



# Introduction to AgroRES experience

**Consortium Extremadura Energy Agency - AGENEX**

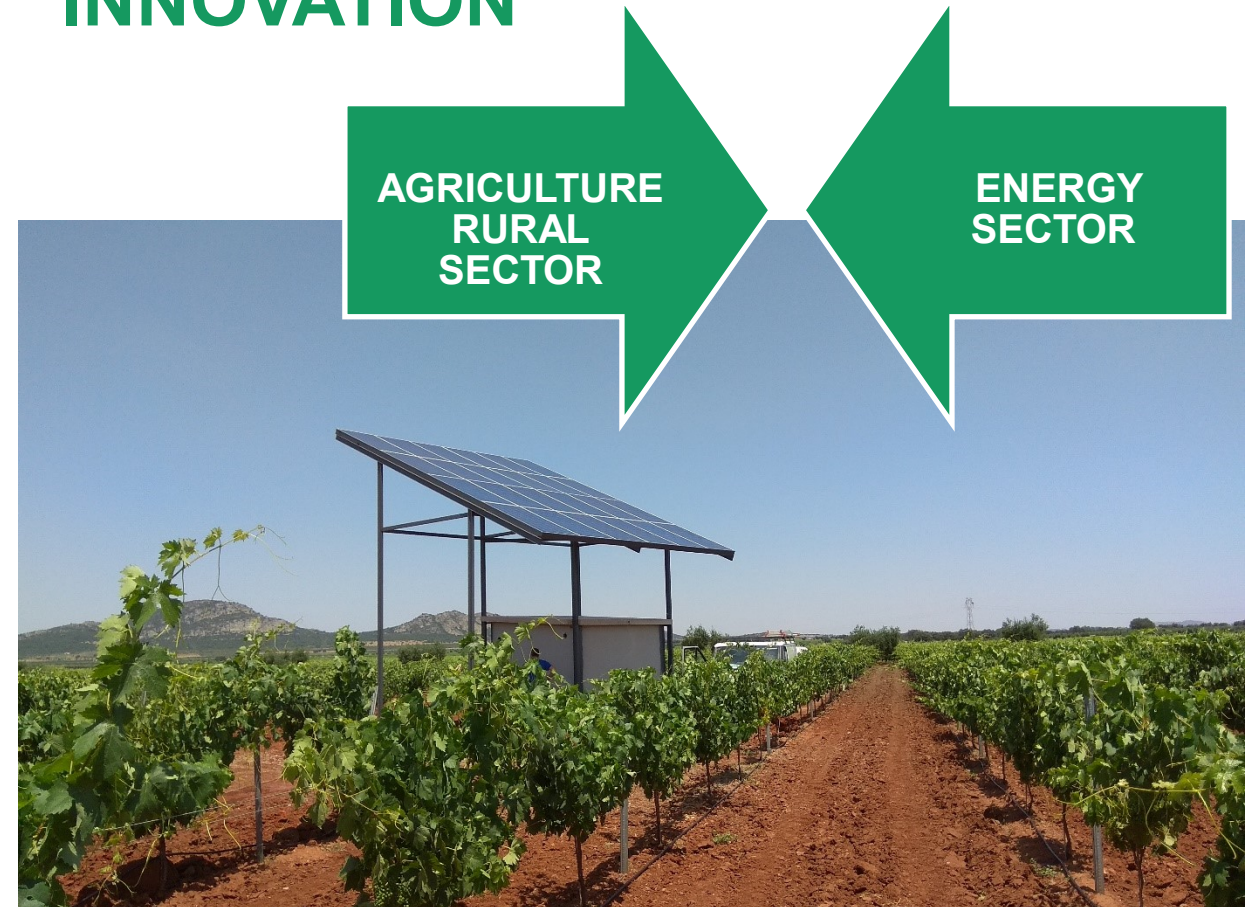
Leader partner of AgroRES project

**Ana Martinez**

## INNOVATION

AgroRES main objective is to **develop measures that encourage the production and use of RE in the agricultural and rural sector.**

AgroRES is supporting this sector by solving its energy needs in a sustainable, economic viable and socially responsible way.



