ALPINE DIALOGUE
Energy Transition

Luzern (october 23rd-24th, 2013)

Territorial Strategies

Energy autonomy ?
« Positive Energy » ?

What are we talking about ?

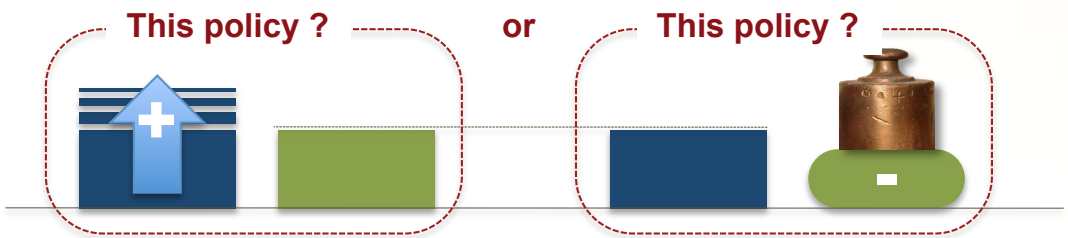
An "energy-related territory", what's it ?

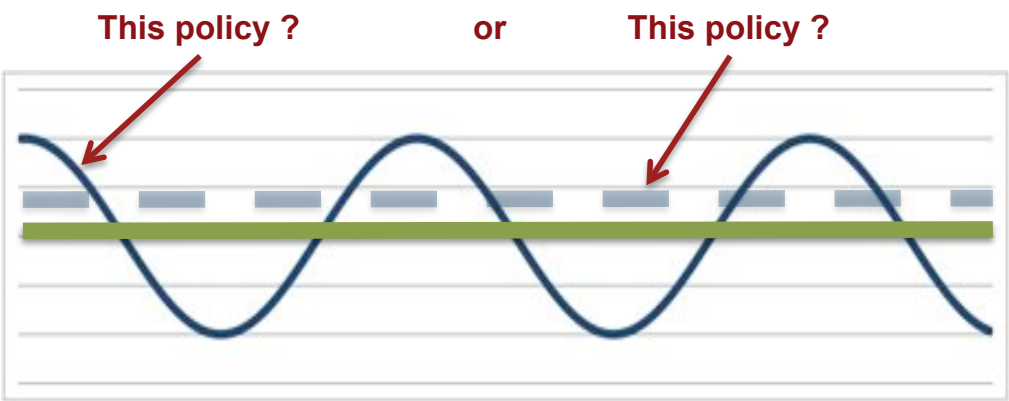
What happens in France ?

Jean-Loup BERTEZ
CIPRA France

What are we talking about ?

Production > **Consumption**





<u>In theory, it's simple</u> :

the ambition is **to cover *(even exceed)***

the **local energy consumption**
with
the **local energy production**,

usually by year 2050
(that of the « Factor 4 »)

<u>In practice, this raises 3 questions</u> :

1. **Put priority to action on the production … or to action on the consumption ?**
   Of course, territories always put some action on both sides … but which one is the leading action, while the other is just complementary in the territorial strategy ?

2. **Aim at a positive annual energy "balance sheet", or at a continuous autonomy ?**
   In the first case, the territory manages some kind of an "energetic account" all the year long, with energy exports & imports … in the second case, the production model is tailored on the consumption model

3. **How to measure performance ?**
   The territory needs a system of references for measuring its progresses & achievements … it also needs to support the measurements with a continuous improvement process

Zen&rgie · Plan Bâtiment Durable · CIPRA Vivre dans les Alpes · Fédération Française de la Construction Passive

An “energy-related territory”, what’s it ?

« Just put the People at the Centre ! »

Charlotte PERRIAND
Dwellings designer
(architecture, equipment & styling)

LE CORBUSIER contemporary & work partner

At what time and at which condition, a local energy system combining *[Production & Consumption]* stops to be just a technical arrangement and becomes a true “energy-related territory”, capable of autonomy ?

When ambition and project get out of the offices, overcome the temptation to be the particular issue of experts & elected officials … and become **the actors themselves’ issue** : **citizens, entrepreneurs, etc.**

There is no Energy Transition ***without the actors (citizens, entrepreneurs, etc.)*** *:*

- *In the buildings, they are there …*
- *In transport devices, they are there …*
- *At the work places, they are there …*
- *Etc.*

This is the entire “living territory” that is "self-sufficient", ”autonomous" or "positive energy” :

- *Not only politicians, other elected people, experts or technical officers (municipal, etc.)*
- *Not more ministers, presidents or kings*

Zen&rgie · PLAN BATIMENT DURABLE · CIPRA VIVRE DANS LES ALPES · Fédération Française de la Construction Passive

What happens in France ?

3 "motor" Regions

Have launched "calls for expression of interest" (CEI) with communities in their territories :

- **AQUITAINE (in 2012)** : 4 selected areas from 2012, 4 more held in 2013, a second CEI launched in the fall of 2013 aiming at increasing the number of territories
- **RHÔNE-ALPES (in 2012)**, plus a call for expertise in the summer of 2013 to organize and support the territories network (4 years action) : 8 territories planned for late 2013 … the objective is (via new CEI to be launched) : 15 by end 2014 & 20 by end 2015
- **BOURGOGNE** (in 2013) : 8 territories planned for late 2013

Local experiences

- BRETAGNE : 2
- PICARDIE : 1
- POITOU – CHARENTES : 1
- **PROVENCE ALPES CÔTE D'AZUR** : 1

+ territories that mediate their action less …

Zen&rgie · PLAN BATIMENT DURABLE · CIPRA VIVRE DANS LES ALPES · Fédération Française de la Construction Passive

Alpstar
TOWARD CARBON NEUTRAL ALPS

ALPINE DIALOGUE
Energy Transition

Luzern (october 23rd-24th, 2013)

European networks :

- **RURENER** (rural communities for energetic neutrality) :
  http://www.rurener.eu/
- **RES-TEPOS** (communities in energy transition) :
  http://www.territoires-energie-positive.fr/

SHORT PERSONAL CONCLUSION

The total footprint of the energy system which combines [Production & Consumption] is not a balance … it is an ADDITION ! Even also an addiction …

First, consumption must be mastered & optimized …

Second only, production must be adjusted, but not necessarily maximized !

Jean-Loup BERTEZ

CIPRA France

Zen&rgie · PLAN BATIMENT DURABLE · CIPRA VIVRE DANS LES ALPES · Fédération Française de la Construction Passive