

SYMBIOSIS

SYMBIOTIC NETWORKS DEVELOPMENT OF BIO-WASTE SUSTAINABLE MANAGEMENT

State-of-Play Questionnaire

The main objective of SYMBIOSIS project is to create an integrated, sustainable bio-waste management and trading system between partners of the Region of Western Macedonia of Greece and Bitola and Novatsi Municipalities of North Macedonia following the industrial co-operation plan. The SYMBIOSIS project will develop symbiotic networks to connect companies and stakeholders from all business sectors to improve industrial resources through the exchange of materials with an environmentally sustainable manner.

This questionnaire¹ is designed to:

- Assess the qualitative and quantitative characteristics of the non-municipal waste and by-products streams produced by entities of agriculture, livestock and industrial sector.
- Identify pathways for the the tranformation of those streams to valuable feedstocks readily available to be used either as raw materials either as alternative fuels for energy recovery applications.

¹ This questionnaire was elaborated within the framework of the INTERREG IPA CBC Programme ‘Greece – The Former Yugoslav Republic of Macedonia 2014 – 2020’ project, titled ‘SYMBIOTIC NETWORKS OF BIO-WASTE SUSTAINABLE MANAGEMENT’ (SYMBIOSIS). For further information on the SYMBIOSIS project, please refer to the project website <http://www.ipa-cbc-programme.eu/>



The project is co-funded by the European Union and by National Funds of the Countries participating in the Interreg IPA CBC Programme “Greece – The former Yugoslav Republic of Macedonia 2014-2020.

- Support the creation of potential synergies for the exploitation of the above mentioned streams through the development of symbiotic networks in line with the ‘zero – waste discharge’ principles.

To enable an accurate assessment, it is important that all information requested should be provided as completely, transparent and accurately as possible. Wherever you cannot answer a question we would appreciate a short justification e.g. ‘lack of data’.

Please note that **no company-specific / individual-information will be released without your consent**. All information provided is **strictly confidential** and will be aggregated to support projects’s primary objectives within the circular economy framework (more information about personal data at the end of the questionnaire)

Please send your responses and any questions or comments you may have at: questionnaire@symbiosisproject.eu, to Mr. Giorgos Giatas.

Thank you in advance,

The SYMBIOSIS team



Section A: Enterprise's facilities											
1. Primal raw material(s) of your process <i>(Primary Production - Agriculture, Livestock, Fisheries -, Meat industry, Fruit industry, Wood industry, Leather industry, Dairy industry, Beverages industry, Power generation, Services)</i>	Choose one of the activities listed or describe:										
2. Main raw materials of production process	Please describe: 1. 2. 3.										
3. Primal product(s) (e.g. products of primary production, food products, plastics, energy, etc.)	Please describe: 1. 2. 3.										
4. Waste/residues or by-products flow(s) quantity(ies)	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border: none;">Less than 1 ton per year</td> <td style="border: none; text-align: right;"><input type="checkbox"/></td> </tr> <tr> <td style="border: none;">Among 1 and 5 tonnes per year</td> <td style="border: none; text-align: right;"><input type="checkbox"/></td> </tr> <tr> <td style="border: none;">Among 5 and 10 tonnes per year</td> <td style="border: none; text-align: right;"><input type="checkbox"/></td> </tr> <tr> <td style="border: none;">Among 10 and 50 tonnes per year</td> <td style="border: none; text-align: right;"><input type="checkbox"/></td> </tr> <tr> <td style="border: none;">More than 50 tonnes per year</td> <td style="border: none; text-align: right;"><input type="checkbox"/></td> </tr> </table>	Less than 1 ton per year	<input type="checkbox"/>	Among 1 and 5 tonnes per year	<input type="checkbox"/>	Among 5 and 10 tonnes per year	<input type="checkbox"/>	Among 10 and 50 tonnes per year	<input type="checkbox"/>	More than 50 tonnes per year	<input type="checkbox"/>
Less than 1 ton per year	<input type="checkbox"/>										
Among 1 and 5 tonnes per year	<input type="checkbox"/>										
Among 5 and 10 tonnes per year	<input type="checkbox"/>										
Among 10 and 50 tonnes per year	<input type="checkbox"/>										
More than 50 tonnes per year	<input type="checkbox"/>										



The project is co-funded by the European Union and by National Funds of the Countries participating in the Interreg IPA CBC Programme "Greece – The former Yugoslav Republic of Macedonia 2014-2020.