## Expected outputs and results





# EXCHANGE OF EXPERIENCES



INCREASING  
CAPACITY BUILDING

22 GOOD PRACTICES IDENTIFIED

3+1YEARS

7 ACTION PLANS

113 STAKEHOLDERS

Lessons learnt ??

COMMON NEEDS

JOINT SOLUTIONS

workshops

7 REGIONAL SELF-ASSESSMENTS

6 interregional events

+

45 local stakeholder meetings



## Good Practices Guide – around 70 GPs identified



4  
Good Practices Guide

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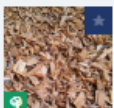
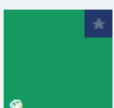

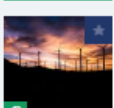



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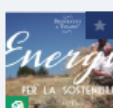


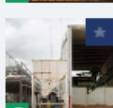


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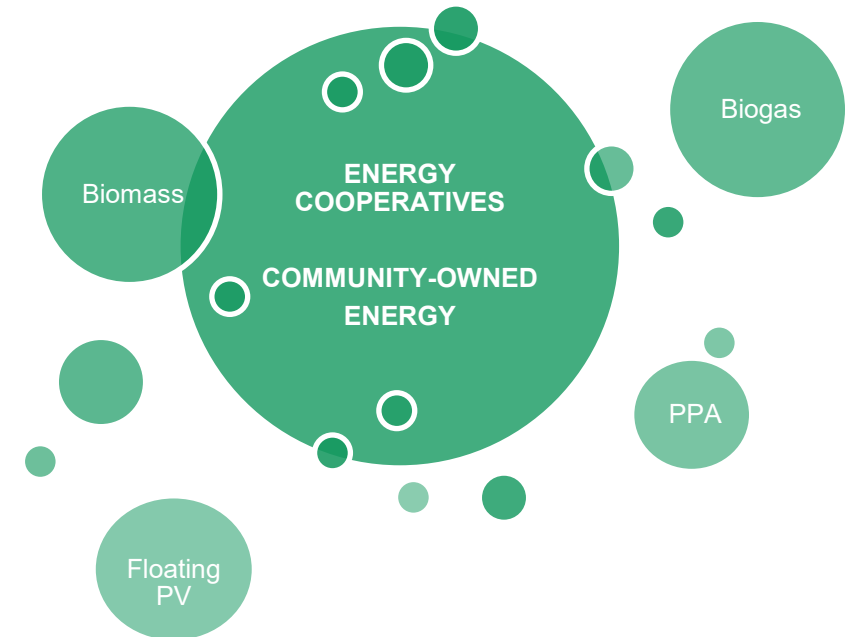
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Investing in Renewable Energies for Agriculture



