



H2020 MSCA RISE MAIL Project



This project has received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No 823805

Petros Patias, Charalampos Georgiadis, AUTH



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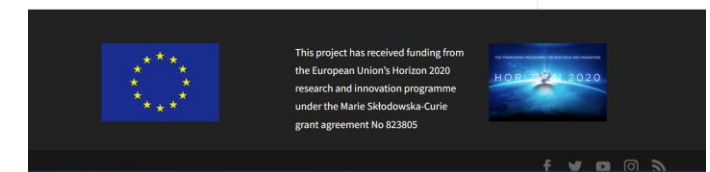
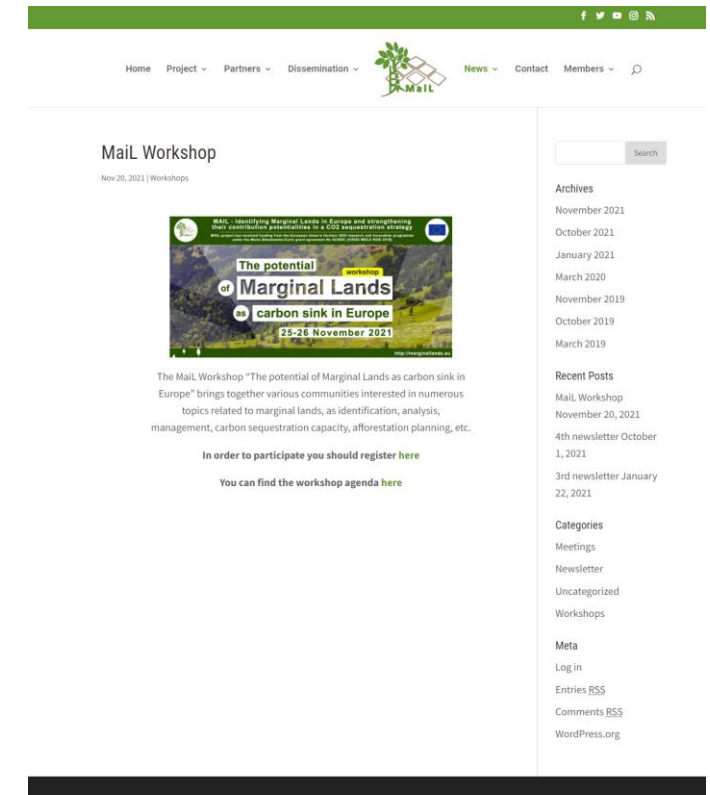




MAIL Overview

- Topic: MSCA-RISE-2018 Marie Skłodowska – Curie Research and Innovation Staff Exchange
- Identifying Marginal Lands in Europe and strengthening their contribution potentialities in a CO₂ sequestration strategy
- Project Duration: 36 months
- Official start of the project: 01/01/2019
- Total budget: 800,400.00 €
- EU funding: 800,400.00 €

<http://marginallands.eu/>





MAIL Overview



THE ARISTOTLE UNIVERSITY OF THESSALONIKI (AUTH), GR (**Coordinator**)



GOUNARIS N. – KONTOS K. OE (HOMEOTECH), GR



UNIVERSITAT POLITECNICA DE VALENCIA (UPV), SPAIN



INDUSTRIEANLAGEN BETRIEBSGESELLSCHAFT MBH (IABG), GERMANY



CENTRUM BADAN KOSMICZNYCH POLSKIEJ AKADEMII NAUK (SRC PAS), POLAND



FUNDACION CENTRO DE SERVICIOS Y PROMOCION FORESTAL Y DE SU INDUSTRIA DE CASTILLA Y LEON (CESEFOR), SPAIN



Project Objectives

Definition of parameters describing Marginal lands

Selection of proper base maps

Implementation of data processing workflows to determine the best way to map/monitor m/sm MLs

Quantification of potential CO₂ sequestration capacity and sustainable utilization of MLs under the prism of LULUCF

