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Plans, housing question and modernization of the country

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Problems, policies, and research

Atlases of the landscape in Europe

Atlases and landscapes

Methodological proposals for the management and promotion of Piedmont landscapes

Social perception of the landscape and the Atlases

The Atlas as a metaphor for the history of territory and landscape

The European context

Experiences on the landscape catalogues for Catalonia

Tuscany landscapes Atlas and spatial planning

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Mariarosa Albano, Clea Martone, Michele Russo,

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Enrico Gualini

Projects and implementation

The Ptcp of Naples: the land and its fertile resources

Presentation

Dilemmas and obstacles in the management of objectives

A heritage to defend and exploit

The Ptcp of Naples: from the plan of 2003 to the new proposal of 2008

The landscape in the plan

Naples Ptcp directions

Settlements system

The assessment of territorial contexts and the landscape analysis

Agricultural landscapes in the Naples province: a heritage to be protected

A soil science to urban landscape planning: the case study of Naples and its surroundings

Cultural heritage, landscape and metropolitan system: is planning possible?

Sustainable mobility for Naples' metropolitan area

Statistical analysis in support of territorial planning

Gis for spatial co-ordination planning

Knowledge and action in the 'structural' interpretation and representation of territory

edited by Paolo Pileri

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Profiles and practices

Consuming land, consuming the future

Four countries, six experiences, for a single issue: limiting urbanisation

Towards sustainable land use in Germany: reviewing the German experience

with antisprawl policies and tools

Urban containment strategies in the Netherlands

From an economical use of land to land use management strategies, tasks and

challenges in Switzerland

Land use and consumption in England: how is land use controlled and monitored?

How has land use changed?

Assessment of sustainable land use in Germany: the project Fin.30

Integrated European research on sustainable urban development and periurban

land use relationships

Interpretational figures and methods for knowledge and evaluation of land consumption:

the transition matrix

Rosario Pavia

Methods and tools

Zoning, zooning

Michele Talia

Reform of territorial governance and the new urban order

Clovis Ultramari

By the way, what urbanism really is?

**Gis for spatial
co-ordination planning**

*Mariarosaria Albano, Clea
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According to new Regional planning law n. 16/04, Province of Naples has drawn up the spatial plan as a tool for programming and planning future activities for the governance of the territory.

The Province with this plan aims to reach its main goal: environmental sustainability, right and proper natural resources utilization, historical and cultural heritage preservation and development.

The planning team has made up a data base for the knowledge of the territory using geographic data from provincial Sit and the skills proper of Gis (geographic information system).

Different kind of data have been converted into vector data (shape file) using as reference the cartography in scale 1:5.000 elaborated by the Province, updated to 2004: such scale allowed to reach high definition and elaboration level of data originated from several planning and managing territorial sectors.

In co-operation with authorities for territorial planning and provincial Sit department, the planning staff got and reedited all data, both in digital and paper format initially.

The staff also created some kind of information by themselves that were not available at moment and homogenized the whole amount of dataset.

Geographic information taken on have been tested out, during the analysis step, through geometric correction of typical errors such as open polygons, polygon overlay or not contiguous features, duplicate points and so on. Automatic correction has ever been followed by manual correction.

The following step concerns

the planning and it is based on this framework taking into account strategies and objectives of the plan and is completely processed in Gis: the activity consists in specifying different classes of areas each one corresponding to specific regulation; moreover a reference system to connect analysis data with planning has been processed.

Tools and operations typical of Gis have been used to facilitate the comparability and feedback process of planning taking into account in the meantime capabilities and risks of such a complex territory as the Province of Naples.

Ptcp, at publication and take in observation step at moment, will be a web-gis system, modern tool for the governance of the territory: the local planning authorities will have easy and fast access to a wide number of resources of geographic data useful for their activities, using the official portal of the province (www.provincia.napoli.it) Data will also be available, at different accessibility level, for all the people interested in the planning process.