Section A: Enterprise's facilities		
5. Are you already exploiting some waste/residues or by-products flow(s) of your production process?	No	<input type="checkbox"/>
6. Obstacles for Sustainable & Environmental Friendly Waste Management <i>You can choose more than one answers</i>	Yes (please describe) 1. 2. 3.	<input type="checkbox"/>
7. Are you aware of a method and / or technique where one (and / or more) of the waste/residue flow(s) that you produce can be exploited as “raw material” and / or by-product?	Lack of waste managers network	<input type="checkbox"/>
	High cost of transportation	<input type="checkbox"/>
	The small amount of waste I generate	<input type="checkbox"/>
	Lack of organized collection and transmission network	<input type="checkbox"/>
	It costs me more than those of my competition located in other regions	<input type="checkbox"/>
	Other (please describe)	<input type="checkbox"/>
7. Are you aware of a method and / or technique where one (and / or more) of the waste/residue flow(s) that you produce can be exploited as “raw material” and / or by-product?	No	<input type="checkbox"/>
	Yes (please describe and identify the reasons why you are not already exploiting it)	<input type="checkbox"/>



Section A: Enterprise's facilities		
<p>8. Do you know if you can use any waste/residues or by-product from other enterprises as raw material for your production process?</p> <p><i>If you answered No, proceed to question 10</i></p>	<p>No <input type="checkbox"/></p> <p>Yes (please describe and identify the reasons why you are not already using it) <input type="checkbox"/></p>	
<p>9. Waste Flow(s)/residues or by-products quantity(ies) that you can use from other enterprises</p> <p><i>Add waste or by-product and its quantity</i></p>	<p>Please describe:</p> <p>1.</p> <p>2.</p> <p>3.</p>	
<p>10. Primal utility of your process (e.g. water, natural gas, oil)</p> <p><i>You can choose more than one answers</i></p>	<p>Water <input type="checkbox"/></p> <p>Electricity <input type="checkbox"/></p> <p>Diesel <input type="checkbox"/></p> <p>Natural Gas <input type="checkbox"/></p> <p>Biomass <input type="checkbox"/></p>	



The project is co-funded by the European Union and by National Funds of the Countries participating in the Interreg IPA CBC Programme "Greece – The former Yugoslav Republic of Macedonia 2014-2020.

Section B. Waste flows per facility		
<p>1. Waste/residues flows of your facilities (included by-products)</p> <p>Complete with reference on:</p> <ul style="list-style-type: none"> a. Physical state b. Quantity (per year) c. Known chemicals (e.g. organics, salts) d. Periodicity e. Management cost (per year) 	<p>Please describe:</p> <ol style="list-style-type: none"> 1. 2. 3. 4. 	
<p>2. Do you use any waste/residues or by-product from other enterprises as raw material for your production process?</p>	<p>No</p>	<input type="checkbox"/>
	<p>Yes (please describe)</p> <ol style="list-style-type: none"> 1. 2. 3. 	<input type="checkbox"/>



Section C. Participation to symbiotic networks		
<p>1. Are you willing to participate in a symbiotic network where your waste/residues and/or by-products flows (including waste water) can be exploited by other entities as raw materials?</p> <p><i>You can choose more than one answers</i></p>	No	<input type="checkbox"/>
	Yes, if it was economically preferable for my enterprise	<input type="checkbox"/>
	Yes, if it did not incur additional cost	<input type="checkbox"/>
	Yes, because of environmental issues	<input type="checkbox"/>
	Other (please describe)	<input type="checkbox"/>

Section D: Comments & Feedback

Section E:		Contact Information
1. Company Name		
2. Address	Street / Location	
	Number	
	ZIP Code	
	Municipality	
	Perfecture	
	Phone	
	E-mail	
	Web-Site	

I have been informed about the purpose of this study, which is conducted within the framework of SYMBIOSIS project, and I participate voluntarily	<input type="checkbox"/>
I know the propriate environmental waste management practices of the company based on its activity	<input type="checkbox"/>
I want to be further informed about good environmental waste management practices in the company	<input type="checkbox"/>
I do agree my company's data to be posted, from the questionnaire to the symbiotic platform of the project that has been created	<input type="checkbox"/>

Confidentiality Agreement

All data will be used only for the INTERREG IPA CBC SYMBIOSIS Project

Place and Date

Name – Position – Signature

Thank you for participating!



The project is co-funded by the European Union and by National Funds of the Countries participating in the Interreg IPA CBC Programme “Greece – The former Yugoslav Republic of Macedonia 2014-2020.

Personal data

What is the purpose of the questionnaire?

The collection of information in this questionnaire is carried out in the framework of the implementation of a European Cross Border Cooperation Program, which is being developed by DIADYMA SA. The information gathered will be processed a non-automated way to draw conclusions and develop cooperative structures of circular economy.

Who will keep your personal data and why?

The data will confidentially be kept by the DIAGNOSIS and, if agreed, will be posted to the symbiotic platform of the project where you can edit, modify and / or delete them.

Why do we need your personal information?

We ask for your name and phone to check the accuracy and completeness of the questionnaires by the investigator.

Who will process your personal data and for how long?

The collection, maintenance and further processing of the data will be done by DIADYMA SA, which will perform the data processing. The data will be retained for a period of 5 years after the expiration of SYMBIOSIS project, time required by the project. They will then be destroyed in a legal and safe manner.

What are your rights to your personal data?

You have the right to access, ie to receive a copy of the questionnaire, a right to rectify, if any of the information entered in the questionnaire was incorrectly misspelled, a right of complaint to the Personal Data Protection Authority, if you find any irregularity in the processing of your data, the right to delete, at any time you wish, ask us to delete your data.

Processing Manager:

DIADYMA SA, 6th km of Kozani-Ptolemaida, tel: 24610 45531

Supervising Authority:

Personal Data Protection Authority, Tel: 210 6475600

