European Union
European Regional
Development Fund

RESINDUSTRY
Interreg Europe

DOSSIER

7th RESINDUSTRY MEETING

Gozo, Malta

27 – 28 April 2022

CTU UCEEB

LAB University of Applied Sciences

agencia extremeña de la energía

Tartu Regiooni Energiaagentuur
Tartu Regional Energy Agency

FH Vorarlberg
University of Applied Sciences

MINISTRY FOR GOZO

Index

Introduction

RESINDUSTRY aims to increase the energy independency of the EU industry sector, by decreasing its energy intensity trough a higher integration of RES. The long-term objective is to increase the industry competitiveness by decreasing its energy bill, rising their energy independency, thus uncoupling their energy costs from geopolitical externalities.

To achieve these long-term strategic objectives, the short-term objectives are to booster RES investment in industry by improving Ops with new policies for RES promotion.

MAIN OUTPUTS

- 7 Action Plans influencing 8,1 M€ of SF and 2,5 M€ non SF
- 90 participants with increased capacity
- 83 policy learning events
- 10 Best Practices for Policy Learning Platform
- 7 Regional Assessments, including the Strategic Analysis of RES Technologies for regional industry and KPIs reports.

PROJECT PARTNERS

- Czech Technical University in Prague, University Centre for Energy Efficient Buildings (CZ)
- LAB University of Applied Sciences (FI)
- Extremadura Energy Agency (ES)
- Tartu Regional Energy Agency (EE)
- Marshal Office of Świętokrzyskie Region (PL)
- Vorarlberg University of Applied Sciences (AT)
- Ministry for Gozo (MT)

7th Interregional Event Summary

On the 27th and 28th of April 2022, the EcoGozo Directorate within the Ministry for Gozo hosted the seventh and last RESINDUSTRY meeting for phase one, which brought together project partners, local, regional and national stakeholders, influential in the field renewable energy sources (RES). The event gathered participants covering all four helices - industry, governments, academia and citizens.

The first day included an interregional workshop which started with MGOZ's welcome ceremony and continued with the lead partner presentation on the actual status of the project. Michal Tobias presented the current status of the project implementation, subsequently followed by discussions on communication management and plan for phase 2 of the project. Mr Miroslav Honzík from the Ministry of Industry and Trade in Czech Republic gave an overview for support of energy savings in the Framework of OP TAC 2021 – 2027 and Ex-ante evaluation of energy savings programme OP EIC 2014 – 2020. Later each partner presented a presentation with brief details about the region they are coming from, general overview of the main industries and the major RES used in their region as per the market analysis, the current policy and any changes proposed. The main part of each presentation included information about the goals to be set in their Action plan which is to be submitted in two weeks and the goals set for phase two of the project.

On the following day, on Thursday 28th March, a Steering committee was held between partners followed by a Study Visit in a food processing industry, Magro Food Village and at a furniture industry, FXB.

In this regard, the study visit focused on showing the physical area and the processes of both industries, and representing how their performance supports and influences implementation of RES in the region. Partners learnt how Magro brothers invested and use 1,600 PV panels with a reduction of 422 tonnes of Carbon dioxide per year and what measures they had introduced to be more energy efficient. FXB focused also on their combination of solar and wind energy to decrease their CO_2 emissions and increase their energy independency.

European Union
European Regional Development Fund

RESINDUSTRY
Interreg Europe

Agenda 1st day

Interregional Workshop 7 (IW7)

Wednesday, 27 April 2022

Venue: Ta' Cenc Hotel & Spa, Triq Ta' Cenc, Ta' Sannat, Gozo

Time: 09:00 – 14:30 (GMT+1)

08:45 – 09:00 TRANSPORTATION TO TA' CENC HOTEL & SPA 15 min

- **Meeting Point**: Victoria Parking Lot, Triq Giorgio Borg Olivier, Victoria, Gozo. Partners and stakeholders who will make use of this transportation are required to fill out the excel sheet.

