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The role of the Surveyor in Italy:

- Topography



- Valuation



- Building



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Towards a new kind of Professional

What we have to face today?

Globalisation!



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Two key-words:
TERRITORY and ENVIRONMENT

Our Territory needs to be:

- Known
- Measured
- Valuated
- Developed



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What does it mean “Sustainable development”?

“Development that meets the needs of the present without compromising the ability of future generations so to face their own needs”.

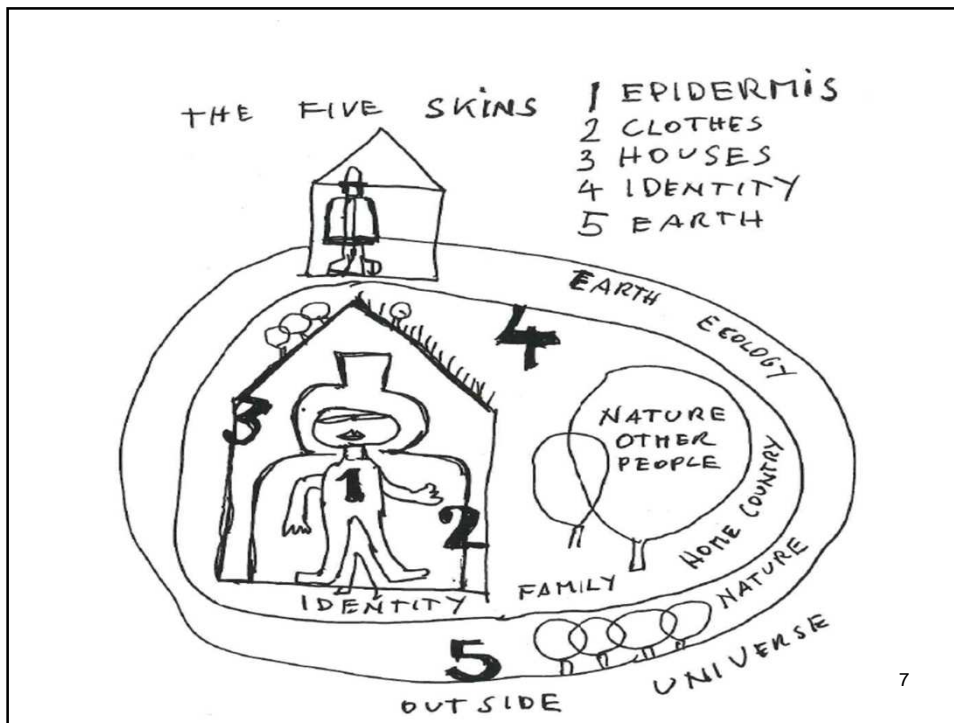


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A sustainable way to face the development

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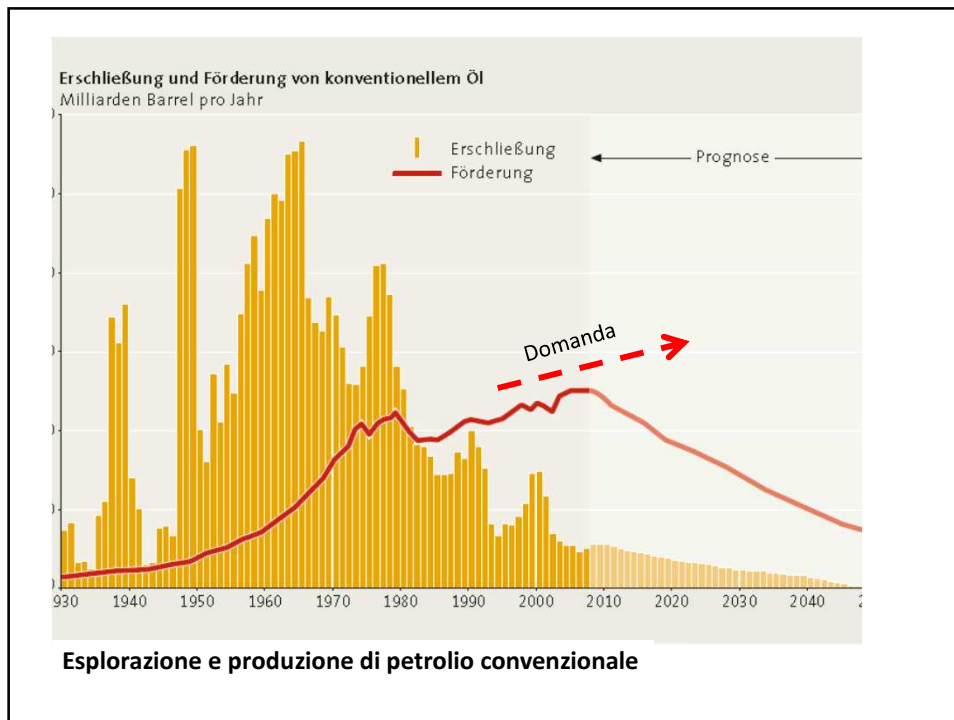