# OUTPUTS 2/2

	<b>Joint procurement and purchase of solar power</b> Joint purchase of solar power for private properties and companies was organized in North Karelia (FI) as a part of an ERDF co-financed project. <b>Location:</b> Pohjois- ja Itä-Suomi, Finland (Suomi) <b>Project:</b> AgroRES	26/08/2021
	<b>Sirkkala Energy Park -a learning, RD&amp;I and...</b> Sirkkala Energy Park is a learning and research environment for bioeconomy. <b>Location:</b> Pohjois- ja Itä-Suomi, Finland (Suomi) <b>Project:</b> AgroRES	12/08/2021
	<b>Solar photovoltaic pumping for field irrigation</b> Zujar Irrigation Community has become the first in Extremadura to start up a photovoltaic plant to reduce the electricity bill. <b>Location:</b> Extremadura, Spain (España) <b>Project:</b> AgroRES	29/07/2021
	<b>Eno Energy Cooperative</b> The Eno Energy Cooperative generates heat from energy wood for local public buildings, commercial premises and housing companies. <b>Location:</b> Pohjois- ja Itä-Suomi, Finland (Suomi) <b>Project:</b> AgroRES	19/07/2021
	<b>O'Shea Farms 250kWp Solar PV Project</b> Installation of 250kWp Solar PV system for on-site energy use. The project was supported by the Better Energy Communities (BEC) grant scheme. <b>Location:</b> Southern and Eastern, Ireland (Éire) <b>Project:</b> AgroRES	29/10/2020
	<b>J &amp; M Dairies Solar PV Installation</b> Installation of PV panels with a capacity of 9.54kWp and with 10kWh battery storage system in a Dairy Farm. <b>Location:</b> Southern and Eastern, Ireland (Éire) <b>Project:</b> AgroRES	16/10/2020
	<b>Synthetic Power Purchase Agreement (SPPA)</b> SPPAs enable organisations to secure renewable energy supply outside of their overall energy purchase whilst ensuring the renewables are additional and local <b>Location:</b> Devon, United Kingdom <b>Project:</b> AgroRES	14/10/2020
	<b>Local energy supply</b> Setting up of Local Energy Markets or Local Supply arrangements so renewable energy generators can sell to local energy consumers. <b>Location:</b> Devon, United Kingdom <b>Project:</b> AgroRES	14/10/2020
	<b>Renewable Heat Incentive</b> The Renewable Heat Incentive is a government scheme offering grant payments in relation to heat generated from eligible renewable technologies. <b>Location:</b> Inner London - West, United Kingdom <b>Project:</b> AgroRES	13/10/2020
	<b>Dartmoor Woodfuel Cooperative</b> Dartmoor Woodfuel Cooperative enables woodland to be made available for the biomass fuel production through co-operation between landowners and... <b>Location:</b> Devon, United Kingdom <b>Project:</b> AgroRES	13/10/2020

	<b>Countryside Productivity Scheme 2018-19</b> The Countryside Productivity Scheme 2018-19 supported the agricultural sector with investment in renewable heat infrastructure, generation and storage. <b>Location:</b> Inner London - West, United Kingdom <b>Project:</b> AgroRES	12/10/2020
	<b>RO-Energy Programme - Electrification of...</b> Financial support provided to develop off-grid households electricity <b>Location:</b> București - Ifov, Romania (România) <b>Project:</b> AgroRES	18/09/2020
	<b>Polecat Springs Solar PV</b> 50kW Solar PV system to reduce overall electricity costs and associated CO2 emissions for community water supply <b>Location:</b> Border, Midland and Western, Ireland (Éire) <b>Project:</b> AgroRES	14/09/2020
	<b>Maccarese Agricultural Company: from animal...</b> Production of electricity from two biogas plants fed by by-products derived from animal farm, such as effluents and feed waste, and from dedicated biomass. <b>Location:</b> Lazio, Italy (Italia) <b>Project:</b> AgroRES	24/07/2020
	<b>An Organic and Multifunctional Closed Cycle...</b> Organic and multifunctional closed cycle farm, with energy supply through photovoltaic and biomass. <b>Location:</b> Lazio, Italy (Italia) <b>Project:</b> AgroRES	23/07/2020
	<b>Biomass boiler house for the School Complex i...</b> Replacement of a traditional heat source with a renewable at the School Complex in Ostrów Lubelski. <b>Location:</b> Lubelskie, Poland (Polska) <b>Project:</b> AgroRES	18/06/2020
	<b>On-farm solar energy</b> Alava dairy farm is among the first farms in North Karelia, Finland, to generate electricity for the farm's needs by photovoltaic solar panels. <b>Location:</b> Pohjois- ja Itä-Suomi, Finland (Suomi) <b>Project:</b> AgroRES	18/06/2020
	<b>Production of electrical energy, cold and heat...</b> A consortium of companies and the University of Extremadura develop a prototype that uses biomass from pruning and agro-industrial waste as the ma... <b>Location:</b> Extremadura, Spain (España) <b>Project:</b> AgroRES	11/06/2020
	<b>Community-owned Energy</b> Community energy organisations offer citizens the chance to own renewable energy assets and develop funds to tackle low carbon issues. <b>Location:</b> Devon, United Kingdom <b>Project:</b> AgroRES	10/06/2020
	<b>Program for the installation of photovoltaic...</b> Providing a financing program for the instalment of photovoltaic panels for electricity production in the isolated households from rural area <b>Location:</b> București - Ifov, Romania (România) <b>Project:</b> AgroRES	25/05/2020

