

An aerial photograph of a city, likely Paris, showing a dense urban grid with numerous green spaces, parks, and a prominent river (the Seine) winding through the center. The image is overlaid with a semi-transparent blue and white graphic that appears to be a map or plan, possibly related to climate or energy infrastructure. The text 'Local climate and energy plans in France' is superimposed in white, bold font across the upper portion of the image.

Local climate and energy plans in France

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March 5 & 6, 2015

ADEME activity as operator of public policy

ADEME is involved as Public Agency under the authority of Ministry of Energy, Environment, Sustainable Development and Research in the field of energy efficiency and renewable energy :

- *Advices for the Government (on policies and measures) and developing tools for companies and local authorities*
- *Awareness campaigns and information of large public*
- *Supporting investments in the field of heat production from renewable energies*
- *Supporting research and innovation for green technologies*



A staff ~ 1 000

- **3** central sites (~50%)
- **26** regional directions
- **3** representations in overseas territories
- **1** office in Brussels

- **What is at stake for local authorities in the world :**

- Local authorities = 50% of the world population, 60% by 2030 (UN)
- Cities are responsible for 60 to 70% of the GHG emissions (UN) and for the largest consumption of energy resources worldwide (around 70%) (UN)

- **Energy and climate French objectives:**

- In 2050: Factor 4, divide CO2 emissions by 4 compared to 1990
- Decrease of final energy consumption from 26% in 2030 to 52% in 2050.
- Increase of the share of multi-family new buildings from 42% in 2010 to 50% in 2030.
- Urban mobility in 2050 : 30% shared vehicles, 25% collective transport, 15% bicycle.

French objectives on climate for local authorities

➤ **2010 : regulation in France on climate and energy for local authorities :**

- mandatory to realise a GHG emissions inventory and a Territorial Climate Energy Plan (TCEP) for every local authorities of + 50 000 inhabitants
- mandatory for the 26 French regions to adopt a Climate Air Energy Scheme (mitigation & adaptation).

LA TRANSITION ÉNERGÉTIQUE pour la
CROISSANCE VERTE

➤ **2014-2015 : law project on energy transition and green growth:**

- TCEP and GHG emissions inventory are mandatory for every local authorities of + 20 000 inhabitants
- Mandatory to include air quality in the local climate energy plans.



➤ **2014-2015 : TEPCV initiative (« Territoires à énergie positive pour la croissance verte » / « energy-plus local authorities for green growth »)**

- Call for proposals by the Ministry for ecology in Sept. 2014 : 528 local authorities candidated, 200 supported.
- Main objectives: development of local renewable energies, reduction of energy consumption, low carbon mobility and waste recovery.



ADEME's role to promote sustainable cities and fight against climate change

- **Contribution to research programs for sustainable urban development:**
 - On transport, urban mobility, energy and environmental impacts
 - On building, targeted on the compliance with new thermal regulation : 50 kWh/m²/an for new buildings (started in 2012)
 - Others (spatial planning, architecture, environmentally friend construction, indoor air quality, etc.)
- **Formulating practical approaches for the development of tools/methodologies for cities :**
 - Integrated approach to sustainable cities (TCEP)
 - GHG emissions inventory for urban authorities and territorial climate energy plans, urban mobility plans, etc.
- **Ensuring suitable implementation of such approaches:**
 - Increasing awareness of the different urban actors (examples : Cit'ergie label for energy consumption, Energy Info Points)
 - Training of professionals
 - Identifying indicators of sustainability for urban decision-makers

French methodology: territorial climate energy plan

➤ Territorial Climate and energy plans (Plan Climat Energie Territoriaux - TCEP):

Animation/moderation and concertation are the strength of the French approach.

