

# 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 km<sup>2</sup>, 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 2<sup>nd</sup> busiest airport hub (78 million passengers) and 2<sup>nd</sup> 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.

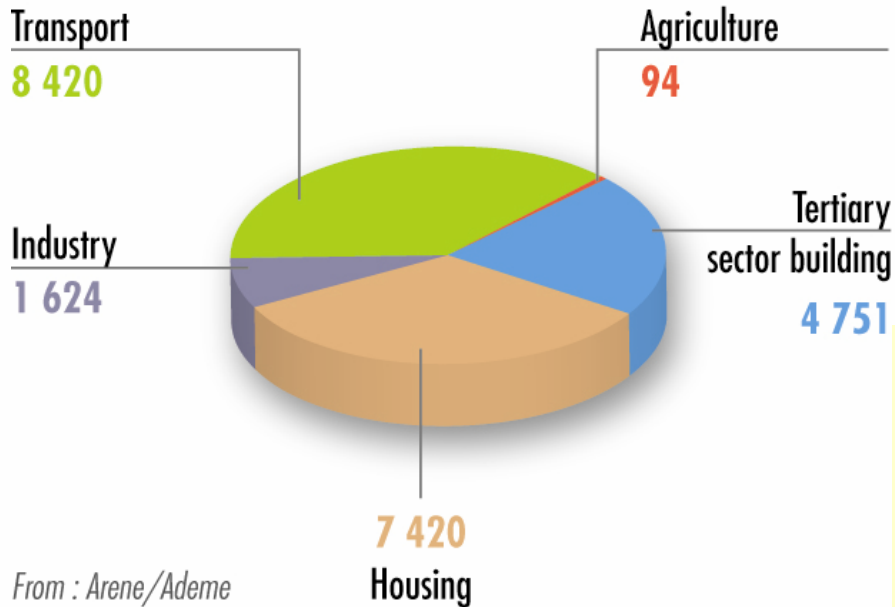
# IAURIF workshops

Paris region depends on external energy for 95%

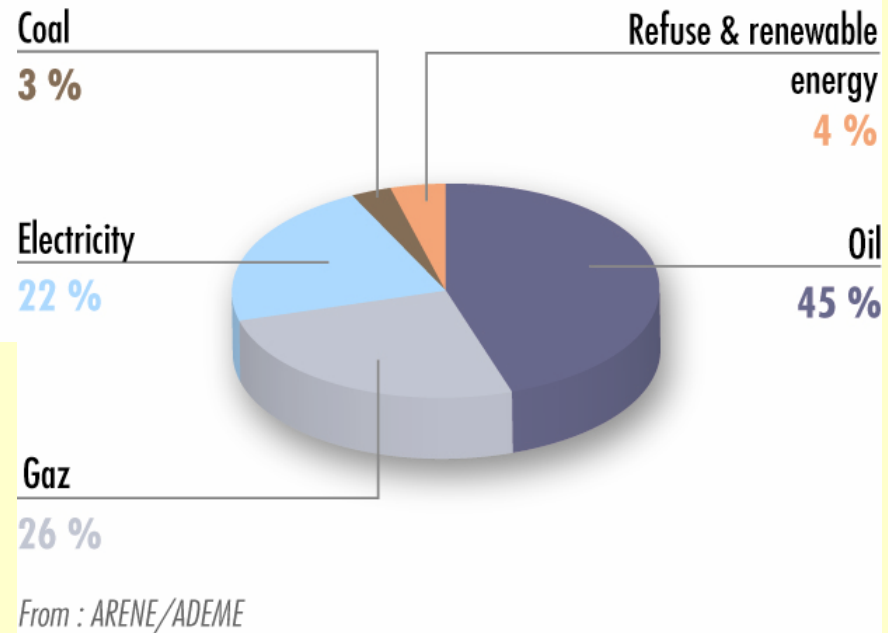


# IAURIF workshops

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



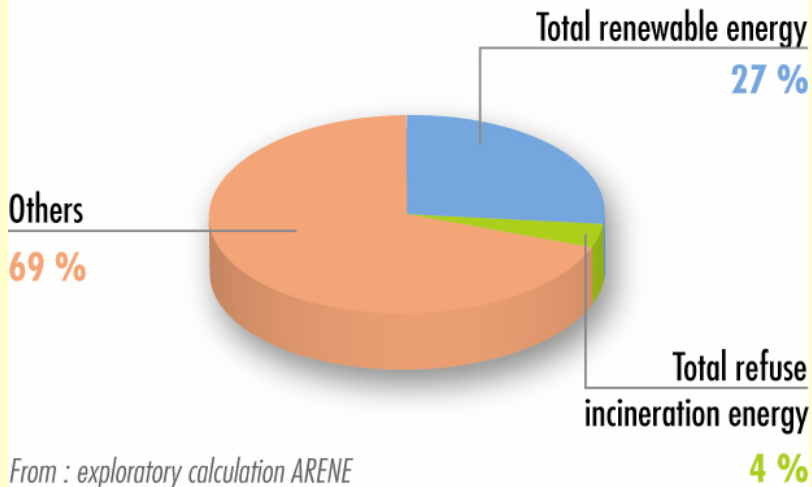
Final energy consumption (22,3 M tep) in 2003



