

Description of the 1stPublicConsultation meeting

The event of the 1st Public Consultation took place the 4th semester of the implementation of the SYMBI project, covering the period October-March 2017-2018. The 1st Public Consultation meeting theme was:

“Industrial Symbiosis and Circular Economy-Discussion over the existing policies, investing possibilities, good practices and green public procurement.” in line with the methodology developed by the Andalusian Regional Ministry of Environment and Spatial Planning.

The Public Consultation event, organized by Municipality of Kozani, was held on Wednesday, March 28, 2018 in Koventario, in the city of Kozani

The total participants in the event were:20.

In detail, the following stakeholders were participated:

Institution	Number of participants
Municipality of Kozani	6
Municipal Enterprise for Water Supply and Sewerage of Kozani	1
Waste Management of Western Macedonia S.A.	2
Athena R.C.	2
Technological Educational Institute of Western Macedonia	1
University of Western Macedonia	1
Union of Municipalities of W. Macedonia	1
National Technical University of Athens	1
Public Power Corporation SA	1
Technical Chamber of Greece	2
Certh/Cperi(Εκετα)	1
Bioenergy and Environment Cluster of Western Macedonia	1
Total institutions:12	Total participants:20

In order to inform the public a press release was released with informative material about the main themes. The press release, with the online questionnaire, was displayed on the site of the Municipality of Kozani from the beginning of March.

Γραφείο Τύπου Δήμου Κοζάνης

Εκδήλωση δημόσιας διαβούλευσης για το έργο Industrial Symbiosis for Regional Sustainable Growth and a Resource Efficient Circular Economy
(16/03/2018)



SYMBI
Interreg Europe

SYMBI aims at supporting the transition towards a resource efficient economy through industrial symbiosis, establishing territorial synergies to manage waste and exchange energy and by products as secondary raw resources.

www.interregeurope.eu/symbi

An interregional cooperation project for improving resource-efficient economy policies

Project Partners

Municipality of Kozani, Development and Planning Bureau (EL)
Environment and Territory Regional Ministry (ES)
Foundation FUNDECYT Scientific and Technological Park of Extremadura (ES)
Hime University of Applied Sciences Ltd (FI)
Regional Council of Hame (FI)
Pannon Novum West-Transdanubian Regional Innovation Non-Profit Ltd (HU)
Chamber of Commerce of Molise (IT)
The Malopolska Region (PL)
Government Office for Development and European Cohesion Policy (SI)

 Environment & Resource

 1.36 M ERDF

 Apr 2016
Mar 2021

 European Union
European Regional
Development Fund

Ο Δήμος Κοζάνης συμμετέχει ως εταίρος στην υλοποίηση του έργου Industrial Symbiosis for Regional Sustainable Growth and a Resource Efficient Circular Economy με ακρωνύμιο SYMBI που χρηματοδοτείται από το Ευρωπαϊκό Πρόγραμμα Interreg Europe και εθνικούς πόρους. Στο έργο, που έχει συνολική διάρκεια 5 έτη (1/4/2016 – 31/3/2021), συμμετέχουν 9 εταίροι από 7 ευρωπαϊκές χώρες :

- Ινστιτούτο Fundecyt, Επιστημονικό και τεχνολογικό πάρκο της Περιφέρειας Εξτραμαδούρα (Ισπανία) ως επικεφαλής εταίρος
- Περιφέρεια της Ανδαλουσίας, Περιφερειακό Υπουργείο Περιβάλλοντος (Ισπανία)
- Περιφέρεια της Μαλοπόλσκα (Πολωνία)
- Εμπορικό Επιμελητήριο του Μολίζε (Ιταλία)
- Υπουργείο Ανάπτυξης και Ευρωπαϊκής συνοχής (Σλοβενία)
- Δήμος Κοζάνης, (Ελλάδα)
- Φορέας Περιφερειακής Καινοτομίας του Πάνον-Νόβουμ της Δυτικής Υπερδουναβίας (Ουγγαρία)
- Περιφέρεια Χάμε (Φιλανδία)
- Πανεπιστήμιο του Χάμε (Φιλανδία)

Το έργο «SYMBI» στοχεύει στην υποστήριξη και βελτίωση των Περιφερειακών πολιτικών των εκπροσωπούμενων Ευρωπαϊκών Περιφερειών σε ότι αφορά την διάχυση της βιομηχανικής συμβίωσης για να προσθέσει αξία, να μειώσει τα κόστη παραγωγής και να οδηγήσει στην ανακούφιση των περιβαλλοντικών επιπτώσεων μέσω της αύξησης της αποδοτικότητας των πόρων και την μείωση των εκπομπών των αερίων του θερμοκηπίου. Η βελτίωση των εργαλείων πολιτικής των εμπλεκόμενων περιφερειών, αναμένεται να συμβάλει θετικά στην περιφερειακή βιώσιμη ανάπτυξη και στην δημιουργία θέσεων εργασίας.

