



NES Colloquium

Tuesday, 17 May 2016, 11:00 – 12:00, OSGA/EG06

LEA: Laboratory for Energy Systems Analysis

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LEA is an interdivisional laboratory of the Nuclear Energy and Safety Research Division (NES) and the Energy and Environment Division (ENE). The Laboratory consists of three groups: Technology Assessment, Energy Economics, and Risk and Human Reliability.

LEA supports the strategic interests of the two divisions as well as those of PSI by conducting systems analysis research addressing all major current and future energy supply technologies (fossil, nuclear and renewable) along with mobility options. The applications concern Swiss, regional and global levels. LEA provides expertise and performs research on the following topics:

- Comprehensive inter-disciplinary technology assessment covering environmental, economic and social dimensions of sustainability as well as energy security aspects;
- Model-based quantitative long-term energy and mobility scenario analysis addressing interactions between energy-economics-environment-technology.
- Probabilistic Safety Assessment (PSA) and Human Reliability Analysis (HRA), for nuclear power plants as well as applications in other domains.

The presentation will provide an overview of LEA competences, co-operations and activities. This will include selected recent highlights as well as an outlook.