Our challenges

1) Population growth



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Use of renewable energies to increase general sustainability

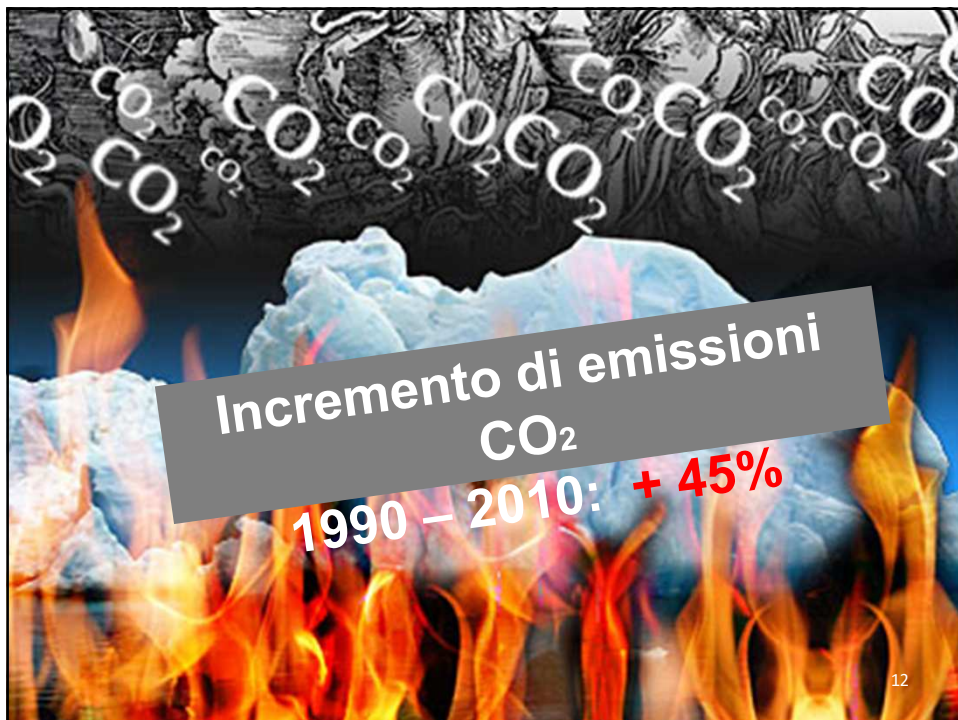
- Solar
- Geothermal
- Eolic

3) Climate change:

