

Activity 4.1	
	and uptake activities to be implemented under the following transfer activities.
Partner(s) involved	UPatras, Atos, DOTSOFT, OHRID, BBI, URV, KOURION

Deliverables 4.1			
Running number	Deliverable title	Description	Delivery period
D.4.1.1	Territorial Readiness and Needs Assessment Report	Report assessing drought risks, data availability, institutional capacity, stakeholder needs and transfer conditions in each receiver territory.	Period 6, 31 - 36

Activity 4.2	
Title	Adaptation of Germ of Life Solutions and Tools
Start period	Period 6, 31 - 36
End period	Period 7, 37 - 42

Activity 4.2**Description**

A4.2 focuses on the adaptation of the validated Germ of Life solutions and methodologies to the specific territorial and operational conditions of the receiver territories.

The activity builds on the results of A4.1 and supports the transfer of the project's validated outputs, including the drought risk prediction solution, the vulnerability assessment tool and the innovation procurement platform for technologies and Nature-based drought mitigation solutions. Particular attention will be given to local climate conditions, governance structures, stakeholder needs and available datasets in order to ensure that the transferred solutions can be realistically applied in each territory. The activity does not aim to develop new methodologies from scratch, but rather to adapt and operationalise the existing validated Germ of Life tools in new Mediterranean environments.

UPatras will coordinate the methodological adaptation process and ensure scientific consistency with the original project framework. DOTSOFT will support the adaptation of the digital tools and platform-related components, focusing on usability and interoperability aspects. ATOS will contribute to the adjustment of the technical and prediction-related components according to local operational requirements and data conditions. URV will support the adaptation of climate-related indicators and climate-service approaches, while the Meteorological Service of Catalonia will contribute expertise related to drought indicators and climate data interpretation. Ohrid Municipality, BBI and Kourion Municipality will support the territorial adaptation process by providing operational feedback, local data and stakeholder input. Furthermore, the Trasimeno Lake territory will provide an important case for assessing the applicability of the transferred tools in a drought-sensitive lake ecosystem affected by water scarcity and climate pressures.

The activity will define the practical transfer conditions and operational pathways for the uptake of the Germ of Life solutions in the receiver territories.

Partner(s) involved

UPatras, Atos, DOTSOFT, OHRID, BBI, URV, KOURION

Deliverables 4.2			
Running number	Deliverable title	Description	Delivery period
D.4.2.1	Adapted Germ of Life Transfer Framework	Framework describing how the validated Germ of Life tools and methodologies are adapted to each receiver territory, including data needs, operational requirements, and transfer steps.	Period 7 , 37 - 42

Activity 4.3	
Title	Capacity Building and Technical Uptake Support
Start period	Period 6, 31 - 36
End period	Period 8, 43 - 48
	A4.3 focuses on strengthening the technical and operational capacity of the receiver territories to understand, use and support the uptake of the validated Germ of Life solutions. The activity will include workshops, technical meetings, peer-learning exchanges, stakeholder engagement actions and training activities involving public authorities, environmental organisations, meteorological services, water-related stakeholders, research institutions and local actors affected by drought risks. Each receiver PP territory will organise one large transfer/dissemination event, aligned where possible with a project meeting. These events will function both as dissemination actions and practical workshops/training sessions, allowing local stakeholders to better understand the transferred tools and methodologies and discuss their applicability under local conditions. Moreover, each receiver territory will organise at least three local stakeholder seminars, technical sessions or participatory meetings during the transfer phase. These activities will support local engagement, awareness raising, data exchange and discussion with territorial actors involved in drought management, environmental governance and climate adaptation. UPatras, DOTSOFT and ATOS as givers will play an active role by providing technical guidance, presentations, demonstrations and operational support regarding the use of the validated Germ of Life tools and methodologies.

Activity 4.3	
Description	Their involvement is essential to ensure continuity with the testing phase and support the practical transfer of know-how to the receiver territories. UPatras will coordinate the overall capacity-building process and provide scientific and technical guidance based on the experience gained during the testing phase. DOTSOFT will support technical demonstrations related to the project tools and digital components, while ATOS will contribute expertise related to monitoring, prediction and operational functionalities. Ohrid and Kourion municipalities will coordinate local stakeholder engagement activities in North Macedonia and Cyprus respectively. BBI, together with the municipalities of Castiglione del Lago and Passignano sul Trasimeno, will coordinate participatory and dissemination activities in the Trasimeno Lake area. URV, supported by the Meteorological Service of Catalonia, will contribute expertise related to climate services, climate-risk assessment and climate adaptation processes, while also organising local events. Furthermore, the activity will include online technical support and exchange activities throughout the transfer phase, facilitating continuous communication between giver and receiver partners, supporting troubleshooting, and strengthening cooperation among the participating territories. A4.3 will contribute not only to the transfer of technical knowledge, but also to the creation of stronger operational links between technical partners, local authorities, and territorial stakeholders.
Partner(s) involved	UPatras, Atos, DOTSOFT, OHRID, BBI, URV, KOURION