6 steps:

- 1) Raising awareness of the local stakeholders on the issue of climate change
- 2) GHG emissions assessment + vulnerability to climate change diagnosis : 3 to 6 months
- 3) Concertation with all the stakeholders : public, private, NGO, citizens...
- 4) validation of the action plan
- 5) implementation of the action plan
- 6) follow up and assessment

12 to 24
months



Cost for developing a TCEP: depends on the size of the local authority and the scope of the local plan

ADEME's resource center: www.pcet-ademe.fr

Tools :

- A TCEP methodology guidebook
- European Energy Award (Cit'ergie in France)
- A GHG emissions assessment tool: 2000 inventories on the resource center
- Impact' Climat : tool on adaptation

Technical / theme tools to take action:

- Energy audits
- The AEU² (Environmental Approach to Urban Development)
- Waste prevention plan



Cit'ergie
 European Energy Award®



Trainings :

- Elected representatives
- Project leaders
- Consultants
- Civil Servants of French administration

Information, raising awareness and capitalizing on:

- Web site : www.pcet-ademe.fr
 - ↳ TCEP Observatory: 650 TCEP achieved or on-going in France
 - ↳ Best practice information sheet


PCET Centre de ressources pour les
 Plans Climat-Energie Territoriaux
 vers la transition énergétique

Accueil / Observatoire des Plans Climat-Energie Territoriaux / Rechercher un PCET

[Imprimer](#)

FICHE D'IDENTITÉ PCET
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Rechercher un PCET

+ Observatoire des PCET

Rechercher un PCET

Rechercher une action

Identification

Inscription

+ Actualités

+ Comprendre les enjeux

+ Comment s'y prendre?

+ Les événements PCET

+ Ressources, liens et téléchargements

+ Acteurs

Ville et Eurométropole de Strasbourg

Porteur(s) : Ville de Strasbourg (Commune), Communauté Urbaine de Strasbourg (Communauté Urbaine)

••• CARTE D'IDENTITÉ

- Site du PCET : www.strasbourg.eu
- Date de lancement du PCET : 07/2009
- Population couverte par le PCET : 473 187 habitants
- Autre PCET sur le territoire : [Ville d'Illkirch-Graffenstaden](#)

••• NIVEAU D'ENGAGEMENT DU PCET

1^{ère} étape

2^{ème} étape

3^{ème} étape

4^{ème} étape

Préfiguration

Diagnostic et mobilisation

Construction du PCET

Mise en oeuvre

••• PROFIL CLIMAT ÉNERGIE

- Bilans des émissions de gaz à effet de serre « Patrimoine et compétences » :

Bilan année 2008

Méthode(s) de comptabilisation

 - Méthode globale (Scope 1, Scope 2, Scope 3) type Bilan Carbone®
- Bilans des émissions de gaz à effet de serre « Territoire » :

Bilan année 2006

Méthode(s) de comptabilisation

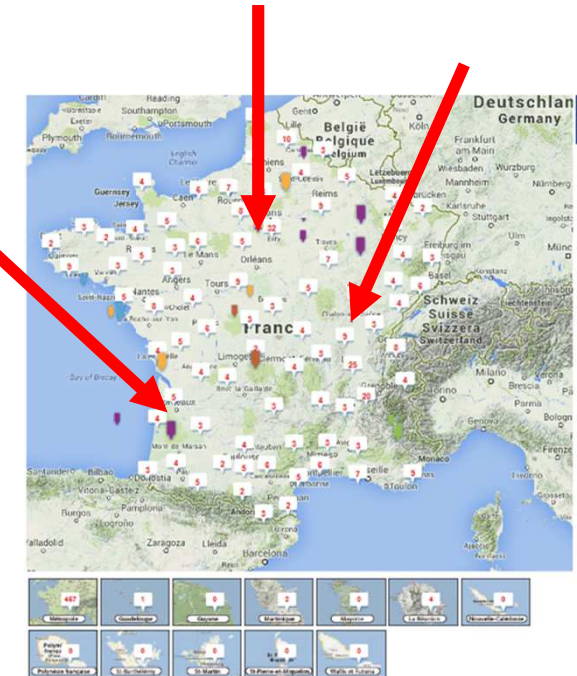
 - Inventaire

••• MOBILISATION DES ACTEURS DU TERRITOIRE ET DE LA POPULATION

- Relais du PCET : Association environnement / Étude de faisabilité création d'une agence locale du climat

Examples of TCEP in France

- **Bordeaux: 730 000 inhabitants, +1% per year, urban area**
 - stabilization of the GHG emissions (2009 - 2012).
 - A TCEP focusing on the energy transition + more solidarity + more concertation with all stakeholders (2012)
 - Transit-oriented system (urban planning around 70 km of tramway lines)
 - Eco-districts : Euratlantique, Ginko, etc.
- **Chalon-sur-Saône: 48 000 inhabitants, decrease population, rural area**
 - TCEP = a way to revitalize the city and attract industries ex: Amazon
 - Environmental quality + Transportation policy (41 km bike lanes + new bus line to high level of service)
- **Issy-les-Moulineaux : 65 000 inhabitants, 70 000 jobs, urban, close to Paris, 57% NITC companies**
 - IssyGrid : smart grid project for the city (2011). 1st pilot project in France.