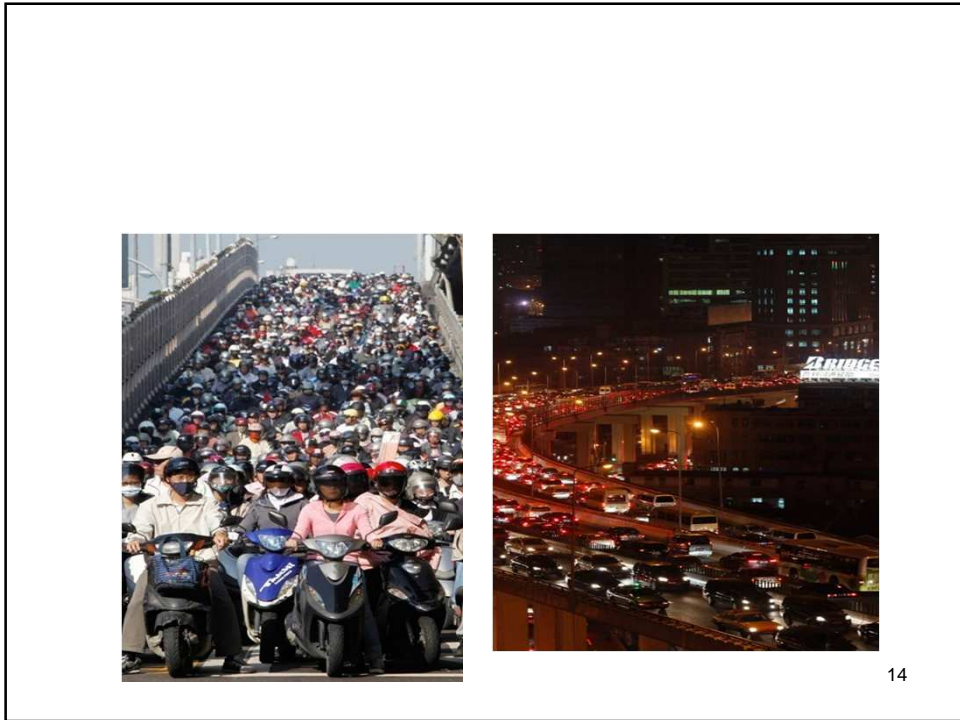
- **Desertification**
- **Global heating**
- **Melting of glaciers → growing level of Oceans and Seas**



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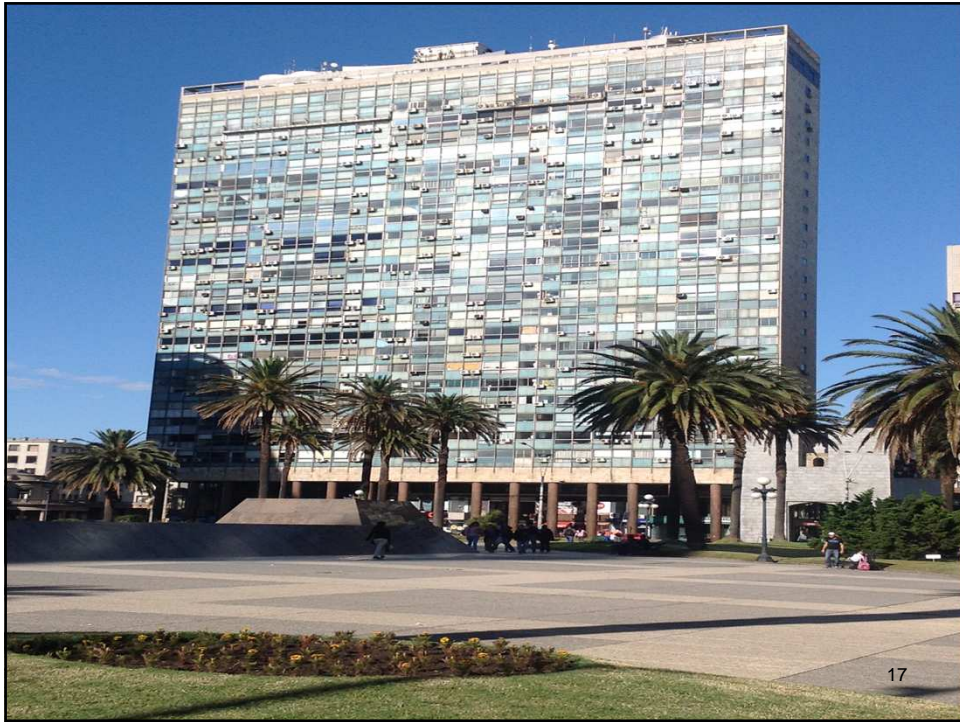