Deliverables 4.3			
Running number	Deliverable title	Description	Delivery period
D.4.3.1	Capacity Building and Technical Uptake Report	Report documenting workshops, training sessions, peer-learning activities, participants, feedback and lessons learned.	Period 8 , 43 - 48

Activity 4.4	
Title	Validation Actions and Territorial Uptake Plans
Start period	Period 7, 37 - 42
End period	Period 8, 43 - 48
Description	A4.4 focuses on supporting the operational validation and territorial uptake of the adapted Germ of Life solutions in the receiver territories. The activity builds on the work implemented under A4.1–A4.3 and aims to assess how the transferred tools and methodologies can support local and regional drought-risk management processes under different Mediterranean environmental and governance conditions. Attention will be given to the practical applicability of the drought prediction solution, the vulnerability assessment tool, and the project's methodologies for preventive drought risk management. Receiver territories will test and evaluate the usability, relevance, and operational value of the transferred solutions using local datasets, stakeholder feedback, and territorial conditions. The activity will also support the preparation of Territorial Uptake Plans for each receiver territory. These plans will describe how the Germ of Life solutions can be used after the end of the transfer phase, which organisations and stakeholders may be involved, what technical or institutional conditions are needed and how the outputs can support local drought management and climate adaptation processes. UPatras will coordinate the validation process and ensure methodological consistency between the original testing phase and the transfer phase activities. DOTSOFT and ATOS will support the technical validation of the tools and provide guidance regarding operational usability, data integration and practical implementation aspects. Ohrid Municipality will coordinate the validation activities in North Macedonia, focusing on local governance and environmental management needs. BBI, together with the municipalities of Castiglione del Lago and Passignano sul Trasimeno, will support the validation process in the Trasimeno Lake area, where severe drought conditions and decreasing lake levels provide a particularly relevant

Activity 4.4	
	environment for assessing the applicability of the Germ of Life methodologies. URV, supported by the Meteorological Service of Catalonia, will contribute to the validation of climate-related indicators, drought-related information and adaptation-oriented approaches in Catalonia. Kourion Municipality will support the validation activities in Cyprus, focusing on local authority needs related to drought resilience and climate adaptation. Furthermore, stakeholder feedback collected during workshops, seminars and local engagement activities under A4.3 will be integrated into the validation and uptake process in order to ensure that the transferred solutions remain operationally relevant and territorially applicable.
Partner(s) involved	UPatras, Atos, DOTSOFT, OHRID, BBI, URV, KOURION

Deliverables 4.4			
Running number	Deliverable title	Description	Delivery period
D.4.4.1	Territorial Uptake Plans	Practical uptake plans for receiver territories, describing how Germ of Life solutions can be used, by whom, with what data, and for which drought management decisions.	Period 8 , 43 - 48

Activity 4.5	
Title	Coordination with Euro-MED Governance and Clustering Activities
Start period	Period 6, 31 - 36
End period	Period 9, 49 - 51
	A4.5 focuses on strengthening the integration of Germ of Life within the wider Interreg Euro-MED Programme ecosystem and reinforcing synergies with relevant Mediterranean initiatives related to drought resilience, climate adaptation, water management and environmental governance. The activity will support the active participation of the partnership in the Natural Heritage Mission Community (NHM), the Water Cluster, Amplification Room services, Programme exchanges and relevant

Activity 4.5	
Description	clustering and policy-dialogue activities organised within the Interreg Euro-MED framework. The activity will promote the transfer experience and operational results of Germ of Life, while supporting exchanges of knowledge, experiences and good practices with other Euro-MED projects working on climate resilience, water scarcity, ecosystem protection and environmental monitoring. UPatras will coordinate the activity and represent the project in Programme-level exchanges and governance-related activities. Moreover, UPatras will ensure the alignment of the transfer phase with the objectives of the Natural Heritage Mission and relevant Programme capitalisation actions. DOTSOFT and ATOS will contribute technical expertise related to digital environmental management tools, monitoring systems and operational decision-support approaches, supporting the visibility and transferability of the project's technical components. URV will support scientific networking and contribute expertise related to climate services, drought indicators and climate adaptation processes. Through their broader international and Mediterranean networks, URV will also support the dissemination and replication potential of the project results beyond the direct partnership. BBI will contribute through its extensive network of Italian municipalities and international cooperation links, supporting dissemination and exchange activities related to drought resilience and sustainable territorial management. Ohrid Municipality and Kourion Municipality will contribute local authority perspectives regarding drought-risk management and climate adaptation challenges faced by Mediterranean municipalities, strengthening the territorial dimension of the clustering and exchange activities. Furthermore, the activity will support synergies with associated partners, including the Meteorological Service of Catalonia and the municipalities involved in the Trasimeno Lake transfer territory, reinforcing the operational and institutional relevance of the project results.
Partner(s) involved	UPatras, Atos, DOTSOFT, OHRID, BBI, URV, KOURION