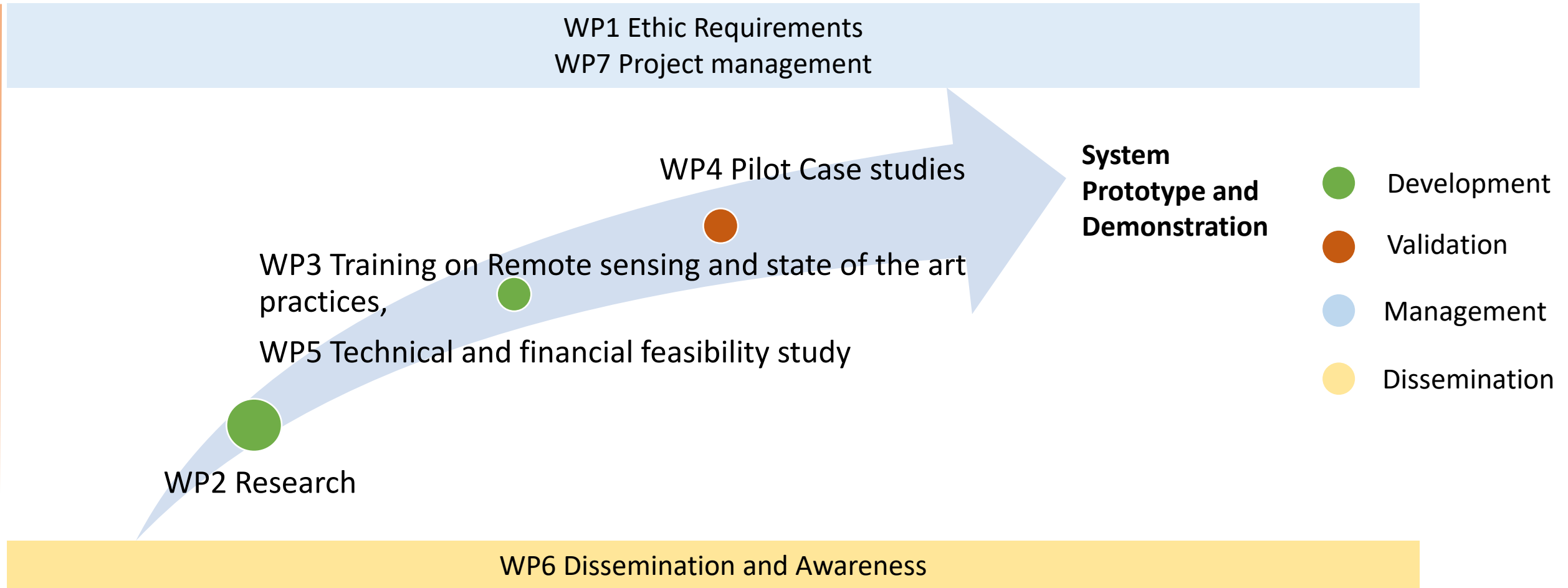
Alternative proposals of possible vegetation species that might be used for CO₂ storage on MLs

Creation of a knowledge base and a virtual web classroom for training

Establishment of a permanent working team consisting of RS and Forestry experts focusing on MLs management



Project Work plan





Work Packages

Work Package	Lead	Secondments PM
WP1 Ethics requirements	AUTH	0
WP2 Research	AUTH	82
WP3 Training on Remote sensing and state of the art practices	UPV	19
WP 4 Pilot case studies	CESEFOR	38
WP 5 Technical and financial feasibility study	IABG	35
WP 6 Dissemination and awareness	SRC PAS	0
WP 7 Project Management	AUTH	0
SUM		174

Participant	Secondments PM
AUTH	36
HOMEOTECH	32
UPV	24
IABG	32
SRC PAS	21
CESEFOR	29
SUM	174



Work Packages (WP2)

Preparation

Task 2.1 Literature review on Marginal Land definition

Task 2.2 Collection of appropriate existing European/Global datasets

Development (Carbon sequestration biomass estimation)

Task 2.5 Existing models (IPCC, etc.) customization - evaluation - validation, considering local aspects

Task 2.6 Estimation of biomass volume at low productivity m/sm MLs

Task 2.7 m/sm MLs classification in Carbon sequestration capacity groups

Development Evaluation (MLs detection)

Task 2.3 Methodology development of m/sm MLs detection

Task 2.4 Accuracy assessment of m/sm MLs detection

Task 2.8 Augment precision of MLs detection

Development (Web page, Web tools)

Task 2.9 Web application for MLs' management

Task 2.10 Webpage and virtual classroom (for the MOOC)