09:00 – 09:30 REGISTRATION & WELCOMING COFFEE 30 min

09:30 – 09:45 INTRODUCTION 15 min

- **Introduction to the RESINDUSTRY Project**
  ecoGozo Director, *Mr. Joseph Cutajar*

09:45 – 10:00 RESINDUSTRY PROJECT 15 min

- **Overview of RESINDUSTRY Project**
  Lead Partner of the RESINDUSTRY Project, University Centre for Energy Efficient Buildings, Czech Technical University in Prague

10:00 – 10:15 EVALUATION OF ENERGY SAVINGS 15 min

- **Presentation by Mr Miroslav Honzík, from the Ministry of Industry and Trade in Czech Republic**
  Ex-ante evaluation of energy savings programme OP EIC 2014 - 2020 and support energy savings in the framework OP TAC 2021 – 2027

10:15 – 10:30 Q&A Session 15 min

- **Questions with regards to the project and presentations**

10:30 – 10:45	**COFFEE BREAK**	**15 min**

10:45 – 12:30	**ACTION PLAN**	**105 min**

- **Presentation of RESINDUSTRY Project Partners (15 mins per partner)**
  Overview of Action Plan for RESINDUSTRY

12:30 – 12:45	**CLOSING OF INTERREGIONAL WORKSHOP**	**15 min**

- Instructions for guided tour at Cittadella and Social Dinner for the evening and Study Visit for the following day.

12:45 – 14:30	**LUNCH**	**90 min**

European Union
European Regional Development Fund

RESINDUSTRY
Interreg Europe

Agenda 2nd day

Steering Committee Meeting (SCM)
&
Study Visit

Thursday, 28 April 2022

Venue: Cittadella Sentinella Centre, Triq il-Fosos, Victoria, Gozo

Time: 09:00 – 14:00 (GMT+1)

08:00 – 08:30	**REGISTRATION & MORNING COFFEE**	**30 min**
08:30 – 10:00	**STEERING COMMITTEE MEETING**	**90 min**

- **Steering Committee Meeting**
  Lead Partner of the RESINDUSTRY Project, University Centre for Energy Efficient Buildings, Czech Technical University in Prague

10:15 – 10:30	**TRANSPORTATION TO MAGRO BROTHERS**	**15 min**
10:30 – 12:30	**STUDY VISIT AT MAGRO BROTHERS & FXB GROUP**	**60 min**

- Group 1 - Visit at Magro Food Village in Xewkija
- Group 2 – Visit at FXB GROUP in Xewkija

10.30 – 12:30	**STUDY VISIT AT MAGRO BROTHERS & FXB GROUP**	**60 min**

- Group 1 - Visit at FXB GROUP in Xewkija.
- Group 2 - Visit at Magro Food Village in Xewkija

12:30 – 14:00	**LUNCH AT COUNTRY TERRACE RESTAURANT, GĦAJNSIELEM**	**90 min**
14:00 – 14:15	**TRANSPORTATION TO MĠARR HARBOUR AND VICTORIA, GOZO**	**15 min**

Interregional Workshop Partners Action Plan

Czech Republic – CTU University

RESINDUSTRY Interreg Europe

PROPOSED MEASURES FOR ACTION PLAN

Increased dissemination of the policy instruments provided

Benefiting from RES use

Simplifying the administration needs and personal consultancy

14

Final remarks

RESINDUSTRY Interreg Europe

NEW program season OPTAK (2021 -2027)

Specific target – promotion of energy from renewable sources

The Policy Instrument similar to the previous.

Changes to the Policy Instrument proposed during the LSG meeting and Policy Breakfast .

