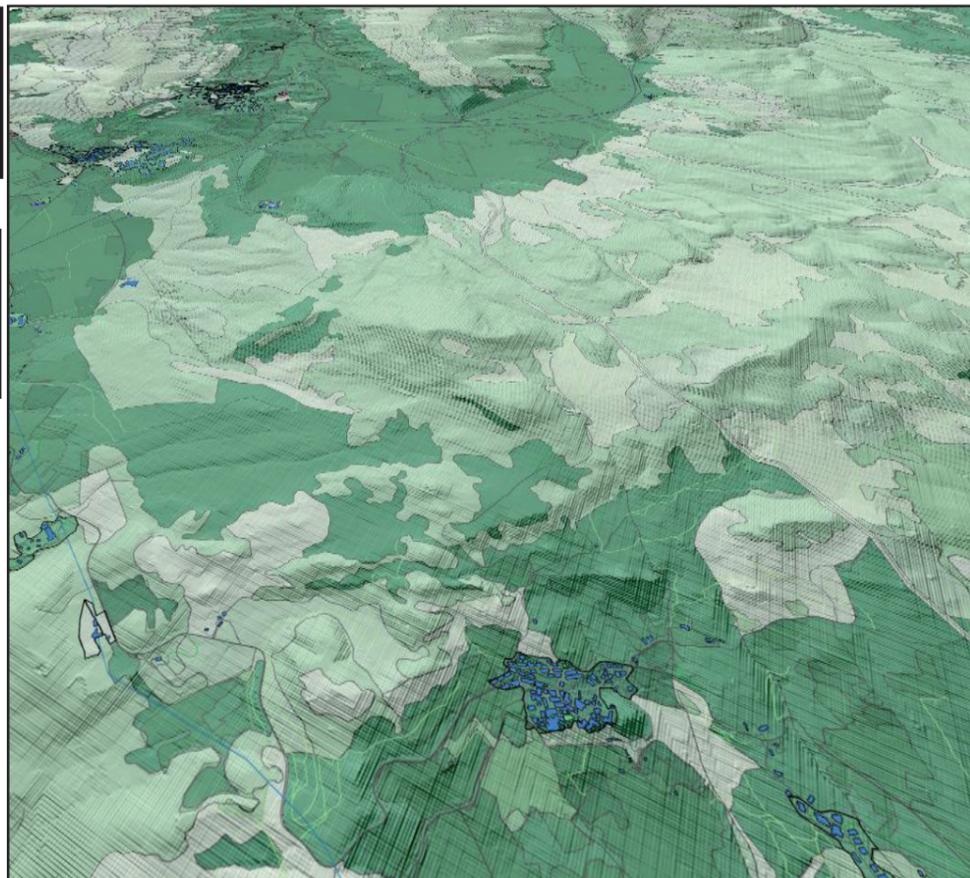




DASStU Department of Excellence (D'Ecc)

Territorial Fragilities project

**International seminar**



**Land Use in Fragile territories - Abruzzo**

Domenico D'Uva- Federico Eugeni

# Building MULTiscalar Scenarios

## International seminar on Advanced Techniques for image warping of maps through time parameters

The Department of Architecture and Urban Studies of Politecnico di Milano is among the Italian departments financed by the Ministry of University and Research (MIUR) for the period 2018-2022 as part of the **Departments of Excellence** initiative. For the five-year period, the DASStU has committed itself to **exploring the articulated and plural processes of fragilisation of the relationship between space and society** with the objective to become a center of national and international competence on the topic of **territorial fragilities**.

The seminar aims at exploring a relevant issue: how to produce **parametric maps** that include **time as a factor of modification** of physical distances and accessibility. These kind of maps are therefore suitable to reveal how territories can respect the topologic relationships among nodes, and how the urban and rural areas attached to them are dragged by the simultaneous presence of slow and fast networks. These maps help in analysing and governing urban and regional transformations. The contributions will aim at exploring **new modes of mapping** that can represent the relation between territories, connections and time. Considering time as a mapping parameter, requires **image warping techniques with parametric tools**. This seminar is based on both a methodological and a practical approach, where possible solutions and practical applications can be discussed. This seminar has been developed within the "territorial fragility" project promoted by the Department of Architecture and Urban Studies - research line MapFrag: Mapping fragile landscapes, tools and techniques for the analysis and representation of territorial fragilities.

23rd October  
2019 - 9:30-14:00

Politecnico di Milano,  
Auditorium  
via Pascoli, 53

### Program :

9<sup>30</sup>

Introduction

**Alessandro Balducci**  
Politecnico di Milano  
Scientific Coordinator of  
*The Territorial Fragilities Project*  
Opening of the seminar

**Andrea Rolando**  
Politecnico di Milano  
Mapping territorial fragilities

**Domenico D'Uva**  
Politecnico di Milano  
Maps Warping as a multiscalar tool

11<sup>15</sup>

Experiences and applications of parametric mapping. Known issues and possible solutions

**Anita Graser** / AIT Austrian Institute of Technology - Vienna  
Towards an exploratory analysis of time in massive movement data

**Reinhard König** / Bauhaus-University Weimar  
Adaptive urban design and master planning

10<sup>00</sup>

The multiscalar processes of space-time mapping. Methodology and Transformations

**Klaus Spiekermann**  
Spiekermann & Wegener Urban and Regional Research - Dortmund  
Mapping European time-space

**Francisco Escobar**  
University of Alcalá  
Cartographic Transformations of Position. Towards an understandable representation of distances and accessibility

12<sup>15</sup>

Open Discussion and contributions with:

Alessandro Bianchi  
Stefano Cherubin  
Antonella Contin  
Rossella Salerno  
Daniele Villa

**Chair:**  
Fabrizio Leoni

11<sup>00</sup>

Coffee Break

**organizzazione a cura di**  
Domenico D'Uva

**contatti**  
domenico.duva@polimi.it



**POLITECNICO  
MILANO 1863**

DIPARTIMENTO DI ARCHITETTURA  
E STUDI URBANI



**DIPARTIMENTO  
D'ECCELLENZA  
FRAGILITÀ TERRITORIALI  
2018-2022**