Local climate-energy plans supported by France in the world





Ex: Project « PACE », in Rio Grande do Sul, Brazil (2010 – 2013)



Climate Air Energy regional director scheme, an integrated territorial strategy: air quality management and GHG emissions reduction
Metropolitan region of Porto Alegre and industrial zones of Caixas & Rio Grande

- **Context:**
 - Country of the “gauchos” (cattle) = 33,37% of the State’s emissions
 - Agriculture = 34,34% of the emissions
 - 1st Brazilian mine resource (coal) = 80% of national carbon resources ⇒ strong pollution
 - 4th economy of Brazil

- **Number inhabitants : 11 millions**
- **15 millions of cows**
- **Area : 1/3 of France**

4 stages :

- **Realisation of the energy and climate profile of Rio Grande do Sul:** energy profile of the State + GHG and atmospheric emissions analysis + evaluation of the RE potential of the State + evaluation of its vulnerability to climate change.
- **Concertation with local stakeholders :** industries, farmers et stock breeders, FEPAM, energy suppliers, public transportation companies, environmental NGOs, waste and water treatment companies, etc.
- **Adoption of PACE** by the governor of the State of Rio Grande do Sul in September 2011.
- **Concrete implementation of PACE 54 recommandations :** on going since 2012 for a budget of 1,5 millions reals (~ 600 000 €). For example :
 - Project to upgrade the air quality monitoring stations and installing new equipments ;
 - Project to develop waste incineration in Rio Grande do Sul and to control the emissions ;
 - Generalisation of the programme on low carbon agriculture to encourage technologies and practices reducing GHG emissions;
 - Incentive mechanisms to encourage industries and companies to do a GHG inventory and to reduce by 10% their emissions = free licence for 1 year;
 - Pilot RE projects to develop solar energy and biomass for municipal buildings and infrastructures ;
 - Pilot project of hydrogen bus in Porto Alegre ;
 - Best practices guidebook on climate change and energy for local authorities in Brazil : distributed to 290 municipalities of Rio Grande do Sul in January 2014 by Secretary of State of Environment.

GUIA DE BOAS PRÁTICAS AMBIENTAIS PARA OS MUNICÍPIOS DO RIO GRANDE DO SUL



As ações possíveis para reduzir a poluição do ar e mitigar as mudanças climáticas no meu município

Convênio 1159C0015: Apoio ao projeto de comunicação e sensibilização sobre mudanças climáticas e qualidade do ar no Estado do Rio Grande do Sul-Brasil

At the international level

- **Several global initiatives** (ICLEI, Covenant of Mayors, C40, NAZCA portal, R20, Compact of Mayor...) already list and disclose information on cities' and regions' climate plans.
- For more than 15 years, **experiments have been managed in hundreds of cities and regions**, North and South, big and small, dense or not.
- Cities, regions, networks and other committed local actors expect **their engagement to be valued and their role to be duly taken into account** in Paris, on the road to the COP21 and beyond.

- ⇒ **diversity** of subnational climate plans
- ⇒ **varying quality** of these plans
- ⇒ **diversity** of methodologies

- Existing **lack of common understanding** as to what local climate change plans could and should contain.



Need to initiate a dialogue and process for developing international guidelines on city climate change plans

i.e. initiative launched by UN Habitat and World Bank in COP 20 in Lima



CITIES
Mayors Compact
Action Statement
Provisional copy





**A FORUM OF COMMUNITIES
FOR URBAN SUSTAINABILITY**

March 5 & 6, 2015
Embassy of France
4101 Reservoir Rd, NW
Washington, DC – 20007



- **FOCUS** conference participates to this dialogue by promoting **share and showcase of existing actions of the American and French local authorities to fight climate change.**
- We need to build on these meetings (ECOCITY, FOCUS, World Summit Climate and Territories in Lyon, etc.) to **make a step forward** in the perspective of COP 21.



Thank you for your attention



For more information

www.ademe.fr

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