The Action plan in preparation, major bariers to be addressed:

1) Administrative complexity
2) Dissemination within the target groups
3) Conditions for granting a subsidy

Finland – LAB University

RESINDUSTRY Action Plan

Action 1: Influencing renewables on strategy level

- Climate Action Roadmap (Policy Change 1 approved)
- Circular Economy Roadmap ("Piloting and demonstrating innovative solutions & "Internationally interesting circular economy reference sites" = RESINDUSTRY GPs

Action 2: Promoting biomass (energy) production and utilization

- SaMaRa (Policy Change 2 approved)
- 5R Refinery (Policy Change 4 submitted)
- New regional development project

Action 3: Promoting wind energy

- Regional wind energy study (Policy Change 3 approved)
- New regional development project

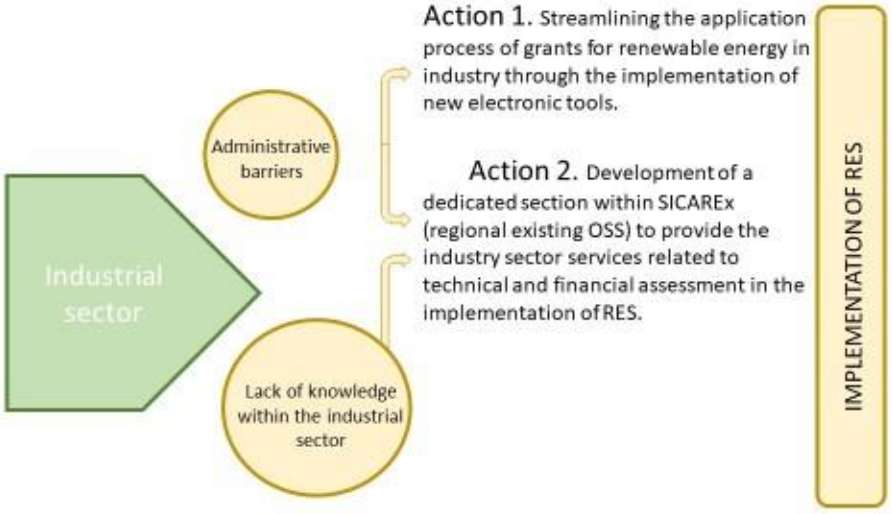
Action 4: Renewable energy storage (inspired by MALFINI– Expert Mission)

- New regional development project

9

Spain – AGENEX

Propose actions in order to confront barrier encountered.



9

Action Plan actions

Objective	Action	Task (sub-action)
Increase the energy independency and competitiveness of Estonian industry sector by decreasing its energy intensity through a increasing energy efficiency and higher integration of RES.	**1. Adapting policy instrument's measure "resource efficiency of enterprises" to activities related to renewable energy and energy efficiency.**	1.1. Clarifying interests and needs of industrial sector companies regarding implementing renewable energy sources in the context of improving resource efficiency
		1.2. Extension of eligible costs of the enterprise resource efficiency measure with renewable energy solutions and energy efficiency measures.
	2. Supporting activities for the development of resource efficiency of enterprises	2.1. Awareness raising of industrial sector companies and their representative organizations
		2.2. Developing the competencies of external experts and auditors

8

Poland – MOSR

Action 1

The background (please describe the lessons learnt from the project that constitute the basis for the development of the present Action Plan)

Inspired by the good practice indicated by the project partner from Finland (the institution involved in the project is LAB University of Applied Sciences), it was proposed to implement a similar task in the Świętokrzyskie voivodeship, adapting it to the possibilities of the Polish project partners. As a result, biomass would be used for heat production

Action 2

1. The background (please describe the lessons learnt from the project that constitute the basis for the development of the present Action Plan)

By reviewing the good practice of Veeli Oeselg with support from Civitta Eesti AS of Estonia on biogas production using anaerobic digestion of wastewater generated by the company, the possibility of transferring this activity to the Świętokrzyskie Voivodeship in cooperation with municipal wastewater treatment plants was identified .

9

Action 3

1. The background (please describe the lessons learnt from the project that constitute the basis for the development of the present Action Plan)

Considering the good practice implemented by the company H.R.G. spol. s.r.o. company from the Czech Republic, taking into account the similar values of insolation occurring in Poland, considering the financial conditions of energy purchase by enterprises, this action can be transferred to the Świętokrzyskie Voivodeship .

