

# Residential Heating French experience

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**Ministry of Ecological and  
Solidary Transition**

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DE LA TRANSITION  
ÉCOLOGIQUE  
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# PREPA

- **PREPA** : National air pollution control program adopted on 10 May 2017 – *Directive EU 2016/2284*
- Signed by 10 Ministries (*Prime Minister, Environment, Interior, Economy, and Finance, Solidarity and Health, Territorial cohesion, Agriculture and Food, Housing, Overseas France and Transport*)
- **4 sectors of activity** : *industry, transport, residential, agriculture*
- **3 specific axes** : *knowledge enhancement, mobilisation of local stakeholders and financial sustainability for air quality*
- Different **policy instruments** : economic, regulations, public awareness, ...
- **About residential heating** :
  - Energy efficiency measures
  - Equipment upgrades – wood stoves replacement programmes
  - Market surveillance of wood burning appliances
  - Raising awareness (good practices)
  - Sulfur content reduction in domestic fuel (from 1000 to 50 ppm)

# Impact of wood burning in France

- SECTEN (CITEPA), part of annual emissions in 2015 :
  - $PM_{10}$  : 28 %
  - $PM_{2,5}$  : 44 %
  - Polycyclic Aromatic Hydrocarbon : 59 %
  - Benzene : 58 %

# Actions - Focus

- Label « Flamme verte » :
  - Applicable to domestic wood-burning heating appliances
  - Fixes performance and pollution control requirements – Anticipation of Ecodesign
- Financial supports :
  - « CITE » : tax credit for energy efficiency works and using of efficient wood burning appliances
  - « Fonds air » : on most polluted territories, financial support for wood equipment upgrades and communication on good practices – co developed by local authorities

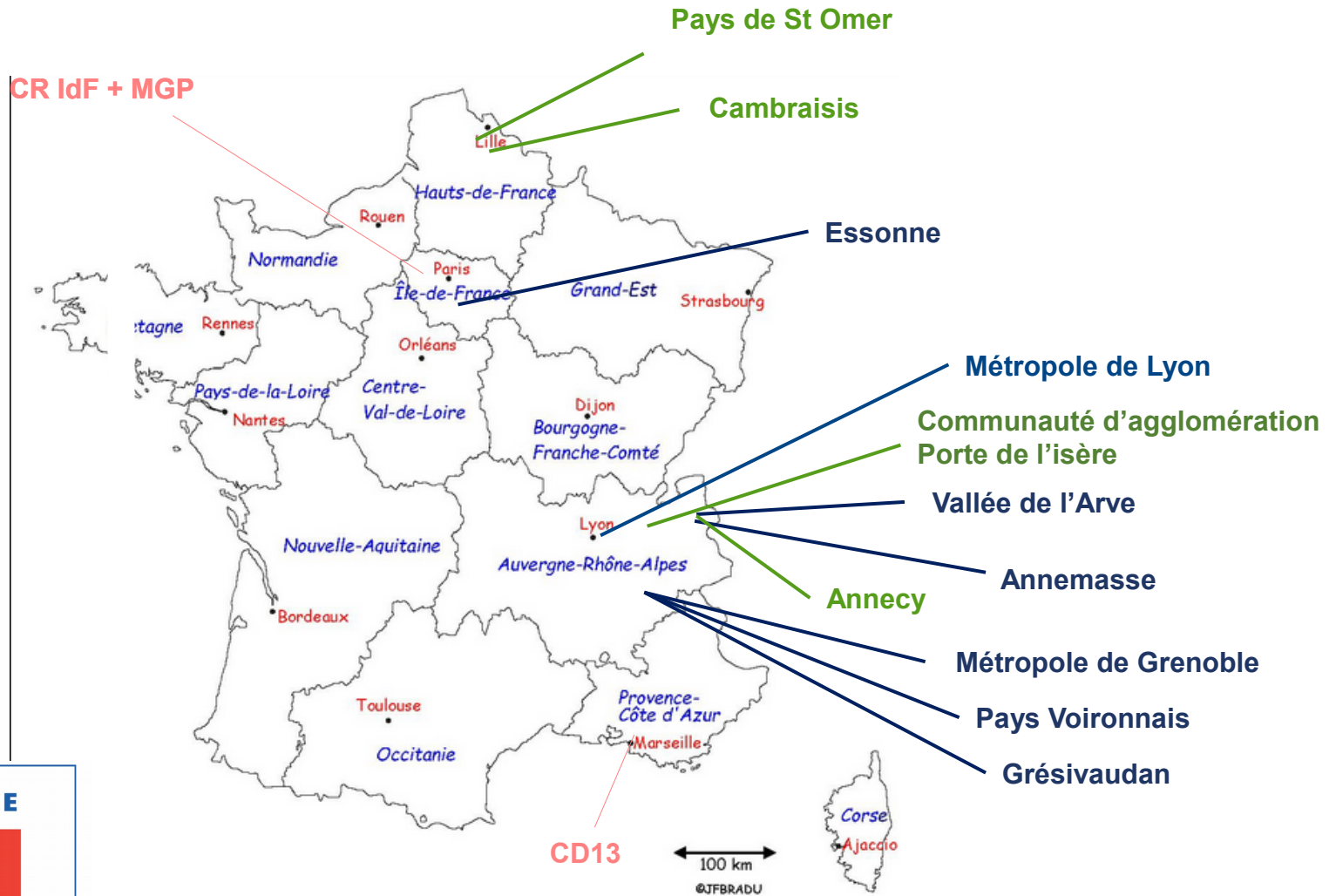


# Air fund

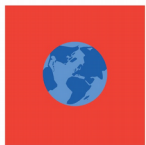
Actual funds

Studies

Underway contractualisation



**ADEME**



Agence de l'Environnement  
et de la Maîtrise de l'Énergie



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# Actions - Focus

- Communication :
  - ADEME brochures
  - Local initiatives (Grenoble, DRIEE, ...)
- Many studies : on real wood burning emissions and the parameters influencing these emissions
- Challenges : reducing the discrepancy between performance at product certification and in real life



**Merci de votre attention**

**Спасибо за внимание**

**Thank you for your attention**

