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EXAMPLE OF CONCRETE APPLICATIONS OF THE ENERGY EFFICIENCY INDICATORS FOR THE ENERGY POLICY IMPACT ANALYSIS

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Overview

Since 1981, ADEME, the public body in charge of implementing energy efficiency (RUE) and environmental policies for the French government, has set up, under the solicitation of the government, a system of evaluation aiming at monitoring RUE in particular the energy saving at different level of interest: projects, programmes and policies (P&Ms). The main motivations have been: i) to assess the impact of the public funds dedicated to RUE and ii) to improve the design of P&Ms .

Method and Results

Both bottom-up evaluation and top down evaluation of RUE are currently used at ADEME. It includes classical ex-post and ex-ante evaluation methods. The ex-post evaluations have been applied on around 10 P&Ms while the ex-ante assessment on around 60 “typical actions” used in the framework of the newly implemented white certificate scheme. To this end 300 energy efficiency indicators, including the so called ODEX indicator (a synthetic energy efficiency indicator developed under the EU Mure-Odyssee project) have been set up.

In this framework, the paper presents the different methodologies used at ADEME to monitor energy efficiency. To this end some real life case study have been selected to better demonstrate the link between indicators and policies. Advantages and drawbacks of these methodologies are then analysed and discussed. The conclusion highlights the lesson learned from the application of these methodologies and the use of the top-down assessment tools in the concrete policy design.