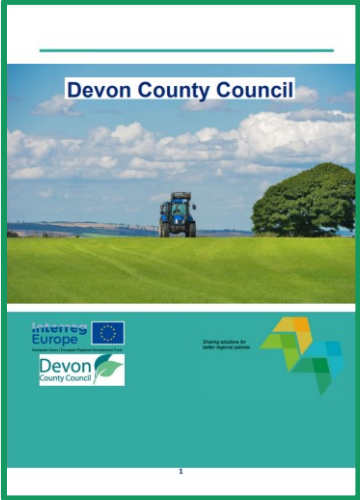
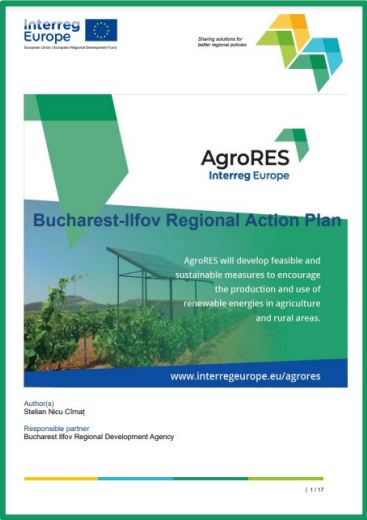
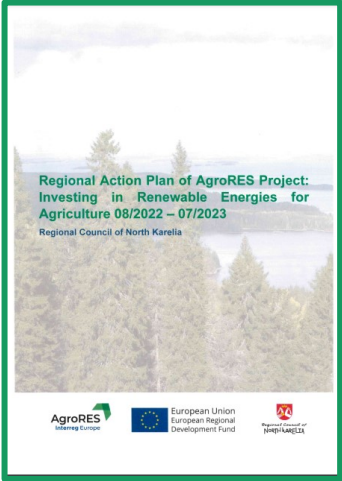


22 GPs on the Project website

	<b>Energy self-sufficient Kuittila farm</b> Kuittila farm has been almost energy self-sufficient since 2012 when the farm invested in a small CHP plant that generates electricity and heat from wood. <b>Location:</b> Pohjois- ja Itä-Suomi, Finland (Suomi) <b>Project:</b> AgroRES	19/05/2020
	<b>Floating Photovoltaic Plant</b> As a consequence of the inability to use the land, the photovoltaic plant was built on the water sheet. <b>Location:</b> Extremadura, Spain (España) <b>Project:</b> AgroRES	20/03/2020

# RESULTS 1/2

## 7 Action Plans



7 Action Plans

INNOVATIVE RES TECHNOLOGIES

STRATEGIES AND NEW REGULATIONS

HELP DESKS



# INVESTING IN RES FOR AGRICULTURE

## AGRORES EXPERIENCE

**09:00 REGISTRATION & WELCOME COFFEE**

**09:30 INSTITUTIONAL GREETINGS**

Special Commissioner of Arsiat | Andrea Napoletano

President of the Order of Agronomists | Dott. Agr. Corrado Falcetta

**09:55 EU CONTEXT**

Interreg Europe overview

Charo Camacho | Interreg Europe Policy Officer - Low-carbon economy

Introduction to AgroRES experience

Ana Martínez | AGENEX - Consortium Extremadura Energy Agency

**10:20 INNOVATIVE RES TECHNOLOGIES**

The role of biomass in domestic low carbon heating and sustainability

Charlotte Vaughan Burleigh | Devon County Council.

