

Metrex Hamburg conference on climate change

28-11 to 01-12-2007



Ile de France Region

Ile de France Region



The Ile de France region and the global warming

a population of 11 million, 19% of France

12,012 km², i.e. 2% of the territory of France

25% built-up areas, 52% farmland, and 23% forest and woodland areas

29% of the GDP of France, and 5% of the GDP of the EU

Europe's 2nd busiest airport hub (78 million passengers) and 2nd busiest inland waterway transport hub (70 ports)

TGV (very high speed train) links to 2 European capitals: London and Brussels

210 km of Metro lines, 1,400 km of railway and express interconnector (RER) rail lines, 3,000 km bus lanes

the World's leading tourist destination

The main actions supported by the Regional Council

- permanent actions conducted by its Agencies for Energy (Arene) and for Economic Development (ARD) in the field of renewable energies;
- the new Ile de France Region Master Plan (SDRIF)
- IAURIF workshops in 2006-2007 on the consequences of energy constraints on operation of the conurbation of the Ile-de-France Region
- a region-wide carbon assessment conducted with Ademe
- IAURIF is participating in Metrex on the EU CO2 80/50 Project as steering partner.

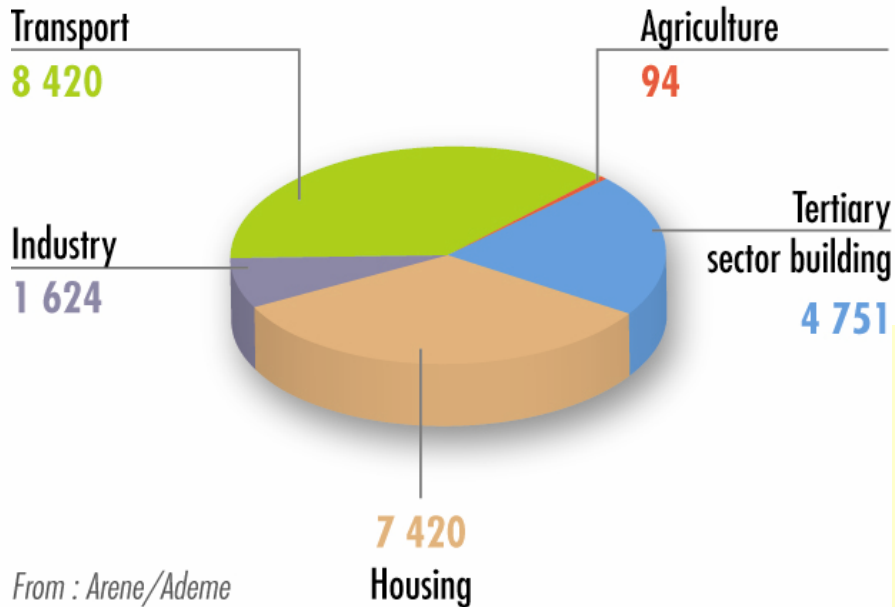
IAURIF workshops

Paris region depends on external energy for 95%

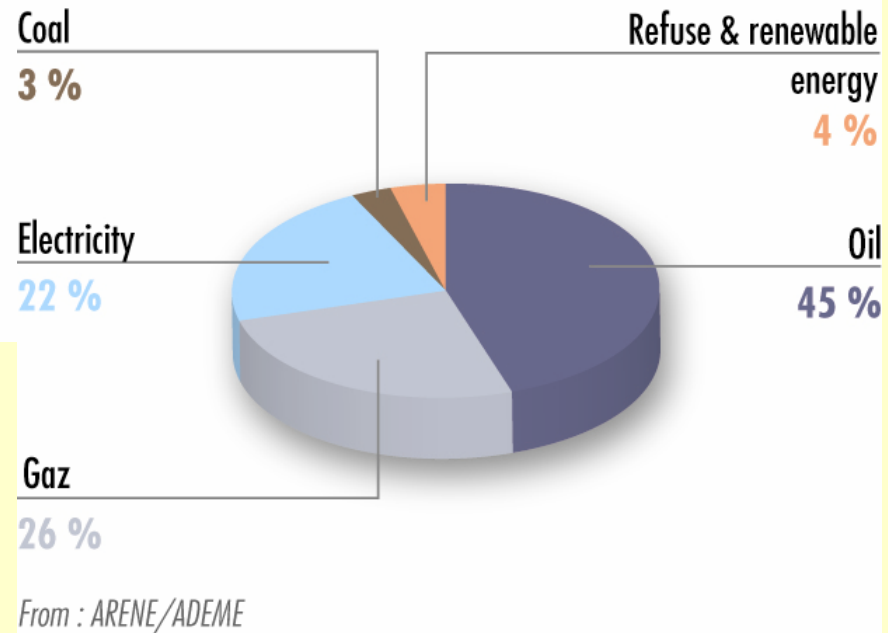


IAURIF workshops

