G7 Environment

Universities for Sustainable Development

G7 2017 ITALIA

MINISTERO DELL'AMBIENTE
E DELLA TUTELA DEL TERRITORIO E DEL MARE

A dense National Higher Education and Research (HER) ecosystem

- ➤ 36 research bodies
- ➤ 71 universities
- ➤ 206 schools of engineering

From Global (National) to local (University campus / city)

- ➤ National initiatives : **FR**
- ➤ Local initiatives : ⍰

FR Q1 : Next Allenvi joint initiative :

 Willingness to reinforce the link between science and Sustainable Development Goals :

Scientific Assembly, December 2017: integration of research results to target the SD goals

➢ How do SD goals change the relationship between science and policy?
➢ How do places of scientific expertise mobilize to solve problems, find solutions on the territory, to lift political obstacles ... in connection with the SD goals?
➢ How can the scientific community contribute?

FR Q3 : University network : Conference of University Presidents

➢ **National initiative (collaboration with CGE) : exchange of good practices and development of tools to :**

> ➢ Engage universities in the ecological and energy transition
> ➢ Build Sustainable Campuses
>> ➢ including Training and sensitization of management teams : P, VP, …

FR Q1, Q2 and Q3: Student initiative : national coordination of student associations for sustainable development

A bottom up initiative : Many initiatives in favor of the SD

- National survey : 10 500 students concerned
  - ➢ Main outputs :
    - ➢ Recognition of campuses commitment on SD by students but willing to go further ...
      - ➢ because students feel they can not put all their SD commitments into practice on campus
      - ➢ therefore students' willingness to develop more commitment on their campus in a stakeholder logic
  - ➢ A poor knowledge of SD issues : only environmental

Q3 : Development of sustainable campuses: factor of innovation and attractiveness

➢ Formalize a strategic vision and develop an action plan with the stakeholders
  ➢ Establish a SD campus committee and integrate students
  ➢ Fill in the Green Plan reference and label the steps taken
  ➢ Incorporate SD criteria into funding through the establishment of student associations.

➢ Transform campuses for a better living and working environment
  ➢ Consumption: Educate campus users on reducing resource consumption (water, paper, supply, etc.) and develop a sustainable purchasing policy
  ➢ Waste: Improve and develop waste sorting and waste recycling
  ➢ Food: Prefer local, organic and seasonal products at university restaurants
  ➢ Energy: Renovating the building and promoting energy sobriety among users

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Q1 and Q2 : Training for the world of tomorrow: from education to employability

➢ Integrate sustainable development into curricula

 ➢ Training: Integrate SD in initial training with an interdisciplinary module and then propose a module specific to the chosen curriculum

 ➢ Employability: Emphasizing green and green trades and facilitating the integration of students into the labor market of ecological transition

➢ Promote skills development

 ➢ Experimentation: Developing tutored projects related to SD issues

 ➢ Student Life: Supporting SD Student Projects

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Local scale : University campus/city/territory

How to implement locally SD research and training

Example : Rennes :

- ➤ **60000 students /700 000 inhabitants (urban area)**
- ➤ **2 universities (sciences and social sciences)**
- ➤ **9 schools of engineering**

? Q1 and Q2 : SD training need Interdisciplinarity / Transdiciplinarity … but disciplinary organization

Platform for e-learning :
ecology, geology, agronomy, geography, legal sciences, economy, and political sciences
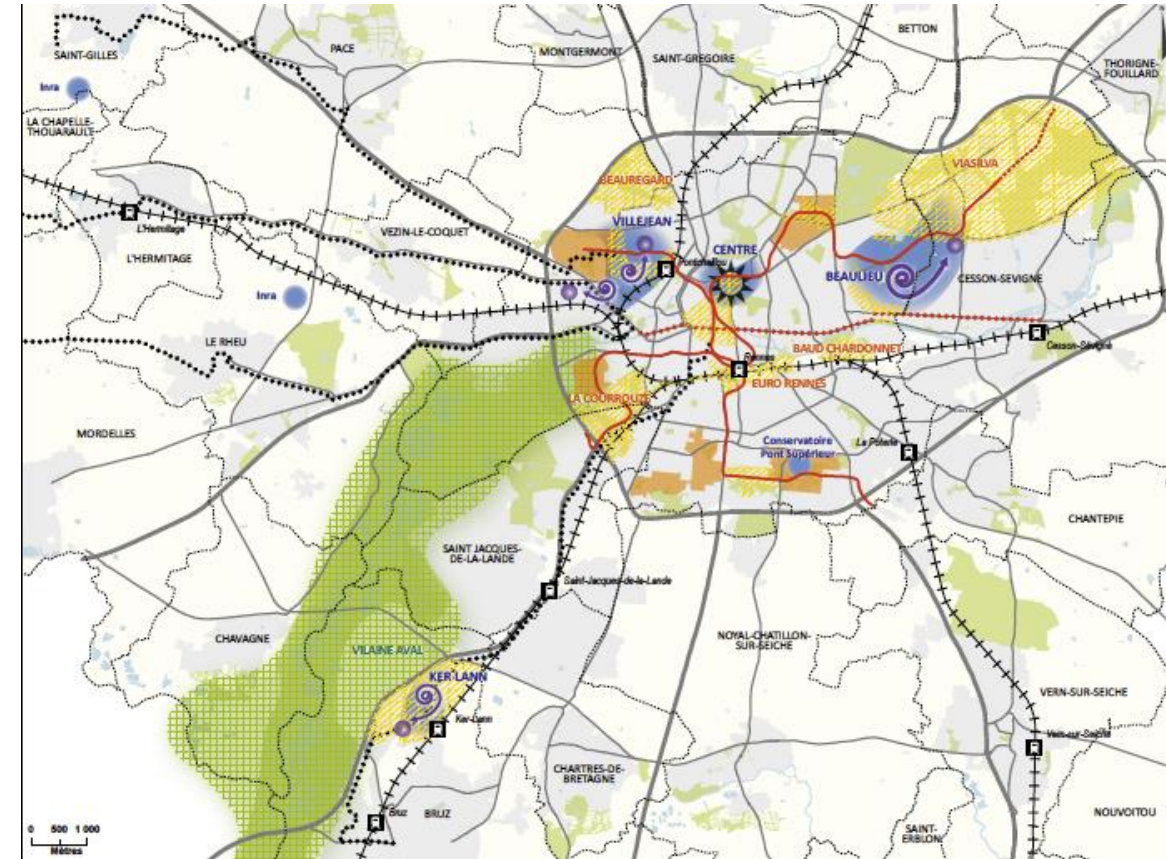
Main topics :
- ➢ **Land use planning and development**
- ➢ **Areas and environment**
- ➢ **Resources and Uses**
- ➢ **Tools and Methods**
- ➢ **Risks and impacts**

- ➢ **Initial training + Life Long learning**

❓ Q1 and Q3 : HER actor of the urban sustainability

➢ Strong collaborations between City administration and HER :

  ➢ Public transportation

  ➢ Energy consumption

  ➢ …

➢ Campuses : demonstrator for SD : research, innovation and SD goals

  ➢ National call for proposal (under construction) to develop living lab at the territory/campuses scale

Thank you for your attention!