

Facts & news ADEME

For the Facts&News, please find below some information on the recent studies that have been led by ADEME:

Cost of renewable and recovered energy in France

With a view to limiting recourse to fossil fuels and thereby slowing Global warming, renewable energy production sources are enjoying a boom thanks to the public policies implemented in France and around the world. Past and future falls in the renewable energy production costs provide the subject of many discussions.

To bring factual content to these discussions, ADEME produces this document presenting variations in the current cost of production for every source of renewable energy in France and, where data is available, shows past (2008-2018) and future (2018-2050) trends. For some energies, an international comparison is also provided for current costs.

Link: <https://www.ademe.fr/cost-of-renewable-and-recovered-energy-in-france>

Evolution Trajectories Electricity Mix 2020-2060 (Study Summary enclosed)

This new study aims to analyse the results of an economic optimisation of the development, between 2020 and 2060 (it is the first time a study of the French electricity mix covers a horizon up to 2060), of the various forms of renewables integrated into the French electric power system, interconnected with its European neighbours. The full cost of a variety of contrasting evolutions of the French electric power system is assessed, thereby bringing an understanding of the uncertainties linked to this forecast horizon.

Making the Most of Nature in Urban Environments

Urban development and renewal projects face many challenges – maintaining, extending and restoring greenery and natural sites in and around cities. In this publication the concept of nature in cities covers all species that live in urban areas, and their habitats.

Urban design and building practices that are intended to introduce and reinforce the presence of nature in cities are guided by many principles, some based on common sense and some on preconceived ideas and conventional wisdom. These principles must be supported by a quantitative approach to the environmental, health and economic effects of nature in cities.

This review document has been compiled to go beyond purely intuitive notions of the opportunities and constraints of nature in cities, and to give readers the keys to understand the phenomena at work and the conditions in which they occur. The environmental, health and economic effects of urban nature are characterised, and key figures and orders of magnitude given.

The authors hope in particular to reach an audience of technical staff in local government authorities. This work is complementary to other publications that support nature-friendly urban planning. The content expresses ADEME's views on the impacts of nature in cities, in relation to different issues implicated in urban design: biodiversity, air and soil quality, acoustic environment, water and sanitation, thermal comfort, greenhouse gas emissions and concentrations, food supply, economic factors and the attractiveness of urban areas.

Link: <https://www.ademe.fr/making-the-most-of-nature-in-urban-environments>