



The LIFE Programme

Brownfield redevelopment in the EU

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Santiago Urquijo
LIFE Unit ENV.D.4



LIFE PROGRAMME – BRIEF OVERVIEW

- ❖ EU programme for the Environment and Climate Action investing **since 1992** into improving the state of the environment
- ❖ LIFE contributes towards a **resource-efficient, low-carbon and climate-resilient economy** while protecting / improving the environment, maintaining and improving **biodiversity**, ecosystems and, in particular, the **Natura 2000 network**
- ❖ Implementing the **7th Environment Action Programme**
- ❖ Budget 2014-2020: **€3,456.7 million**



LIFE 2014-2020 – STRANDS

❖ Environment sub-programme

- ❖ Environment & Resource Efficiency (ENV)
- ❖ Nature & Biodiversity (NAT, BIO)
- ❖ Environmental Governance & Information (GIE)

❖ Climate Action sub-programme

- ❖ Climate Change Mitigation (CCM)
- ❖ Climate Change Adaptation (CCA)
- ❖ Climate Change Governance & Information (GIC)



LIFE 2014-2020 – MAWP 2018-20

- ❖ Implementation of actions in line with the Soil Sealing Guidelines with improved efficiency compared to market solutions with a view to achieving region or nationwide spatial development without further land take.
Actions should be one of the following:
 - ❖ Limitation and/or other **remediation actions focused on contaminated sites**
 - ❖ Mitigation for soil sealing
 - ❖ Compensation for soil sealing
- ❖ **Implementation of integrated sustainable soil management practices...**



LIFE - GENERAL FEATURES

- ❖ Applicants - Companies, research institutes, NGOs, public administrations active in the field of environment and climate protection ; **all legal persons registered in the EU**
- ❖ Emphasis on **replicability/transferability, long-term sustainability, and an EU added value** of the project results
- ❖ **Not** focused on **research** (↔ H2020)
- ❖ No large infrastructure; **not** focused on **rural or regional development** (↔ agricultural, structural funds)
- ❖ Support and monitoring: from Contracting Authority (EASME or European Commission) as well as an external monitoring team



ZOOM IN: WHAT IS A TRADITIONAL PROJECT ?

- ❖ **For whom?** Enterprises, associations, public administrations
- ❖ **Flexibility on the size of the consortium and budget. Average size?** 1 to 5 beneficiaries; EU contribution: €500,000 to €1.5 million (no ceiling)
- ❖ **Co-funding rate: 55% (ENV-RE & CA);**
- ❖ **Types of projects**
 - ❖ **Pilot (1)**
 - ❖ **Demonstration (2)**
 - ❖ **Good Practice (3)**
 - ❖ **Information/governance (4)**

CCA	1/2/3
CCM	1/2/3
GIC, GIE	4
NAT/BIO	1/2/3
ENV – ress.	1/2



ZOOM IN: DISTINCT APPROACHES

❖ Demonstration projects

... puts into practice, tests, evaluates and disseminates actions, methods or approaches that are **new or unfamiliar in the project's specific context** and that could be applied elsewhere in similar circumstances.

❖ Pilot projects

...apply a technique or method that has **not been applied or tested before, or elsewhere**, that offer potential environmental or climate advantages compared to current best practice and that can subsequently be applied on a larger scale to similar situations.



SELECTION CALENDAR 2019 CALL

Indicative date or period	Activity
4 April	Publication of call
17 June 2019	Deadline for applicants to submit concept notes
October 2019	Notification to applicants, invited to submit full proposal
February 2020	Deadline to submit full proposals
February 2020 to June 2020	Evaluation and revision of the proposals
July 2020	Signature of individual grant agreements
1 September 2020	Earliest possible starting date for the 2019 projects



LIFE11 ENV/ES/000505 BIOXISOIL

- ❖ **Objective:** to combine well-known soil remediation technologies in a new way to produce a robust, efficient and environmentally friendly solution to organic contamination
- ❖ **Actions:** they combined in situ chemical oxidation, bioremediation and phytoremediation to treat the contaminated soils
- ❖ **Results:** developed a new way to face sites decontamination, by a more efficient, synergic and integral process.



<http://bioxisoil.eu/>



LIFE15 ENV/IT/000396 BIOREST

- ❖ **Objective:** to demonstrate efficiency and effectiveness of an biological approach for soil remediation based on autochthonous bacteria and fungi
- ❖ **Results:** achieve an optimized bioremediation protocol selecting the best microbial consortia with improved degradation abilities towards alkanes, polycyclic aromatic hydrocarbons and BTEX, and scale up to industrial level the production of such micro-organisms for the treatment of polluted sites



<https://www.lifebiorest.com/>



LIFE04 ENV/ES/000263 BIOSOIL

- ❖ **Objective:** to demonstrate the technical and economic feasibility of compost bioremediation technology as a process for reclaiming polluted brownfield sites
- ❖ **Results:** confirmed the effectiveness of adding enriched compost to brownfield soils as a useful technique for stimulating microbial growth. Mineral oil concentration was decreased by up to 88%, significantly improving soils toxicity by the end of the project period.





LIFE05 ENV/UK/000128 BioReGen

- ❖ **Objective:** to demonstrate how certain high productivity plants can act as bio-accumulators of particular metals contained in the soil, thereby offering a cost-effective option for the remediation of contaminated brownfields
- ❖ **Actions:** planted three small pilot brownfield sites: an old clay pit filled with ash from household coal fires; part of an oil refinery; and spare land in a large iron and steel works
- ❖ **Results:** demonstrated that cultivation of plants on brownfield sites could not only improve the local environment on the affected areas, but also supply valuable biofuel without impacting on agricultural land.



LIFE12 ENV/SI/000969 ReSoil

- ❖ **Objective:** to demonstrate an innovative soil washing technology for removal of toxic metals from highly contaminated soil. Metals are removed after complexation with chelant ethylenediamine tetraacetate (EDTA).
- ❖ **Results:** achieved their environmental goal that was removal of 75% of lead from contaminated soil reducing the possibility of metals input into the human body



<http://liferesoil.envit.si/>



Find out more

LIFE website

<http://ec.europa.eu/environment/life/>

Calls:

<http://ec.europa.eu/environment/life/funding/life.htm>