

EUROPE—LAND'S MOOC

LAND USE AND SUSTAINABILITY IN EUROPE: FROM POLICY TO PRACTICE



ALMA MATER STUDIORUM - UNIVERSITÀ DI BOLOGNA

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Land Use and Sustainability in Europe: From Policy to Practice

European Project

Resume

Grade required to pass the course: 60%

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What is Europe-LAND's MOOC?

A free online platform where you can learn sustainable land use management in the context of climate change and biodiversity challenges. Bringing together leading experts, it connects key policy frameworks with real-world practices from across Europe. The MOOC includes video lectures from experts, interactive exercises, quizzes and further more exciting features.

Participants will gain insights into:

- European land management and its evolution
- Policy frameworks shaping land use
- Practical examples of sustainable strategies
- The links between land, environment, and society

By the end of the course, learners will better understand land-use dynamics, explore real-world case studies, and strengthen their ability to analyze sustainability challenges from a land-use perspective.

Video



because it allows users to easily explore a wide range of GIS data in one place without needing to access multiple websites. It also enables users to track and compare changes over time using built-in features like the compare and the slider tools.

The Europe-LAND toolbox also enables users

to combine data from various sources. for example, woodland cover and flood prone areas. This allows for easy identification of how events such as forest fires represented by dark areas may contribute to an increased flood risk in vulnerable areas.

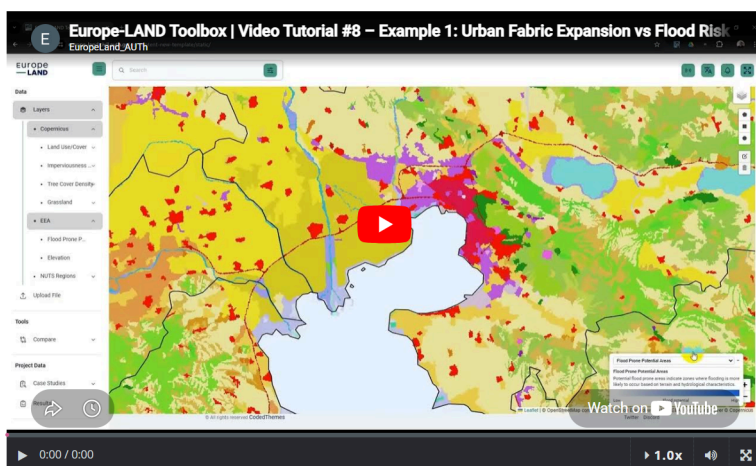
Quiz

10 points possible (graded)

A regional authority wants to compare several alternative futures based on different land-use policies and population growth assumptions. The goal is to allocate land demand spatially while respecting planning constraints. What type of modelling logic is most appropriate for this task, and why?

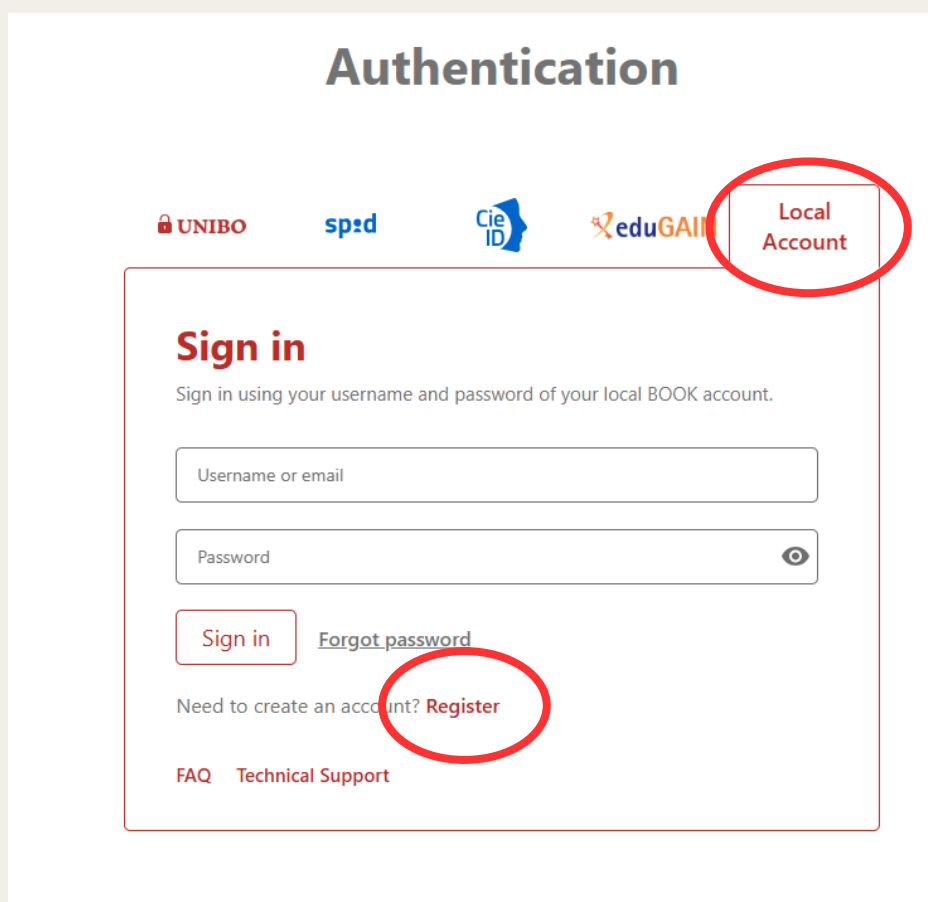
- ☐ Rule-based deterministic modelling focused on fixed outputs
- ☐ Pure machine learning prediction based only on historical data
- ☐ Demand-driven, scenario-based modelling that allocates land under different assumptions and constraints
- ☐ Static mapping without scenario comparison