Energy from biogas plants in rural areas - a chance for agriculture and the environment

Alina Kowalczyk-Juśko & Grzegorz Maj | University of Life Sciences in Lublin

By-product recovery potential and energy solutions for the agri-food industry in the EUROACE area

M. Carmen Carrillo Sánchez | CTAEX - National Agrifood Technological Center – Extremadura

Achievements in the use of renewable energy for agricultural applications

Ms. Iuliana Gageanu | The National Institute of Research - Development for Machines and Installations Designed for Agriculture and Food Industry – INMA Bucharest.

**11:00 COFFEE BREAK**

**11:15 STRATEGIES AND NEW REGULATIONS**

Energy policy in the Lubelskie Voivodeship with a 2030 perspective

Adam Glab | Lubelskie Voivodeship

Improving the Climate and Energy Programme and its Implementation Plan

Pasi Pitkänen | Regional Council of North Karelia

Boosting investment in renewable energy

Kaisa Figueiredo | North Karelia Centre for Economic Development, Transport and the Environment

**11:55 HELP DESKS**

Technical and Financial support services for Energy Communities in rural areas in Extremadura

Daniel Encinas | AGENEX - Consortium Extremadura Energy Agency

RES Regional support services

Matei Smadu | Bucharest Ilfov Regional Development Agency

Targeted technical and commercial advisory service for farmers in energy intensive sectors

Mel Gavin | ATU Sligo

State of the art of AgroRES Help Desk at Lazio Region

Mauro Gaggiotti | Enosra for ARSIAT

The voice of LAZIO stakeholders

**12:50 CONCLUSIONS**

Representative of the Lazio Region

**Cosme P. Segador** | AGENEX – Consortium Extremadura Energy Agency Director

*The meeting will be chaired by Rachel C. Tully (AGENEX) and Dina Maini (ARSIAT)*

