Sustainable Cities Use and difficulties of standards

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Standards Why?

- Methodology to guide actions
- Do'nt reinvent the wheel in a complex world
- To be able to measure and to compare the results.
- To allow cooperation and sharing of knowledge.

Difficulties

- Situations in different countries need different approaches
- Sustainable development goals are the same for all countries but their level of fulfillment will be different
- The central government has to determine what is acceptable in each internal territory and the balance between them
- Local governments need cooperations at least with the national level

ISO 37101 is standard of management

ISO 37120 is more ambitious: it involves 17 SDG and creates needs of cooperations















5 GENDER EQUALITY



6 CLEAN WATER AND SANITATION







8 DECENT WORK AND ECONOMIC GROWTH



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



10 REDUCED INEQUALITIES



11 SUSTAINABLE CITIES AND COMMUNITIES



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



13 CLIMATE ACTION



14 LIFE BELOW WATER



15 LIFE ON LAND



16 PEACE, JUSTICE AND STRONG INSTITUTIONS



17 PARTNERSHIPS FOR THE GOALS



ISO 37101: How it works? We shall examine a concrete case of building a project having in mind all the goals of 37120 SDG:

Case study 1: Rural area with a vocation of turism



Employment Creation of JOBS.

ROAD: Creation, operation and maintenance of roads « owned » by the agglomeration

ECONOMIC development, tourism

EDUCATION insertion by activity, capacity building

LAND PLANNING

PORTS (leisure and freight)

Management of WATER, prevention of FLOODS

and protection against the SEA

CULTURE: theatre, multi media library, music, dance,

open-air activities, swimming pools...

HOUSING and social housing

INCLUSION of homeless population



1st ideas:

Employment Creation of JOBS.

open-air activities, swimming pools...

ROAD: Creation, operation and maintenance

ECONOMIC development, tourism

2d ideas

EDUCATION insertion by activity, capacity building

PORTS (leisure and freight)

Management of WATER, prevention of FLOODS

and protection against the SEA

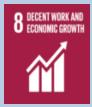
LAND PLANNING

3d ideas

CULTURE: theatre, multi-media library, music, dance,

INCLUSION of homeless population

HOUSING and social housing























1st Ideas: 4 SDG

2d Ideas: 5 SDG

3d Ideas: 2 SDG

SDG 16 and 17 Management

SDG left to other responsibilities











Cooperation need to be active with State or Region on these SDG

In other case studies (dense areas in large metropolis, less developped countries ...) priorities will be different and they will need other types of cooperation

At the moment, a simplified analysis is made on the website http://www.dataforcities.org/publications/ managed by Prof. Mc Cartney, Toronto Universities. This work, launched in 2014 is based on 100 indicators, provided by 77 cities or territories. Data are certified and can be used to compare the quality of urban services available. There is only 1 Chinese city in the data base and no French cities.

A new version of ISO37101 has been decided in 2018 but is not yet published. Its aim is to help territories to use the standards as an instrument to develop projects and not only to choose the best country to live. There is different ways of life, the large majority of human people will live in the country where he is born, except if it is no more possible.

International cooperations: 48 pilot Cities (including French and Chinese cities) have launched studies about ISO 37101. French participants Rennes Métropole, Versailles Grand Parc

A project has been launched in the frame of CICE (see bibliography) to analyse jointly the application of both standards ISO37101 et ISO37120 by 2 cities: 1 in France and 1 in China.

Bibliography

Programme des Nations Unies pour l'environnement

https://fr.wikipedia.org/wiki/Programme_des_Nations_unies_pour_l'environnement

List of Sustainable Development Goals

http://www.undp.org/content/undp/en/home/sustainable-development-goals.html

Partner Ship between TONGJI and UNEP: A MOU was signed in 2012to continue collaboration and to make more efforts in favor of UNEP-Tongji Institute for Sustainable Development (IESD) to develop its education and research programs.

http://en.tongji.edu.cn/index.php?classid=68&newsid=134262&t=show

Education: International Campus towards an Ecological Civilization

http://www.civilisationecologique.org/en/