Video



How to create an account

- RELEVANT FOR MOST USERS: If you do not have a Unibo personal account, you need to create your BOOK account. Creation of an account is easy and free of charge:
- STEP 1 - Go to https://apps-book.unibo.it/learning/course/course-v1:UNIBO+EULAND+aa_25-26/home
- STEP 2 - In the registration page you have to enter the following information:
 - your email address,
 - your full name as you would like them to appear on any Certificate you may earn,
 - a unique username and
 - a password of your choosing.
- If you are an institutional user of the University of Bologna (meaning you already have a personal code), you do not need a further registration for BOOK. You have to go to: Unibo LOGIN and use the credentials you normally use to access University of Bologna Online Services.



The screenshot shows the 'Authentication' page of the Unibo BOOK system. At the top, there are logos for UNIBO, sp:d, Cie ID, and eduGAIN. A red circle highlights the 'Local Account' link in the top right corner. Below the logos is a 'Sign in' section with the instruction 'Sign in using your username and password of your local BOOK account.' There are two input fields: 'Username or email' and 'Password' (with a toggle for visibility). A red circle highlights the 'Sign in' button. Below the button is a link for 'Forgot password'. At the bottom of the sign-in section, there is a link for 'Need to create an account? Register', which is also circled in red. At the very bottom, there are links for 'FAQ' and 'Technical Support'.

How to activate the account

After creating your own account, you need to activate it by clicking on the link in the e-mail you receive. If you do not receive the confirmation message within a few minutes of signing up, please check your Spam e-mail folder just in case the confirmation email went there instead of your inbox.

If so, select the confirmation message and mark it "Not Spam", which should allow future messages to get through. Do not forget to click the link in the confirmation message!

In case you did not receive the email, please contact assistenza.cesia@unibo.it

Europe-LAND Forum

We have a platform where you can interact with other learners and lecturers - you can ask questions, or discuss the topic which you learn on MOOC. Below, you can find the link to the platform, as well as a guidance how to set up an account.

Link: <https://europe-land.eu/forum/>



Guidance of setting up an account for the forum

https://europe-land.eu/wp-content/uploads/wpforo/default_attachments/1777020401-EL-MOOC-Setup.pdf

Forum

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What is so special about this Toolbox?

MODULE 6: THE EUROPE-LAND TOOLBOX: EXPLORING THE DYNAMICS OF FUTURE LAND USE

Last Post by Yiannis Kontos 3 Wochen ago

2

2

0

5

Posts

Users

Reactions

Views

Franziska Wolf

Posts: 3

Member

Topic starter

The Europe-LAND Toolbox, resembles a core deliverable of the Europe-LAND project. Designed to support evidence-based decision-making, this to date unique Toolbox links spatial data to climate and biodiversity considerations. Whether you're a researcher, planner, decision-maker, or land user, this platform will empower you to better understand how land-use decisions, from the past and present, can shape future landscapes.

Developed and led by our partners at Aristotle University of Thessaloniki (AUTH), the web-based Toolbox brings together a wide range of geospatial datasets from trusted sources like Copernicus, CORINE, the European Environment Agency (EEA), and Eurostat. You can explore dynamic land-use scenarios, assess the environmental impacts of different strategies, and even upload their own data for customized analysis!

But the platform isn't just about data, its about participatory design : it was built with the needs of real-world users in mind and continues to evolve through ongoing feedback from across Europe. It also integrates key outputs from the broader Europe-LAND project, serving as a central hub for visualizing research findings and facilitating collaborative planning processes.