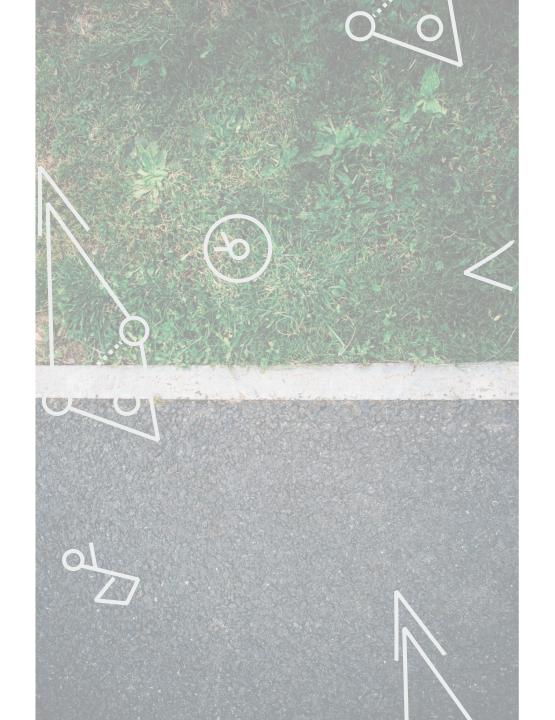


Parametric design to foster cross-border governance

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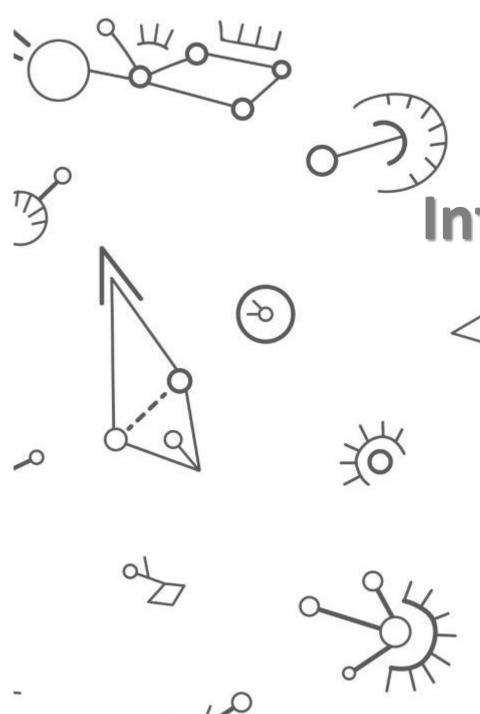


Introduction

Conceptual model

Cross border region between Switzerland and Italy

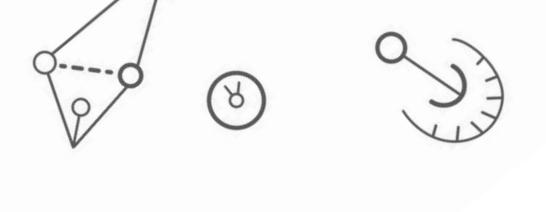




Informal planning is a set of instruments

and procedures do not underlie the fixed procedures of planning law so that they can be designed **flexibly** and matched to the conditions according to the occasion, the topic, or the constellation **stakeholders**. Informal planning is not regulated (in its accuracy) as much formal planning. Informal planning is **indispensable for** the preparation of **formal** planning as well as for many others.

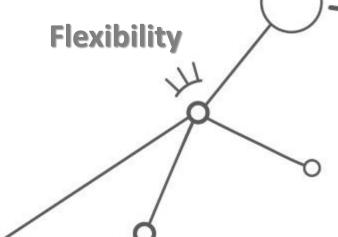
Source: Scholl B. - "Formal and informal instruments and procedures", 2016.