Στα πλαίσια υλοποίησης του έργου ο Δήμος Κοζάνης έχει αναλάβει την υποχρέωση διοργάνωσης τοπικών εκδηλώσεων με στόχο την ανταλλαγή εμπειριών και την διάχυση των αποτελεσμάτων. Σε συνέχεια της ημερίδας (infoday) που διοργανώθηκε το προηγούμενο εξάμηνο, έχει προγραμματιστεί εκδήλωση δημόσιας διαβούλευσης, η οποία θα

πραγματοποιηθεί στις 28 Μαρτίου στο Κοβεντάρειο στην Κοζάνη.

Για την καλύτερη οργάνωση αυτών των εκδηλώσεων οι συμμετέχοντες, αλλά και οποιοσδήποτε πολίτης επιθυμεί, καλούνται να συμπληρώσουν σχετικό ερωτηματολόγιο που έχει αναρτηθεί στην ιστοσελίδα του Δήμου και να παρέχουν δεδομένα σχετικά με τη δική τους άποψη πάνω στα θέματα της εκδήλωσης.

Έναρξη διαδικασίας : 2/3/2018

Λήξη διαδικασίας : 26/3/2018

The main themes of the consultation were:

- Existing policies on industrial symbiosis and circular economy
- Investment potential in industrial symbiosis
- Good practices on ecosystems of by-product and energy exchanges
- Green public procurement as an enabler for industrial symbiosis

Results, conclusions and basic policy recommendations

Below are summarized the main conclusions, suggestions and recommendations

Summary report of the 1 st SYMBI public consultation meeting held in Kozani					
Partner organising the meeting:	Municipality of Kozani				
Partner members organising the meeting:	Dimitris Kakoulidis , Development and Planning Bureau, Municipality of Kozani				
Details of the meeting	Number of completed pre-consultation questionnaires:	21			
	Number of registered participants:	20			
	Number of completed evaluation questionnaires:	16			
	Number of participants from each category of the target groups:	Public organization: 3 Businesses & SMEs : 3 Technical Chambers : 1 Universities & research centres: 5			
	Round of the meeting:	<table border="1"> <tr> <td>1</td> <td>2</td> </tr> <tr> <td>X</td> <td></td> </tr> </table>	1	2	X
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KPIs	Completed pre-consultation questionnaires received: 21 questionnaires Attendance: 20 participants Completed evaluation questionnaires received: 16 questionnaires				
Participants' interventions concerning theme 1 :	Regarding the completed questionnaires : <i>62% answered YES that they have noticed the industrial symbiosis and circular economy in their region through projects such as: SDIT for waste management, reuse of airborne Ash and conduction of raising awareness events. The same people answered that the existing policies are ineffective due to the lack of experience, awareness and incentives, businessmen unwillingness, priority to individual projects and</i>				

	<p><i>inappropriate institutional framework.</i></p> <p>90% answered YES that the Special Developmental Programme of Western Macedonia should found actions for raising awareness.</p> <p>Regarding the participants' suggestions for policies improvement:</p> <ul style="list-style-type: none"> - Enhance the creation of public-private networks - Clear legislative provisions - Cooperation of different levels of administration - Exploitation of the Special Development Programme of Western Macedonia
<p>Participants' interventions concerning theme 2 :</p>	<p>Regarding the completed questionnaires:</p> <p>52% answered YES that they are aware of the investment chances of their region such as: Industrial Area of Kozani, exploitation of wood waste, exploitation of bio-waste for biogas, SDIT and exploitation of Airborne Ash. The same people answered that the problems, in seeking and exploiting these investment chances, are: implementation complexity, lack of awareness, founding and cooperative culture.</p> <p>Regarding the participants' suggestions for investment potential:</p> <ul style="list-style-type: none"> - Financial instruments should include criteria based on circular economy and industrial symbiosis - Administration should inform companies about funding programmes
<p>Participants' interventions concerning theme 3:</p>	<p>Regarding the completed questionnaires:</p> <p>52% answered that they are aware of some successful examples of industrial symbiosis in their region such as: SDIT, ELPIS LLC (production of combustible biomass in the form of pellet), Waste Management Unit (MEA), district heating by DEI, Airborne Ash and industrial by-products exploitation. The same people answered that the obstacles in this kind of symbiosis are the following: lack of awareness, incentives, culture and specific framework and bureaucracy.</p>

