Residential Heating
French experience

Ministry of Ecological and Solidary Transition
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PREPA


▪ 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:
  - $\text{PM}_{10}$: 28%
  - $\text{PM}_{2.5}$: 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
Actual funds

Studies

Underway contractualisation

Air fund

CR IdF + MGP

Pays de St Omer

Cambraisis

Essonne

Métropole de Lyon

Communauté d’agglomération Porte de l’isère

Vallée de l’Arve

Annecy

Annemasse

Métropole de Grenoble

Pays Voironnais

Grèsivaudan

Agence de l’Environnement et de la Maîtrise de l’Energie
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 your for your attention