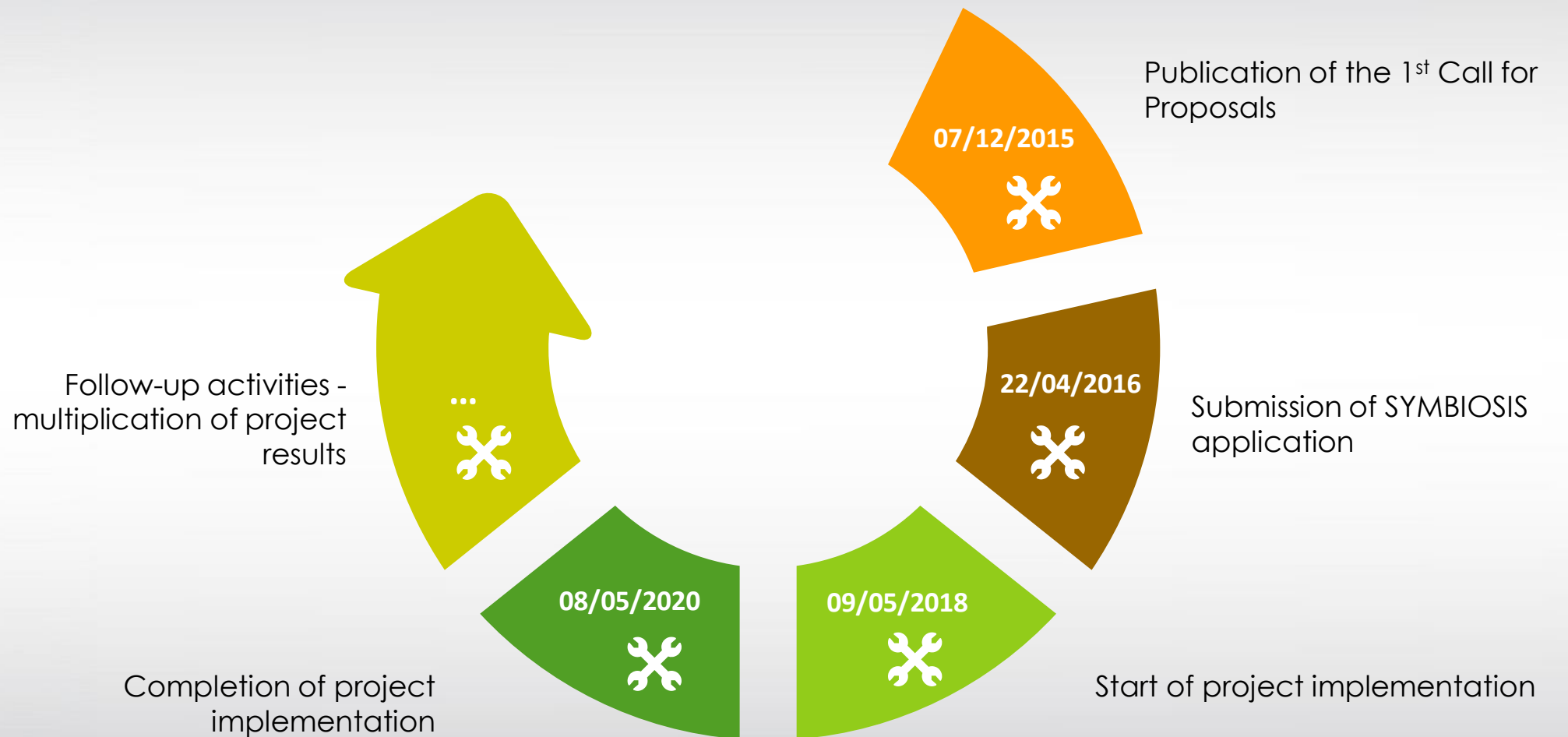


FIRST SENSITIZATION EVENT “BIOWASTE TREATMENT AND EXPLOITATION”



SYMBIOSIS
 **Διοδδύμα**
WASTE MANAGEMENT of
WESTERN MACEDONIA S.A.

THE LIFE CYCLE OF THE PROJECT



THE PARTNERSHIP OF THE PROJECT

Leading partner

**Public Enterprise
KOMUNALEC
Bitola**



**Waste
Management of
Western
Macedonia,
Greece DIADYMA
SA**



**Public Enterprise
COMMUNAL
HYGIENE
Novaci**

Partner

**INOPOLIS
Innovation and
Culture Center**



**Movement for the
environment
MOLIKA DOM Bitola**




**NATIONAL
TECHNICAL
UNIVERSITY OF
Athens**





THE KEY IDEA OF THE PROJECT


INDUSTRIAL SYMBIOSIS - an innovative approach that aims to create industrial networks that will process waste, will trade in materials, energy and water to obtain **economic, environmental and social benefits**.

-  **The economic benefits** are generated mainly by reducing the costs of waste and by-products, using alternative sources of energy and environmental savings.
-  **Environmental benefits** are inherent in industrial symbiosis: reducing landfill waste, reducing harmful emissions and saving water.
-  **Tangible social benefits** for local communities, such as job creation and new investments in the cross-border region.

TARGET GROUPS OF THE PROJECT

- “Big producers” like food processing facilities and suppliers, tourist operators (hotels, restaurants, etc.);
- Farmers, agriculture associations;
- “Bio-waste users” like bio gas or pellet producers;
- Local self governments, Ministries and relevant public institutions;
- Academic institutions and waste management experts in general;
- Civil society organizations dealing on environmental protection;
- Citizens, especially the school age youth;
- Media representatives.