10

Austria – FHV

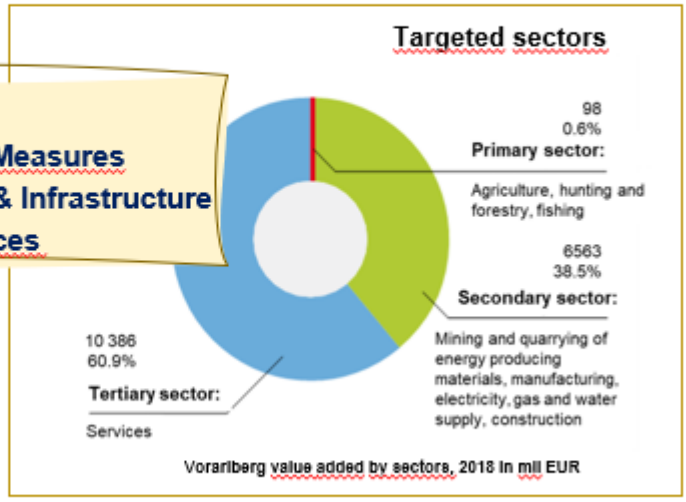
Action Plan

Actions
Initial action plan structure

- Updating the **methodology for monitoring** and evaluation in the scope of the policy instrument.
- Promoting the role of **industrial companies as prosumers**
- Advancing the way **thematic calls** are organised and the selection procedure of RES projects.
- **Integrating environmental** measures into different measures of operational program, and stimulation of green practices into operational performance of companies.
- Addressing **policy inconsistencies**, mixed signals to investors and long-term sustainable growth.
- Advancing policies that: **stimulate the larger share of RES** in the national electricity mix; support the **expansion of a local manufacturing sector**; ensure reasonable RES costs and environmental protection
- Developing and attracting skilled workers in the sector and initiating a long-term research and development programme.
- Assessing necessary measures for energy **infrastructure** development.

Action Plan

Structure
A1. Operational Measures
A2. Technology & Infrastructure
A3. Green practices



Malta – MGOZ

Action Plan

1. **New Call for proposals with improved technology**
2. **Support mechanisms for energy audits in industries**

- Launching of a new call for projects
- Follow-up activities with stakeholders
- Impact Monitoring in phase two for calculating the long-term impact of Structural Funds
- Creation of a community channel between industries and managing authority so the final beneficiaries will be able to influence call definition or provide feedback