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Energy which cost is less is the one we do not use



Work for the next 5 – 10 years in Italy

- 23 millions of windows
- 140 millions square meters of walls
- 300 millions square meters of roofs
- 15 millions heating system



**Reduced
energetical
costs**



**Comfort and
wellness**

**Reduction of CO2
emission and
the impact
to the environment**

Real Estate Value



The role of Topography

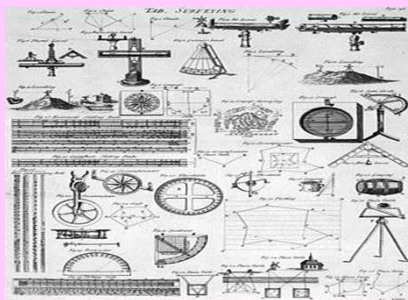
Not a mere representation of land and borders of a real estate!!!



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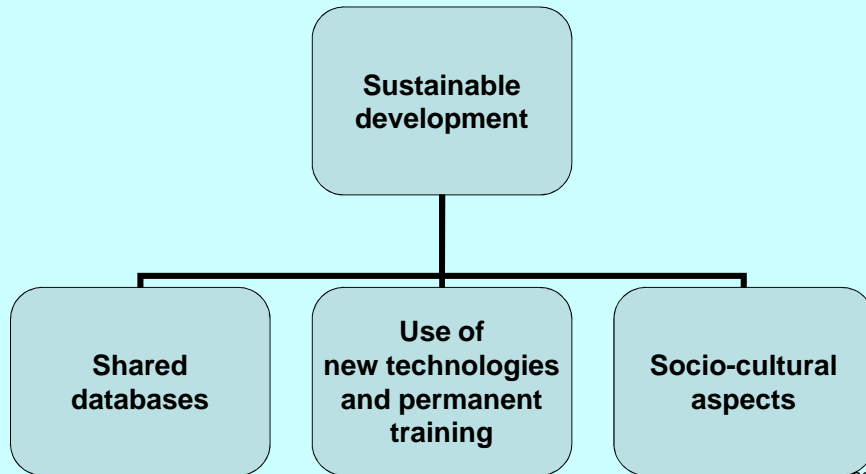
Topography as THE key for a sustainable development !

What we need is a global cartography, worldwide shared thanks to the new digital systems



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The topographer today



Euclide 2020

The Surveyor of the future

The
Macro-scenery



- Social change
- Economic growth
- Change in:
 - demography
 - urban structures
 - relationship with the environment
- Influence of public policies
- Professional ranks reform

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We are in need of a deep change!

- Specialised competences
- Associated teams with different cultural backgrounds
- Up-grading on new technologies
- Permanent training



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What is important:

To measure is not enough!

- **We need to know the social and cultural identity of our Territory**
- **We must guarantee the certainty of property rights**
- **People and Institutions have to understand the relevance of our job**
- **We must share data and knowledge**
- **We have to consider the whole World from a global point of view**
- **We must be always up-to date and able to take all the advantages given by modern technology**

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**Our mistakes are
their challenges**

nello stesso modo!

**La crisi è la miglior cosa che possa
accadere alle persone ed alle
Nazioni intere, perché è proprio la
crisi a portare il progresso.
Perché l'unica vera crisi
minacciosa è la tragedia di non
voler lottare per superarla!
E' giusto dire che la vera crisi è la
La creatività infatti nasce
crisi dell'incompetenza.
dall'ansia, così come il giorno
nasce dalla notte oscura.
Di fronte alla crisi il problema delle
persone e delle Nazioni è la
È nella crisi che nasce l'inventiva**

These are the challenges,
and the future starts today!



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