THE CHALLENGES WE FACE

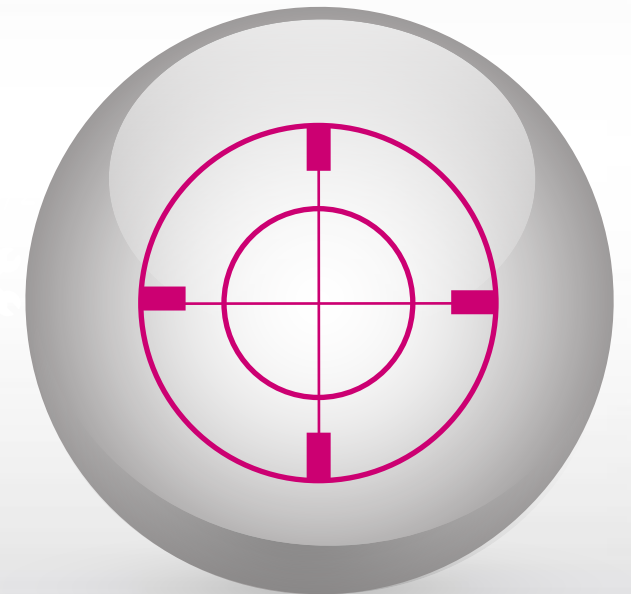
- 
- Continuous growth of communal waste generation which is deposited in landfills;
 - Low level of waste recycling and reuse;
 - Minor treatment of organic waste in the cross-border region;
 - Insufficient information among business sector regarding the possibilities of business and trade cooperation with the waste as a resource;
 - Environmental pollution on daily basis that contributes to increased global warming and climate change;
 - Low level of ecological responsibility among the communities in the cross-border region.

THE MAIN GOAL OF THE PROJECT








The main goal of the project is to establish an integrated, sustainable organic waste management system, as well as to develop a trading scheme between the partner regions of Western Macedonia in Greece and the Pelagonia region in the former Yugoslav Republic of Macedonia.

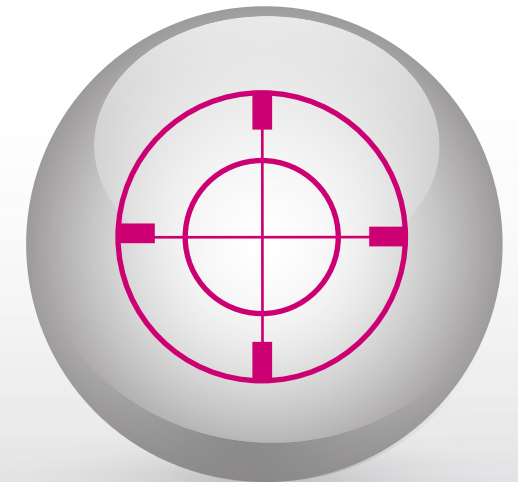
TARGET








SPECIFIC OBJECTIVES OF THE PROJECT

-  To establish industrial efficiency of resources through trading with organic material and sharing of funds;
-  To create industrial sustainable networks, especially in the agro-food industry;
-  To achieve maximum energy efficiency and water use;
-  To identify a reference point where the demand will be met with the bio-waste offer;
-  Improve the local biodiversity management policy in line with EU guidelines and policies for reducing bio-waste deposited in landfills and making better use of it for other purposes;

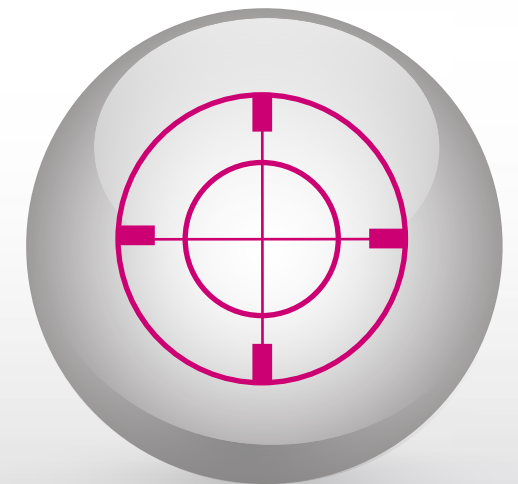
TARGET




SPECIFIC OBJECTIVES OF THE PROJECT

- 
-  To improve the impact on the environment by reducing the bio-waste sources deposited at landfills;
 -  To generate tangible social benefits for local communities through better utilization of bio-resources from the food industry in favor of social activities and creation of new jobs;
 -  To improve co-operation between sectors and businesses in the cross-border region and thus to improve local economies and the development of entrepreneurship;
 -  To support local economies using raw materials or fuels coming from organic waste.

TARGET



PROJECT RESULTS

- 
- ✖ Creating new jobs in the bio-waste sector;
 - ✖ Development of implementation strategies at the level of decision-making by the competent authorities;
 - ✖ Reducing the quantity of bio-waste that is deposited on the landfills on a daily bases;
 - ✖ Creating economic benefits for local and regional businesses through the use of the platform, which is a powerful tool for networking and trade in bio-waste;
 - ✖ Reduce the load on the environment. For each ton of bio-waste that will not be delayed at the landfill, a reduction of carbon dioxide (CO_2) and / or methane (CH_4) will be recorded. 10 000t per year in the cross-border region will result in 300t reduction of methane emissions or 6.300t CO_2 eq.



SYMBIOSIS

THANK YOU FOR YOUR ATTENTION!