Work Packages (WP3)

Task 3.1 Preparation of a Massive Online Open Course (MOOC) for the use of advanced techniques in MLs' mapping/monitoring

Task 3.2 Seminar-workshop organization through MOOC

Task 3.3 Participate in international scientific events

Task 3.4 Accompanying Software systems



Work Packages (WP4)

Task 4.1 Pilot case study 1: Use of open-source platform and free satellite data to map and monitor MLs

Task 4.2 Pilot case study 2: Quantification of carbon sequestration capacity in m/sm MLs

Task 4.3 Pilot case study 3: Estimation of carbon stock in forest products

Task 4.4 Pilot case study 4: Change detection and mapping in forest MLs



Work Packages (WP5)

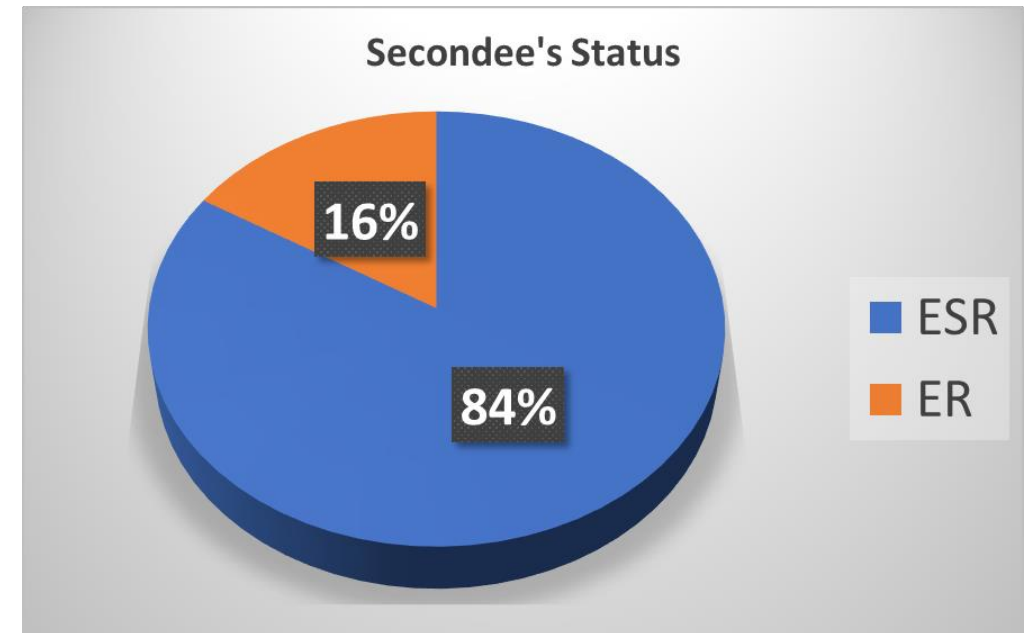
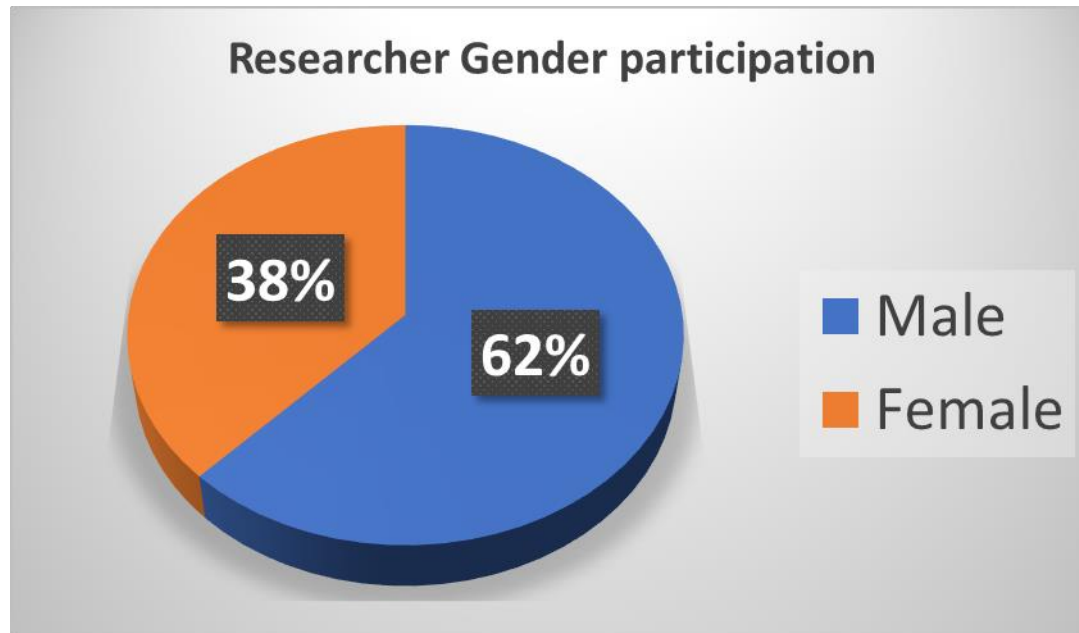
Task 5.1 Best practices MLs monitoring using remote sensing techniques

