Phd Programme Architecture and Design Culture

Geoprocessing nella pianificazione territoriale: modelli di analisi spaziale a supporto del geodesign.

Prof. Ana Clara Mourão Moura

Federal University of Minas Gerais, Brazil

2, 4, 9 and 11 February 2026

from 14 to 17 CET

Department of Architecture, Università di Bologna
UNIBO

ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA
DIPARTIMENTO DI ARCHITETTURA
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(L. 232 DEL 1/12/2016)

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Geoprocessing nella pianificazione territoriale: modelli di analisi spaziale a supporto del geodesign.

The seminar is held by Prof. Ana Clara Mourão Moura, full professor at the Federal University of Minas Gerais, Brazil, Department of Urban Planning, The aim of the seminar is to show geodesign as a method for co-creation in planning, presenting the state-of-the-art in methods and frameworks, and the state-of-the-design in a workshop practice.

The seminar is divided into 4 days of 3 hours each for a total of 12 hours. It includes lectures, practices in GIS and a workshop to be carried out in groups.

The classes will be focused on the use of GIS tools to create data about a place, using QGis software and data available in geoportals. A drive with data will be shared. Once created some data, a Geodesign workshop will be conducted, using the platform UBI-Geodesign, to experience co-creation about socio-environmental and socio-economic proposals to a place as a case study. The goal is to plan for the challenges of climate change and territorial resilience.

Prof. Ana Clara Mourão Mour will conduct the seminar remotely and students will participate online, using Teams platform. The professor will do the presentations in English or in Italian, according to students' preferences, but the students can speak and ask questions in Italian, as she is able to communicate in both languages. The material presented will be in English (tutorials and slides).

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2 February 2026 14 - 17 CEST | Online

Day 1

Concepts on geodesign: the method and the framework.

The models in preparing a workshop: Representation, Process, Evaluation and Impact Models.

4 February 2026 14 - 17 CEST | Online

Day 2

Geoprocessing to construct spatial analysis. Using satellite data in GIS in 3d modeling and spatial models' creation (Qgis).

9 February 2026 14 - 17 CEST | Online

Day 3

Geodesign workshop: Co-creating ideas to the fulfillment of climate emergencies.

11 February 2026 14 - 17 CEST | Online

Day 4

Geodesign workshop: Discussion and Voting of Ideas. Negotiation and adjustments to achieve the proposed goals to the final design.

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