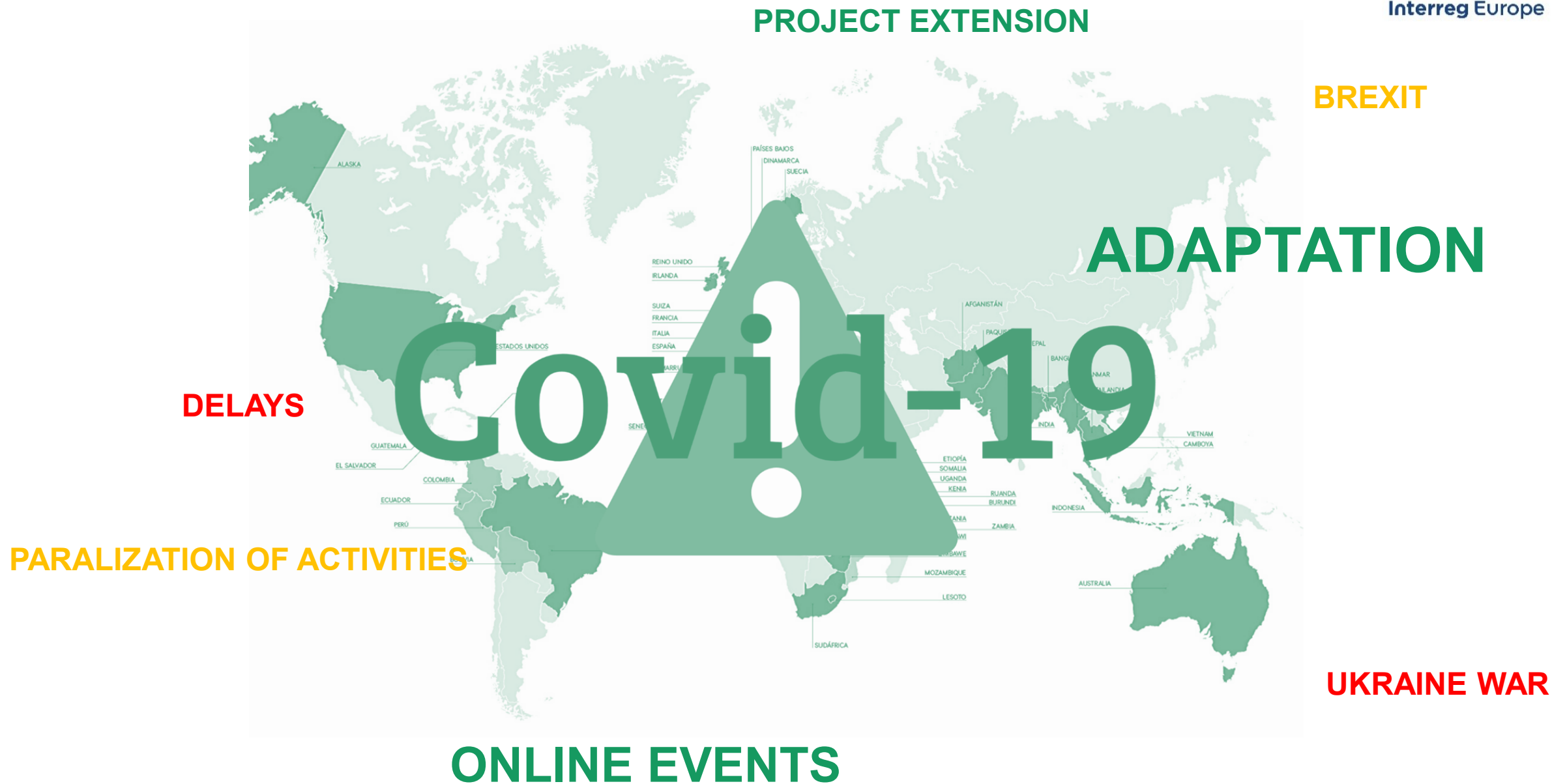
**13:00 LIGHT LUNCH**

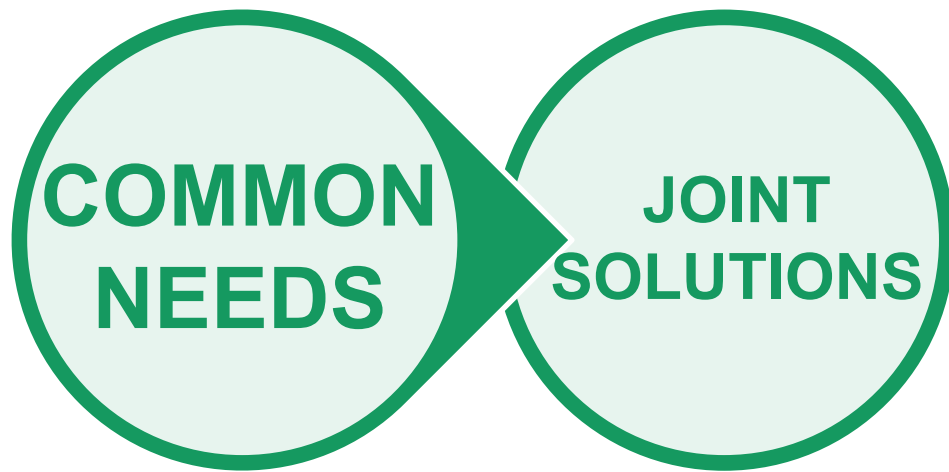
**19th of April 2023**  
**Palazzo Merulana (Rome)**

CHALLENGES



# CHALLENGES









# AgroRES

Interreg Europe



European Union  
European Regional  
Development Fund

## Thank you!

**Consortium Extremadura Energy Agency - AGENEX**

Leader partner of AgroRES project

**Ana Martinez**

Questions welcome