Ile-de-France Region energy budget per item (22,3 M tep) 2003



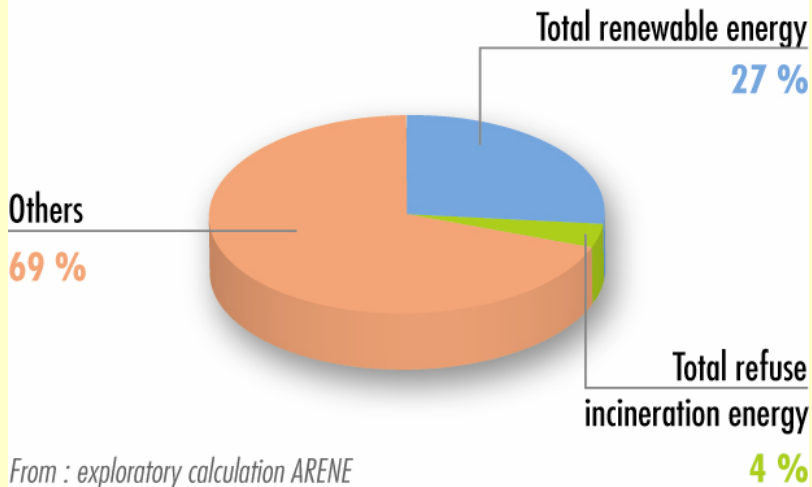
Final energy consumption (22,3 M tep) in 2003



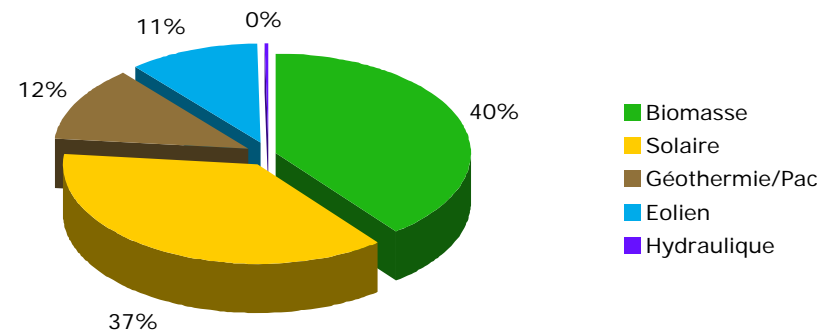
IAURIF WORKSHOPS

scenarios of renewable energy in 2050

Final energy consumption in 2050
7,5 Mtep = 1/3 of 2003



% of each renewable energy in 2050



Regional council actions

The energy plan organised by 2 deliberations of 2001 & 2006 grants for surveys, diagnostics, and work in local & renewable energy
concept of “owner/landlord plans

- Thermal



- Wind , solar



Regional council actions

Green electricity



refuse-incineration:
objective:
10,000 extra
equivalent-dwellings

Wood:
objective:
300,000 tonnes of
wood consumed by
the end of 2010

- new local energy agencies and a regional energy observatory.

Reducing energy consumption in high schools

- 470 lycées
- 400,000 students
- 6 million square metres
- 60,000 m² renovated or built every year
- Consumption : 70 kilotonnes of equivalent oil per year, (10% of the Region's domestic consumption)
- carbon footprint corresponding to 21,000 domestic residents

Since 2004, all of the major renovation and construction operations have an eco-building approach: HQE & certification

- 50 operations performed
- Extra cost : 10%
- Energy saving 35% to 50%
- New objective : buildings « zéro énergie & low consumption »

The new Master Plan for the Ile de France Region (SDRIF):