	<p>Regarding the participants' suggestions for good practices :</p> <ul style="list-style-type: none"> - Symbi programme should be used as a tool for dissemination of good practices in circular economy - Platform development for the dissemination of information about circular economy projects. 																																																
<p>Participants' interventions concerning theme 4:</p>	<p>Regarding the completed questionnaires:</p> <p>9,5% answered YES that they know about the founding of Industrial Symbiosis and Circular Economy projects by green public procurements, which amplify the symbiosis. The same people answered that the problems during the implementation of those, are the lack of awareness and the enhancing of upper quality solutions.</p> <p>Regarding the participants' suggestions for green public procurement :</p> <ul style="list-style-type: none"> - Legislative provisions 																																																
<p>Participants' other interventions:</p>	<p>-</p>																																																
<p>Evaluation of the meeting:</p>	<table border="1"> <thead> <tr> <th>Score</th> <th>How would you rate the quality of the organization of the meeting?</th> <th>Do you think that the time allocated to each topic was sufficient?</th> <th>How would you rate the quality of the proposed policies?</th> <th>How would you rate the quality of the discussion during public hearings?</th> <th>How would you rate the quality of the discussion during the workshop?</th> <th>Do you agree that the meetings will lead to improvements in the proposed policies?</th> <th>The meeting as a whole has been appropriate and productive?</th> </tr> </thead> <tbody> <tr> <td>5</td> <td>94%</td> <td>44%</td> <td>56%</td> <td>62%</td> <td>31%</td> <td>63%</td> <td>75%</td> </tr> <tr> <td>4</td> <td>6%</td> <td>56%</td> <td>31%</td> <td>38%</td> <td>69%</td> <td>19%</td> <td>25%</td> </tr> <tr> <td>3</td> <td>0%</td> <td>0%</td> <td>13%</td> <td>0%</td> <td>0%</td> <td>6%</td> <td>0%</td> </tr> <tr> <td>2</td> <td>0%</td> <td>0%</td> <td>0%</td> <td>0%</td> <td>0%</td> <td>13%</td> <td>0%</td> </tr> <tr> <td>1</td> <td>0%</td> <td>0%</td> <td>0%</td> <td>0%</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> </tbody> </table>	Score	How would you rate the quality of the organization of the meeting?	Do you think that the time allocated to each topic was sufficient?	How would you rate the quality of the proposed policies?	How would you rate the quality of the discussion during public hearings?	How would you rate the quality of the discussion during the workshop?	Do you agree that the meetings will lead to improvements in the proposed policies?	The meeting as a whole has been appropriate and productive?	5	94%	44%	56%	62%	31%	63%	75%	4	6%	56%	31%	38%	69%	19%	25%	3	0%	0%	13%	0%	0%	6%	0%	2	0%	0%	0%	0%	0%	13%	0%	1	0%	0%	0%	0%	0%	0%	0%
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**Conclusions
and policy
advice:**

Overall the attendees were quite satisfied by the organization of the consultation meeting.

The basic results and conclusions which derive from the evaluation of questionnaire are:

- The residents of this region are aware of industrial symbiosis and circular economy, the most prevalent examples are SDIT for waste management and reuse of Airborne ash. Additional examples of industrial symbiosis are the exploitation of dry lignite and steam, which is emitted by the cooling towers of DEI, in order to heat the nearby greenhouses. About circular economy, was referred the recycling and use of byproducts, which are produced with materials such as tire and other.
- As basic policy recommendations, the attendees recommend better exploitation of Special Developmental Program and raise awareness.
- It would be beneficial if private sector enhances the trial and a support mechanism was established.
- All the above require the structural change of the institutional framework and the development of certification standards for the use suitability of byproducts.
- Further utilization of DIADYMA and DEI with the view to enhance industrial symbiosis and circular economy.

