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ODYSSEE-MURE

**First meeting of the project “ODYSSEE-MURE,
Monitoring EU Energy Efficiency First Principle and Policy
Implementation”
16-18 December 2019, Berlin, Germany**

The EE1 principle in Germany

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Introduction of the EE1 principle in Germany

First discussion in the “Green Paper on Energy Efficiency” (mid 2016)

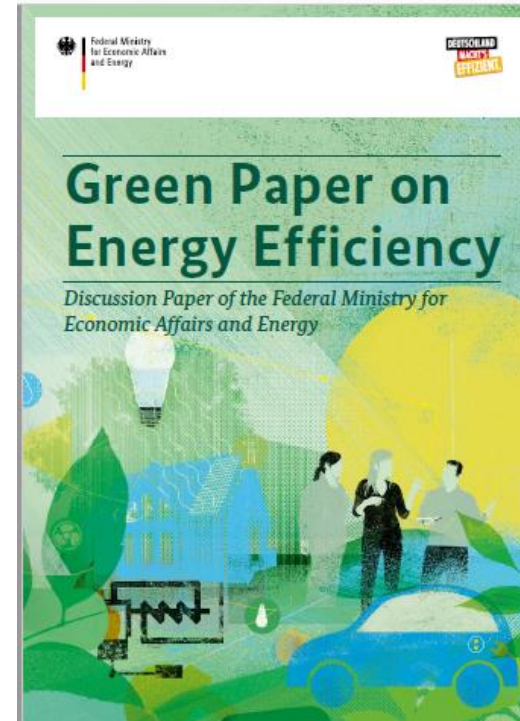
*“**Efficiency First**: How can the basic principle of the primacy of avoidance and reduction of energy consumption be specifically applied in planning and steering processes of energy policy and of the energy market?”*

Specification in the Coalition Agreement (2018)

*“With broad participation, we will develop an ambitious and cross-sectoral Energy Efficiency Strategy of the Federal Government to incorporate the guiding principle “**Efficiency First**” with the aim of reducing energy consumption by 2050 to 50 percent.”*



Implementation of the EE1 principle: “Energy Efficiency Strategy 2050”



Recent Developments of Energy Efficiency Policy in Germany :
Energy Efficiency Strategy 2050
(EffSTRA)

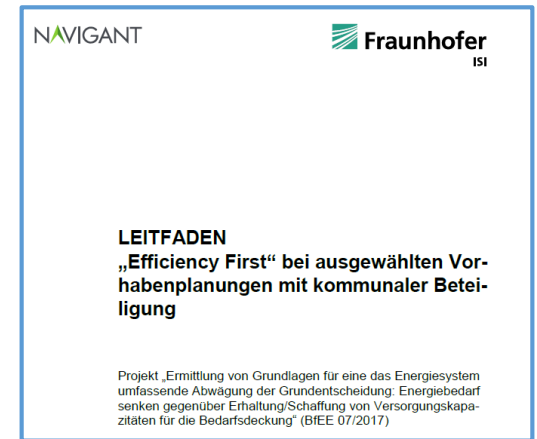
Development of practical tools for the implementation of the EE1 principle

Ex.: **Guidebook** and Excel Tool for decision makers in communities



- Overview of energy efficiency technologies and energy supply technologies
- Cost-benefit analysis in the assessment of demand-side and supply-side technologies (incl. multiple benefits)
- Planning guidelines for three selected project plans at municipal level:
 - Heat supply for a new urban quarter
 - Energy supply for a new industrial estate
 - Planning of a municipal housing association in the housing stock

LCOE-Calculator completing the guidebook:
Simple calculation tool (Excel) to compare the costs of energy efficiency measures and supply-side generation technologies.



Auswertung: Stromerzeugungstechnologien vs. Effizienzmaßnahmen

A. Allgemeine Einstellungen

Parameter	Wert
Kapitalkosten für Stromerzeugungstechnologien	hoch
ETS-Zertifikatspreis	oberer Wert
Standort PV/Wind-Onshore	Deutschland Süden
Emissionsbilanzierung	Direkte Emissionen
Einbeziehung von Umweltkosten	✓

Efficiency First: Hypotheses and guiding questions from the German “Greenpaper on Energy Efficiency”

- Do you agree to the following hypothesis:
Efficiency First leads to a cost optimisation of the Energy Transition and strengthens the decarbonisation effect of renewable energies.
- Should the guiding principle of *Efficiency First* become the strategic planning instrument for our energy system?
- Does a merging of existing energy efficiency legislation and anchoring energy efficiency goals in a common legal framework create added value?

How is the *Efficiency First* principle discussed in your county?

What is your view on the questions discussed in the German stakeholder process on *Efficiency First*?