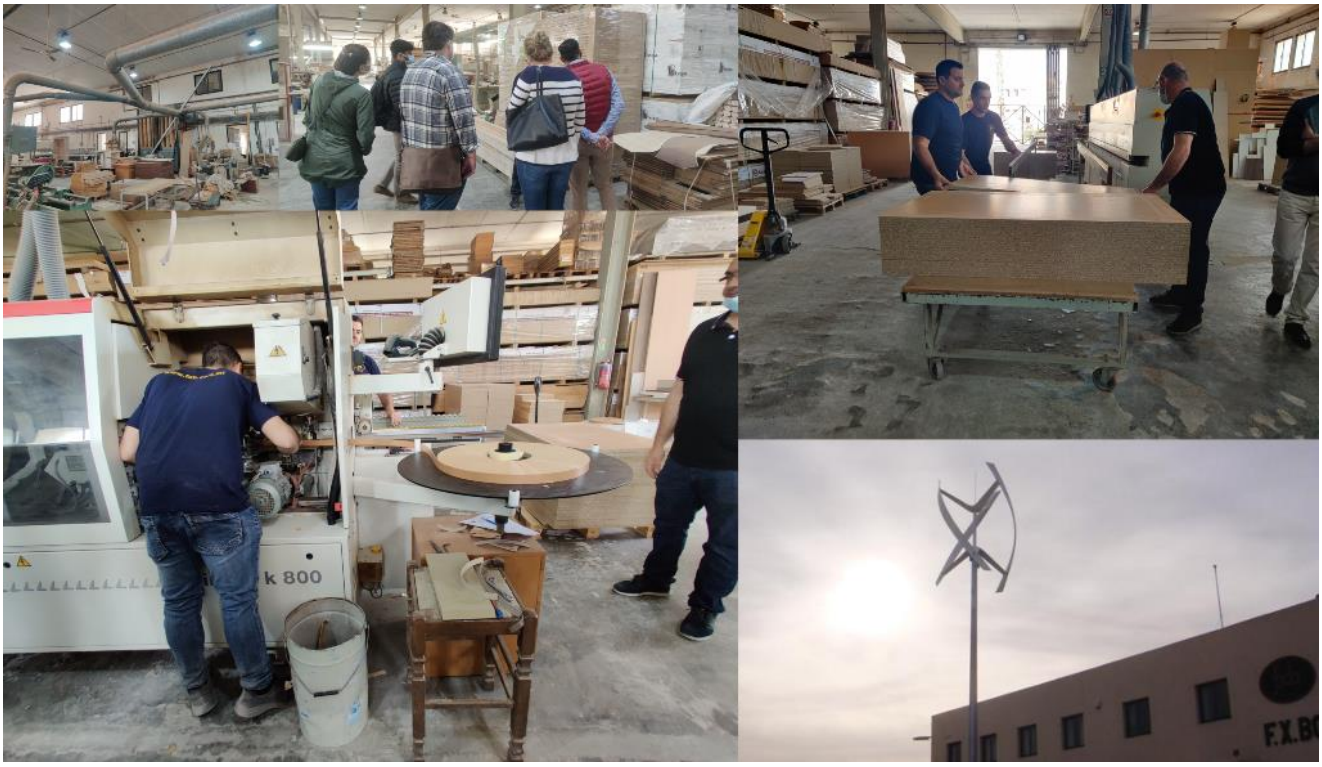
Photos from IW7

Study Visit at FXB

The company FXB Group manufactures furniture for the local domestic market. The operation of such manufacturing operation is quite energy demanding. In fact, the building consumes around 800,000 kWh annually. In an effort to decrease the building's energy demand, the company decide to partially cover the consumption of the building by installing a solar PV system and a vertical axis wind turbine.

The main goal is to increase the share of renewable energy sources and thus reduce the greenhouse gas emissions by exploiting solar power and wind power through the installation of a solar PV system and a wind turbine. The entire PV system is made up of 334 PV panels each having a peak power of 300 Wp, making the whole installation with a peak power of 100.20 kWp. The annual energy generation in 2018 reached almost 160 MWh which is equivalent to a reduction of 112 tonnes of carbon dioxide emissions per year. The solar PV panels are modern monocrystalline silicon type, which although more expensive have a higher efficiency. The wind turbine which is three metres in diameter, is an urban environment model designed to be completely silent and space-efficient. It is capable of generating four units of electricity at optimum wind speeds.

The practice reaches its objectives since the installation of the PV system completely offsets the conventional energy demanded by the building from renewable energy sources, contributes to the achievement of the 10% share of renewable energy generated and contributes to a cleaner environment by reducing carbon dioxide emissions.



Study Visit at Magro Food Village

The Magro Brothers Firm is one of the largest food processing companies in Malta. Its main production line is the processing of tomatoes, cheeses and dairy products. The operation of such manufacturing operation is quite energy intensive. Although the plant operates with a regenerative cycle to increase the efficiency, the plant consumes around 2,000 MWh annually. In an effort to decrease the building's energy demand, the business decided to cover the consumption of the building by installing a solar PV system.

The main goal is to reduce the energy demand of the building by exploiting solar power through the installation of a solar PV system. The entire PV system is made up of 1,600 PV panels with a total peak power of 380 kWp. The annual energy generation in 2018 reached almost 600 MWh which is equivalent to a reduction of 422 tonnes of carbon dioxide emissions per year. The solar PV panels are modern monocrystalline silicon type, which although more expensive have a higher efficiency.

The practice reaches its objectives since the installation of the PV system completely offsets the conventional energy demanded by the building from renewable energy sources, contributes to the achievement of the 10% share of renewable energy generated and contributes to a cleaner environment by reducing carbon dioxide emissions.