



Clean and resource-efficient environmental technologies and processes for air quality, waste and soil management

ADEME's position

In 2007–2010 ADEME's support for large companies will essentially aim to develop services that enable their public and private-sector clients to obtain "turn-key" solutions for cleaning up their emissions and/or for improving their management of natural resources. For small enterprises, ADEME will give priority to support for research projects aimed at developing and testing new processes and/or new natural-resource management options. ADEME is in charge of piloting the scientific aspects of this programme, under which the largest projects will be eligible for ANR grants.

Long-term stakes

Environmental technology research encompasses both downstream mechanisms to counter pollution and "integrated" technologies that limit pollutant emissions, energy consumption and use of raw materials. This research work must be informed by the objectives of the European Environmental Technologies Action Plan (ETAP) and contribute to improving the competitive position of French companies in the sectors of environmental technology and clean processes.

The research themes are: sustainable production and consumption (environmental design, product life cycle, integrated waste management, technologies for waste treatment and materials recovery, atmospheric emissions control, process energy efficiency), soil conservation technologies and integrated management of pollutant emissions.

Objectives for 2010

This R&D programme will pursue two objectives for 2007 – 2010:

- development of new emissions clean-up methods for air quality, soil conservation and waste management; the priority will be on development and experimentation of processes that bring innovation to traditional practices. Careful attention will be paid to the interaction between implementation of these processes, organisation of production chains and treatment systems, in order to optimise installation, operating and maintenance costs for these new systems;
- progressive implementation of a strategy for managing the processing and use of raw materials: this objective will be attained by developing products and processes that use fewer raw materials (environmental product design) and reduce the impacts of this use. The components of this raw-materials management strategy should converge towards the perspectives proposed by industrial ecology.

Means

Estimated cumulative budget for 2007 – 2010

⇒ **40 to 50 M€**

Cumulative number of theses 2007 – 2010

⇒ **70 to 75**

Number of experts mobilised
(equivalent in full-time positions)

⇒ **13**