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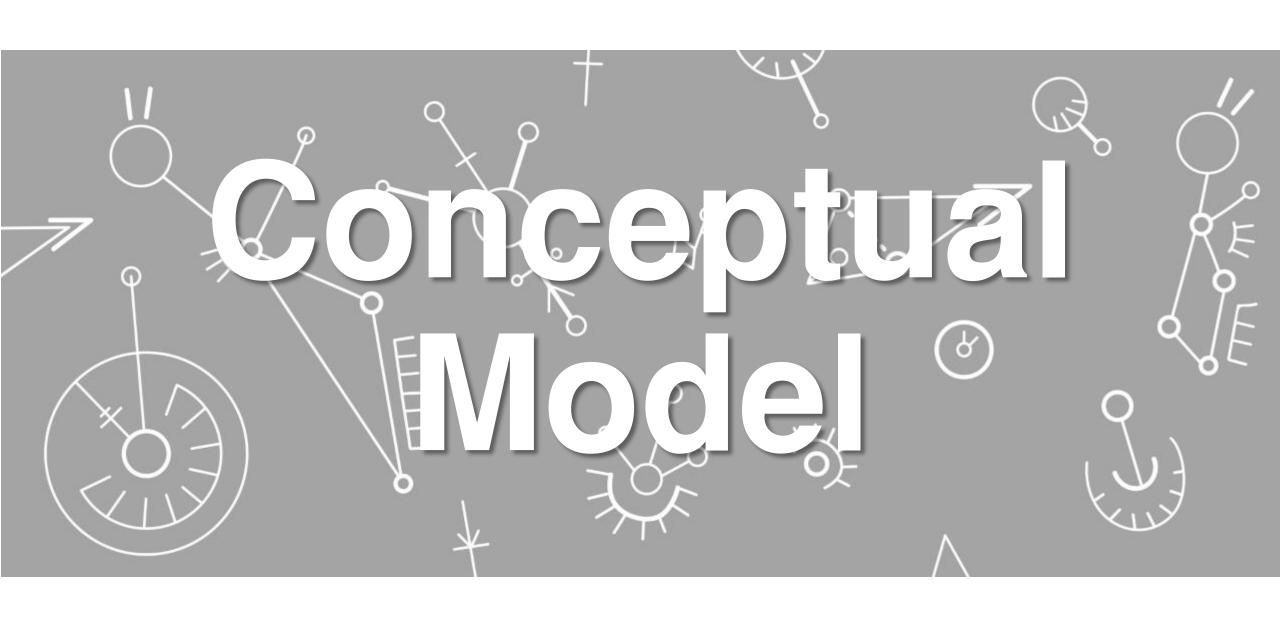
Interdisciplinary and multilevel O approach