Task 5.2 Financial social and technical aspects of the sustainable development of MLs

Task 5.3 Potentialities of emerging stock exchange markets for carbon transactions and proposed policies

Task 5.4 Success stories

Secondments statistics, Secondees



37 Secondees, implementing 47 secondments

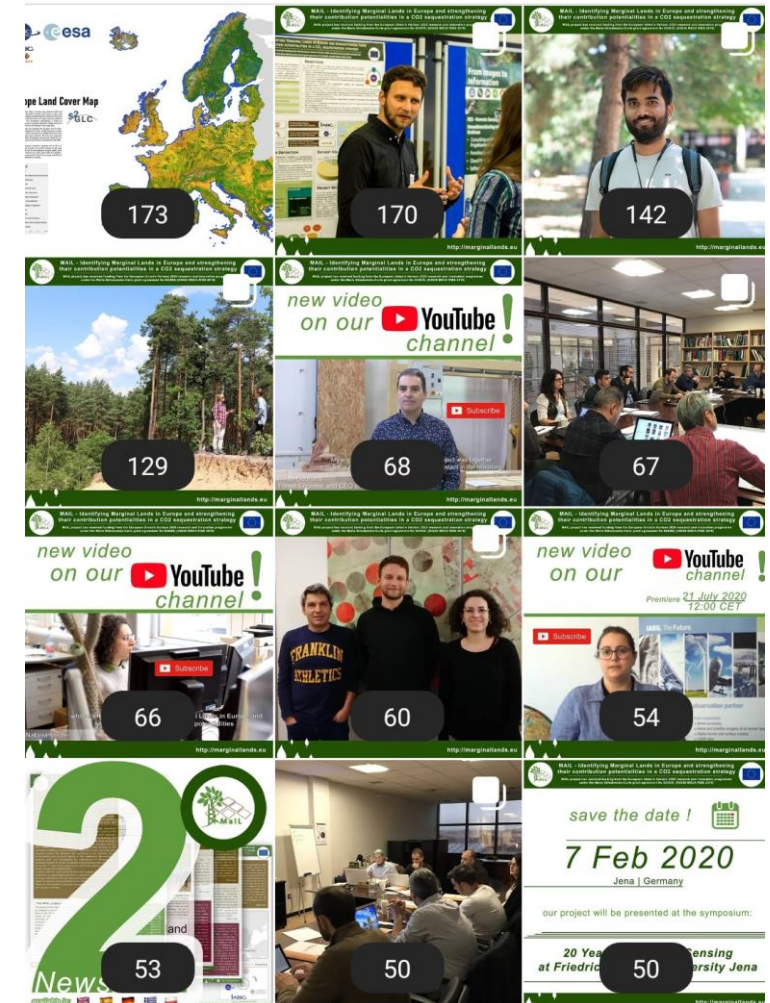
Dissemination, Social Media

Website

	2019	2020	2021
Unique Visitors	12,894	26,022	17,751

• Profiles:

- [Facebook](#) 98 Followers
- [Twitter](#) 532 Followers 9607 likes
- [Instagram](#) 129 Followers
- [ResearchGate](#) 3 Followers | 38 Reads
- [YouTube](#) 36 movies | 35 Subscribers | 2598 Views
- **Dedicated alias: socialmedia@marginallands.eu**





Thank you for your attention!



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