

# S.W.A.N. a digital Solid Waste reuse plAtform for BalkaN

Lead Partner: Association of Municipalities in  
the Attica Region - Solid Waste Management



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## Main Objective – Total Budget

Objective for SWAN is the creation of an innovative Balkan Med ecosystem that will develop locally and manage transnationally value chains for solid waste.

Hence, the new and unique added value of the project is the development of the SWAN ecosystems, the development of environmental policies and strategies for improved solid waste management, and an implementation of a pilot value chain in the region of Attica.

**Total Budget: 968.000,00 €**

# Partnership



1. **LP – EDSNA - Association of Municipalities in the Attica Region - Solid Waste Management**
2. University of the Aegean
3. Greek Ministry of Environment
4. Albania Ministry of Environment
5. PSEDA-ILIRIA – NGO
6. BIA – Union of the Bulgarian Business
7. Cyprus University of Technology

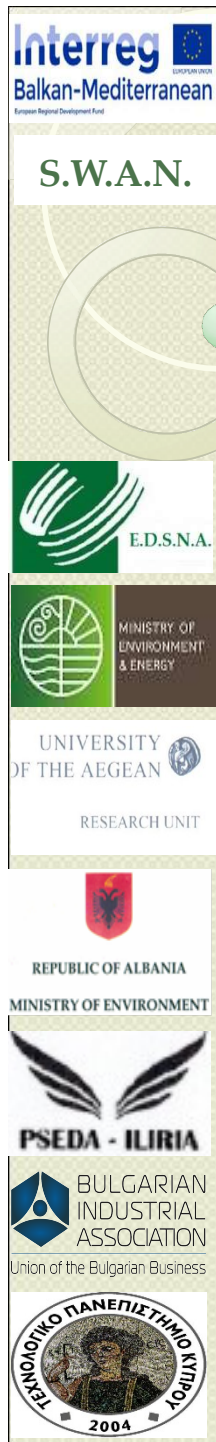


## Location of Activities

The project will cover four countries, namely Greece, Albania, Cyprus and Bulgaria. In Greece, the application area will be the Attica Region, where LP operates as the regional public body responsible for solid waste management.

A full inventory and mapping of all possible and potential sources of solid waste, including small, medium and large enterprises, with quantitative and qualitative characteristics will be performed.

A unique waste management and storage unit for solid waste, located in Attica and controlled by the LP, will be capitalized as a testbed for the purposes of SWAN, in order to test implementation of selected business models, and contributing to the viability aspects of the project.



## Objective

It will be comprised of two parts (which sum up the project's main outputs):

- a) a digital ecosystem of four IT platforms (one for each country represented in the consortium), which will separately map and collectively match solid waste sources and flows in the region. A set of new algorithms will provide core intelligence for technical and financial matching of supply and demand, incorporating viable business models;
- b) an industrial ecosystem of industries in the Balkans that produce and use solid waste.

# Objectives

- a) map solid waste sources and potential receivers of waste streams;
- b) propose national and transnational viable waste reuse pathways, through matching supply and demand;
- c) establish a collaborative network of relevant stakeholders in the region, with the high-profile backing of key project partners: two Ministries of Environment (Greece, Albania), a national industry association (Bulgaria), and the largest public agency for waste management in Greece;
- d) promote relevant policies that are aligned with EU ambitions on waste reuse (e.g. Directive 2008/98/EC).





## Impact on the Project Partners'

The goal is a cluster-like integration of territorial development and cooperation activities, for improving the growth potential and sustainable development in the region.

- a) creating new jobs – e.g. new SMEs may enter in the resulting waste management value chains;
- b) increasing the partners governments' revenue stream from taxes, that can be redirected to further environment-specific investments.



## Our approach is thus ambitious but reflects the high profile of the partners

As a result, we foresee a range of beneficiaries:

- a) resource policy makers will develop relevant strategies, quality protocols and policy instruments for savings and profit opportunities;
- b) waste producers and collectors will identify ways to recover value;
- c) industrial firms will recover material opportunities to source suitable substitutes and to achieve positive CO<sub>2</sub> abatement;
- d) the wider society may see job creation, ranging from IT support for the four IT platforms, to new SMEs that will enter the resulting waste management value chains.





# Expected Results

The results viability plan consists of 4 impact categories that further highlight the innovations of SWAN:

1. RESEARCH
2. KNOWLEDGE TRANSFER
3. PRODUCT DEVELOPMENT
4. SUSTAINABLE NETWORKS

Ευχαριστώ για την προσοχή σας

**S.W.A.N.**  
a digital Solid Waste  
reuse platform for Balkan