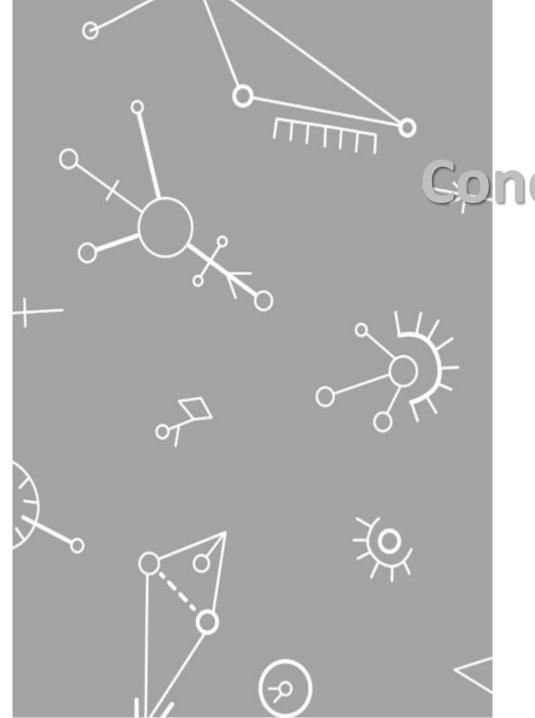


Compliance with cross-border governance

Included in a broader planning process

Integration with new technologies

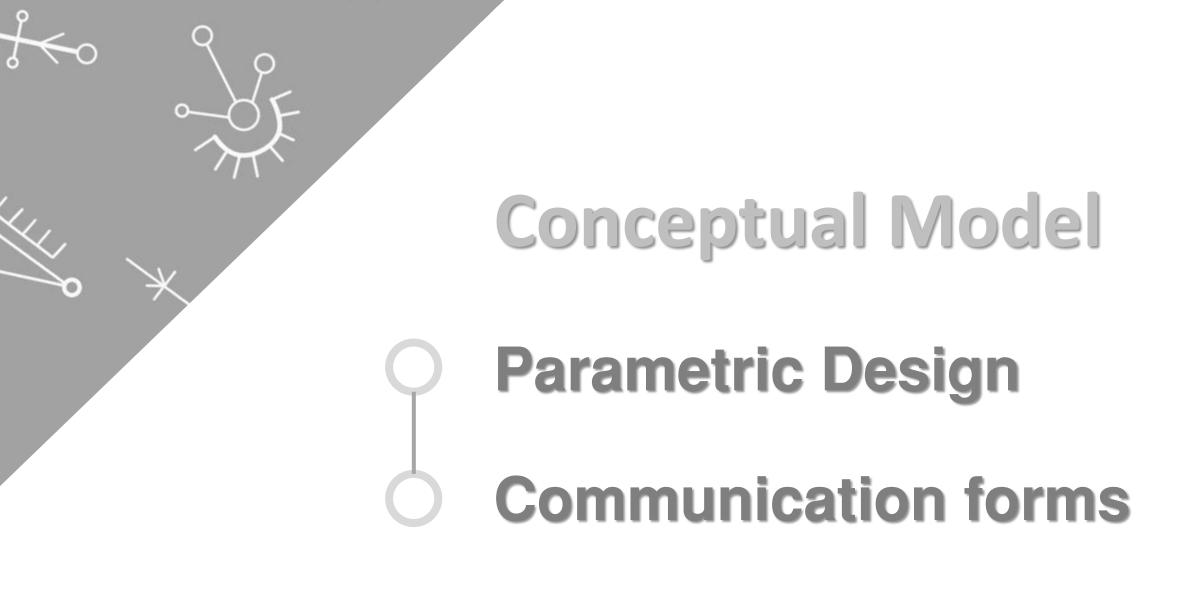




spinceptual model is not a phase of the process but the set of procedures necessary to coordinate a participatory planning process.

In accordance with Tolk's interpretation, conceptual modeling is not a limited activity in the initialisation phase of a simulation system, but a perpetually reoccurring **process** that drives the design of **experimentation**, the providing of necessary **data**, the **evaluation** and presentation of **results**, and many **more activities** conducted within the life cycle of the system.

Source: VV.AA. "Conceptual Modeling: Definition, Purpose, and Benefits", 2015.





Conceptual Model

Parametric Design & Communication forms

Increasing the level of engagement of the stakeholders.

Creating territorial processes in the immediate and medium to long term.

Allows the governance but to go beyond the existing administrative limits.

Understand problems and make shared decisions.

Parametric Design

Evaluating design alternatives and their effects on the area

Systematise rules and a large amount of data from different disciplines

Coordinate the territorial transformations

Captures the attention

NO barriers

Connects and involves people

Create new networks and strengthen existing ones





border region between Switzerland and Italy

Source: Municipality of Chiasso



The border has always been permeable.

The absence of a language barrier favours this.



