

TACKLING EFFECTS OF CLIMATE CHANGE – TODAY AND TOMORROW

**QUERIES:
MANIFESTATIONS? ADAPTATION-
MITIGATION-BOTH?
INNOVATIONS?**

WORKSHOP 1

Findings presented...

- **Douro valley:** no big ecological changes, decreasing population, but carbon load up 21% in 10 yrs.
- **Terceira island:** temp change would wipe out horticulture in 50 years
- **Porto:** extreme heat islands detected in the (compact) city
- **CO2 footprints Brasilia - Curitiba:** 1.5 : 1 (or 20:1?)
- **Finland:** IFCC carbon-production calculation relevant?
- **SEA:** needs to become strategic on low carbon

Key issues - 1



- 1. Explosion of Engagements.**
- 2. Urban consumption must change.**
- 3. Vulnerability monitoring is necessary.**
- 4. Sustainability and vulnerability assessments and forecasting are required**
- 5. Ideas for governance.**

Key issues - 2



1. **Explosions of Engagements.**
 1. Needs tracking and evaluation today and tomorrow.
2. **Urban consumption must change.**
 1. Low hanging fruit + long-term planning.
 2. Environmental, social, economic; urban and rural.
3. **Vulnerability monitoring is necessary.**
 1. But the CC calculations are not reliable for urban activities and activities.
 2. Production-sector focused.
 3. Life style changes not incorporated.
 4. Sprawl not figured in.

Key issues - 3



4. **Sustainability and vulnerability assessments and forecasting are required**

1. both to discuss optimization options and warn of economic and other shocks.

5. **Ideas for governance.**

1. Monitoring and evaluation.
2. Resource-focused planning and SEA tools (energy, environment, economy).
3. Planning administrations need data and T&CB.
4. Education on new and more strategic tools, and on useful technical assessment options.

Interesting ideas



- Low-hanging fruit: saving lamps and insulation. That simple!
- Planning tools to optimise energy and environmental resources, rather than to minimise impact of wasteful use of any resources
- Economic analysis and forecasting
- Monitoring of heat islands to protect weak people
- Mapping of disaster hotspots to prioritise action
- ‘Sprawl’ greening to enhance sinks

Rich vs poor world polarisation?

- **Low-carbon. Carbon-free. What's the call about?**
Cities in developing countries are low-carbon; and compact.
- **Over-ambition vs over-fearful.** Self-fulfilling prophecies? Words only in developed world; de-investment in developing world?
- **Urban consumption:** mitigation possible in developing countries; adaptation thinking in developed countries.
- **No mitigation without adaptation. No DRR without adaptation.**
- **Tools can be shared;** techniques for measuring and planning are relevant for both, but baselines and assumptions need to be clarified.
- **Data need / T&CB is true for both.**

And...



- ***Innovations not stressed.***
- ***Hard work.***
- ***Long term endeavour to change behaviour and how resources are used.***
- ***Horses for Courses.***
- ***Urgency.***
- ***IsoCarp and Copenhagen?***