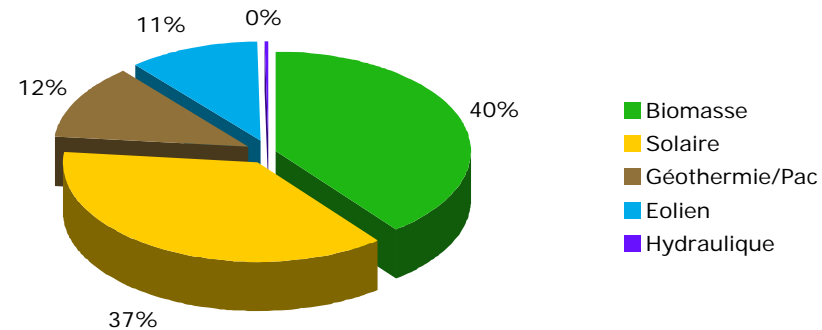
# IAURIF WORKSHOPS

## 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 m<sup>2</sup> 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):**

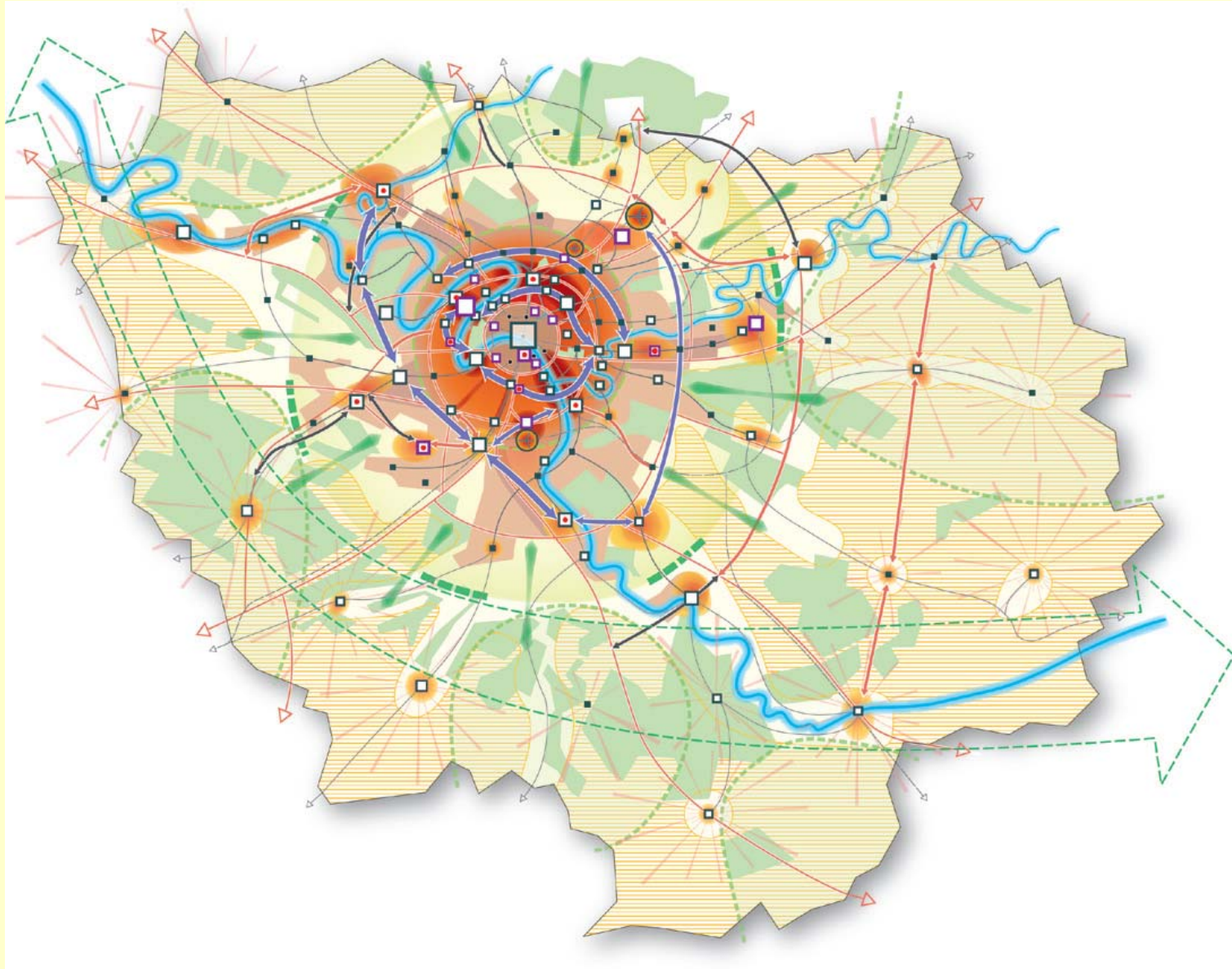
**a plan for a sustainable region by 2030**

- **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