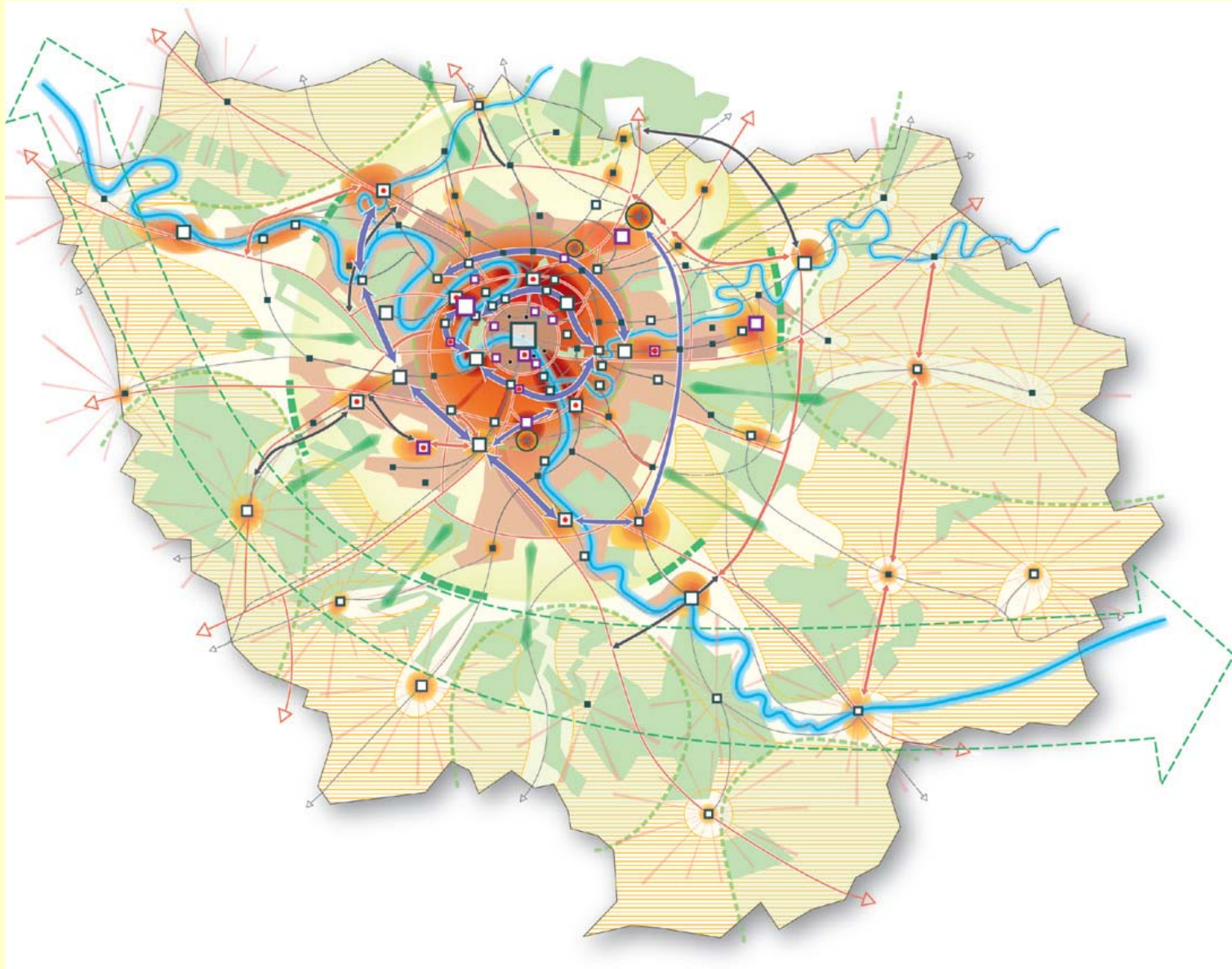
a plan for a sustainable region by 2030

- **the concept of a robust region.**
- **An overall response: a city compact, thrifty in terms of resources, particularly space and energy; and a means: densification**

- **The keynotes of the Region's spatial project**

- densification of 16,000 hectares lying within the conurbation, with identification of brownfield areas, sites whose use can be changed, and areas around stations;
- the new urban extensions on 30,000 hectares will depend on the quality of access, and on the necessities of re-balancing the Region, and will be implemented with higher urban density (at least 25 dwellings per residential hectare);
- reinforcement of the poly-centric urban fabric making it possible to organise local catchment areas.
- extracting added value from a region-wide system of open spaces.

Master plan project for 2030





Thank you for your attention