Main problems:

absence of a strategic vision use of sprawl

congestion on the roads environmental and acoustic pollution



Informal Planning

Cross-border governance

Bottom-up approach

Micro region

Source: SUPSI University, New campus in Mendrisio

The same

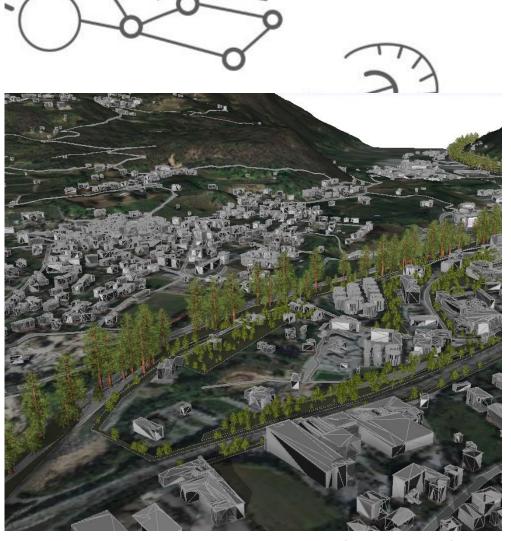
The first test

RULES

- students divided into five groups
- each group play a different role.

FEATURES

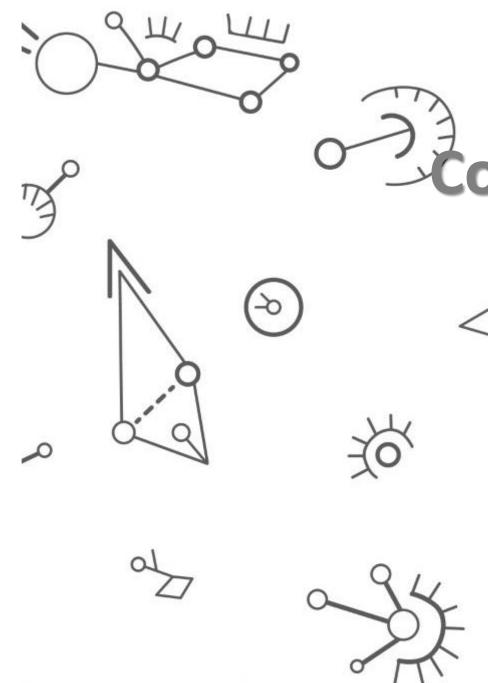
- multilevel approaches
- interdisciplinary approaches
- different methods of representation
- communication plan



Source: A.Rollandi, The first results of test



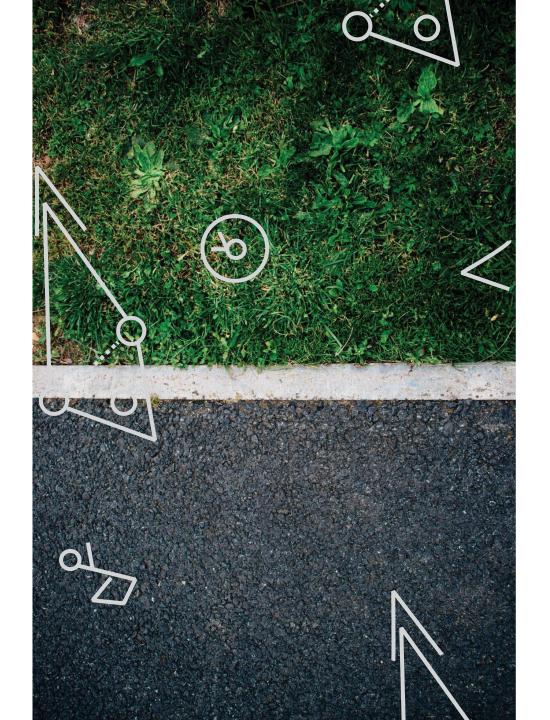
The analysis showed that parametric design helped the actors to better understand the projects and to argue clearly their needs and ideas. Furthermore, this tool allows to overcome the existing administrative limits.



Conceptual model

The aim of the research is to create a conceptual model recognized by the institutions.

A tool in compliance with cross-border governance, different scales of intervention and informal tools. Finally, tools must favor bottom-up approaches.



Thank you

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