

Enhancement of ETSAP E-TechDS database with cooling technology parameters for power plants

T. Kober, S. Selosse, S. Simoes

Tasks

- Literature study (building on previous work done by ECN and MINES ParisTech)
- Enhance E-TechDS database with cooling technologies
- Reporting methodology and data sources

Deliverables

- Repository of cooling systems and water saving measures for power plants (characterization incl. techno-economic parameters)
- Report on methodology and data sources for the dataset
- ETech-DS data sheets for power plants extended by characteristics of cooling technologies

Relevance to the Annex XIII topics:

- objective *Tools maintenance, i.e.* “Maintain and update the Energy Technology Data Source (E-TechDS), with attention to its direct potential contribution to modellers and integration with the other tools.”
- 2015-2022 ETSAP strategic plan: «The extension of the analysis beyond energy and economics to include water, land and ultimately food «

Time schedule and costs

- second half of 2015 and will be finished latest by the following ETSAP meeting in June 2016
- 21.75 kEuro

Expected Benefits for ETSAP:

- improved material on energy technologies to be downloaded from the ETSAP webpage
- increased perception of ETSAP and ETSAP tools among energy scientists and energy modellers