MaiL Massive Open Online Course (MOOC)

Identifying Marginal Lands in Europe and strengthening their contribution potentialities in a CO2 sequestration strategy

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

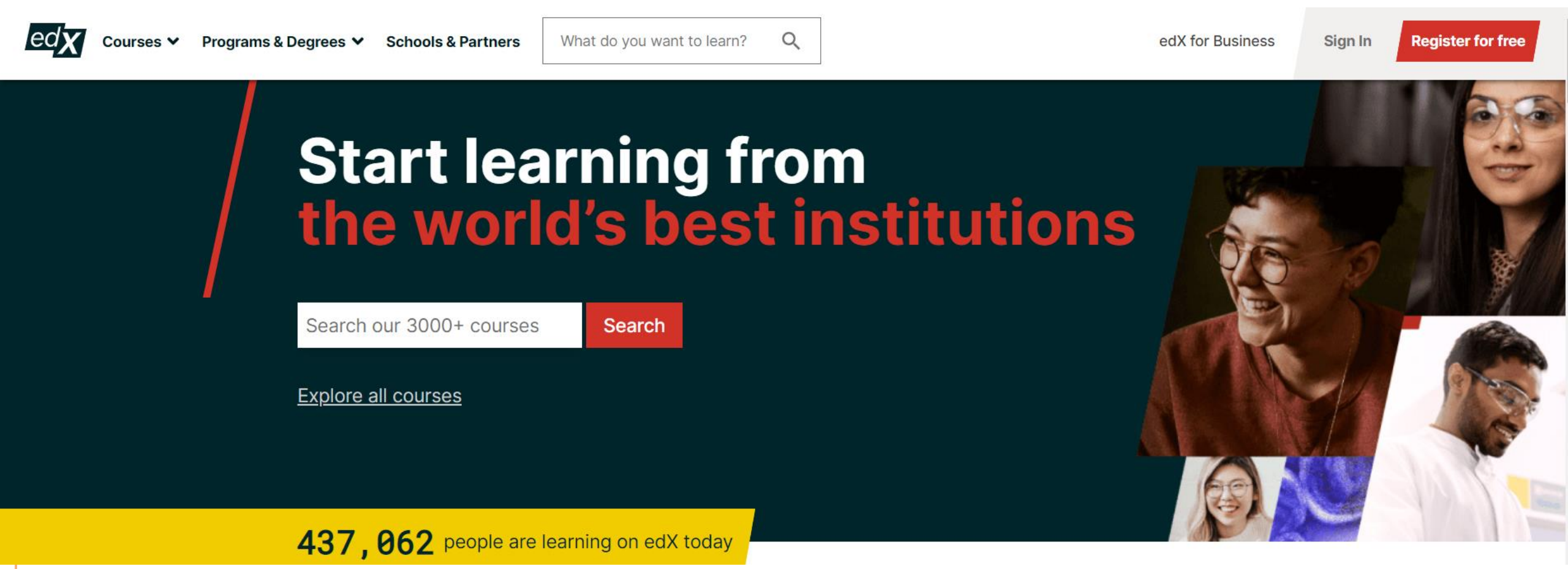
Juan Pedro Carbonell Rivera, Universitat Politècnica de València

MAIL - Identifying Marginal Lands in Europe and strengthening their contribution potentialities in a CO2 sequestration strategy

MAIL project has received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No 823805; [H2020 MSCA RISE 2018]

Index

- What is a MOOC?
- The platform UPV[x]
- The MOOC "Management of Marginal Lands and Carbon Sequestration estimation through Remote Sensing and GIS"
- Structure
- Join the MOOC!

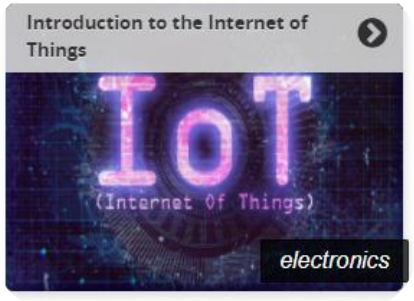


What is a MOOC?

A Massive Open Online Course (MOOC) is an online course aimed at unlimited participation and open access via the Web.

*Image extracted from https://www.edx.org/

The platform UPV[x]



UPV [X]

UNIVERSITAT POLITÈCNICA DE VALÈNCIA

Identifying Marginal Lands in Europe and strengthening their contribution potentialities in a CO_2 sequestration strategy

MaiL Massive Open Online Course (MOOC)

The MOOC "Management of Marginal Lands and Carbon Sequestration estimation through Remote Sensing and GIS"

Identifying Marginal Lands in Europe and strengthening their contribution potentialities in a CO_2 sequestration strategy

MaiL Massive Open Online Course (MOOC)

Structure

- The concept MLs and its synonyms
- Definition of MLs
- MLs concerns and policies
- The classification of MLs over time
- Datasets used for characterization of MLs

1. Definition & descriptions of MLs

2. Identification & classification of MLs

- Overall approach for the identification and classification of MLs
- Hard Layers for identifying MLs
- Soft constrains: Definition and processing
- The ML classification scheme in the MAIL project

- Remote sensing basics
- Sentinel 2
- Sentinel 1
- LiDAR

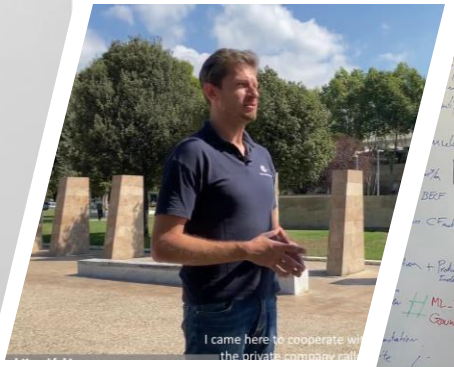
3. Biomass estimation from remote sensing data

4. Carbon storage and accounting

- Direct Methods for carbon storage and accounting
- Indirect Methods for carbon storage and accounting
- IPCC accounting rules

- Map of Marginal Lands in Europe
- Carbon calculator
- Carbon predictor
- Afforestation cost
- Multi-temporal Marginal Lands analysis

5. GEE-based platform for MLs management



Identifying Marginal Lands in Europe and strengthening their contribution potentialities in a CO_2 sequestration strategy

MaiL Massive Open Online Course (MOOC)

marginallands.eu

Join the MOOC!

From the second half of December

Thank you for your attention!

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

Juan Pedro Carbonell Rivera, juacarri@upv.es