Deliverables 4.5			
Running number	Deliverable title	Description	Delivery period
D.4.5.1	Clustering and NHM Coordination Report	Report documenting participation in Euro-MED clusters, NHM activities, policy dialogue, synergies and Programme-level exchanges.	Period 8 , 43 - 48

Activity 4.6	
Title	Communication, Awareness and Knowledge Transfer Activities and EuroMED Academy contribution
Start period	Period 6, 31 - 36
End period	Period 9, 49 - 51
	A4.6 focuses on communication, awareness raising and knowledge-transfer activities supporting the visibility, transferability and long-term uptake of the Germ of Life solutions and methodologies. The activity will build on the communication material, dissemination experience and stakeholder networks developed during the original Germ of Life testing phase, while adapting the communication approach to the new receiver territories and transfer objectives. Communication and dissemination activities will target public authorities, environmental and water-management stakeholders, climate-service organisations, research institutions, civil society actors and local communities affected by drought and climate-related risks. The activity will include the preparation and dissemination of communication material, newsletters, videos, social media content, presentations, technical guidance material and awareness resources promoting the practical value of the Germ of Life solutions for drought prevention, climate adaptation and environmental resilience. UPatras will coordinate the overall communication and dissemination strategy and ensure alignment with Interreg Euro-MED communication requirements and Natural Heritage Mission objectives. DOTSOFT will support the preparation of digital

Activity 4.6	
Description	communication material and technical dissemination content related to the project tools and platform functionalities. ATOS will contribute technical communication content related to monitoring and prediction functionalities and support the dissemination of the project's technical approaches. BBI will play a particularly important role in dissemination and awareness activities through its extensive network of Italian municipalities and its strong communication capacity, including social-media outreach and territorial dissemination channels. This will significantly strengthen the visibility and replication potential of the Germ of Life solutions across local Mediterranean territories. URV will contribute scientific dissemination content related to climate services, drought-risk assessment and adaptation planning, while also supporting knowledge-transfer and training-oriented communication activities. Ohrid Municipality and Kourion Municipality will support local awareness and dissemination activities in North Macedonia and Cyprus respectively. Furthermore, the activity will support knowledge transfer and capitalization processes through the preparation of reusable training and guidance material that may contribute to Euro-MED Academy.
Partner(s) involved	UPatras, Atos, DOTSOFT, OHRID, BBI, URV, KOURION

Deliverables 4.6			
Running number	Deliverable title	Description	Delivery period
D.4.6.1	Communication and Knowledge Transfer Materials and EuroMED Academy contribution	Set of communication, dissemination, awareness and training materials supporting transfer and uptake of Germ of Life solutions, including EuroMED Academy contribution	Period 8 , 43 - 48

Activity 4.7	
Title	Carbon Footprint Monitoring and Sustainability Measures (during transfer phase)
Start period	Period 6, 31 - 36

Activity 4.7	
End period	Period 9, 49 - 51
Description	A4.7 will monitor the carbon footprint of the transfer phase in line with Interreg Euro-MED Programme requirements. The activity will collect information related to meetings, travel, events and other project activities. It will also promote sustainable implementation practices such as online meetings, low-impact travel choices where feasible, and sustainable event organisation. All partners will provide the required data for carbon footprint monitoring. D.4.7.1 "Carbon Footprint Monitoring Report (transfer phase)". PPs will provide input to the Programme's online tool to calculate carbon emissions and suggest measures when possible. (report every period) This deliverable is internal and published only on basecamp.
Partner(s) involved	UPatras, Atos, DOTSOFT, OHRID, BBI, URV, KOURION

Deliverables 4.7			
Running number	Deliverable title	Description	Delivery period

Outputs

Output 4.1	
Output Title	Germ of Life Mediterranean Drought Resilience Network (during the transfer phase)
Programme Output Indicator	22087: Organisations cooperating across borders
Measurement Unit	Organisation
Target Value	8,00
Delivery period	Period 9, 49 - 51

Output 4.1**Output Description**

Transnational cooperation network supporting the transfer, adaptation and uptake of Germ of Life drought-risk solutions in new MED territories. Building on Output 2.1, the network is strengthened through 4 new PPs and 4 new APs representing diverse climatic, environmental and governance contexts. The network connects technical partners, local authorities, research institutions, meteorological services and territorial stakeholders, strengthening transferability beyond the original pilot areas.

Investments