➤ OPTIMIZATION   www.gams.com ◀
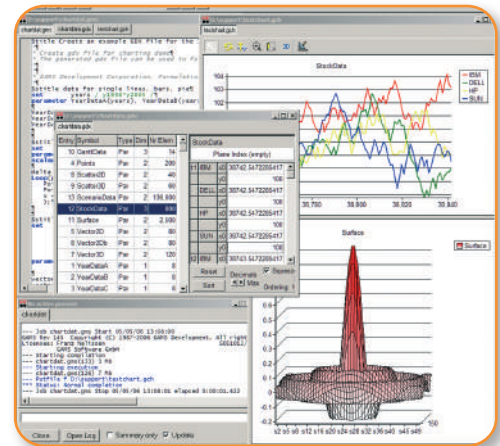
GAMS

High-Level Modeling

The General Algebraic Modeling System (GAMS) is a high-level modeling system for mathematical programming problems. GAMS is tailored for complex, large-scale modeling applications, and allows you to build large maintainable models that can be adapted quickly to new situations. Models are fully portable from one computer platform to another.

State-of-the-Art Solvers

GAMS incorporates all major commercial and academic state-of-the-art solution technologies for a broad range of problem types.
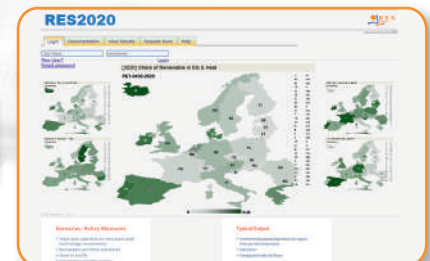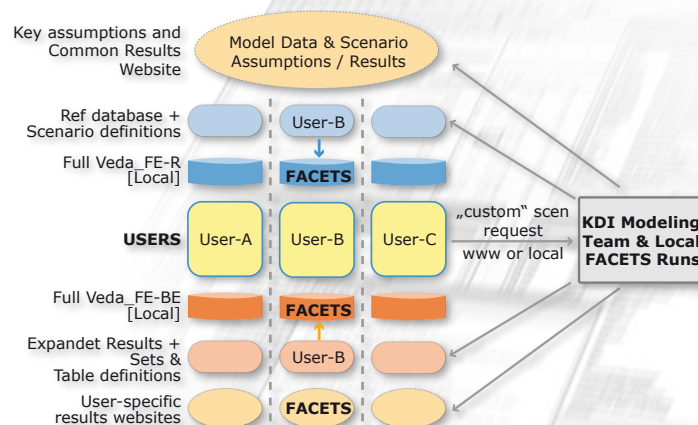

GAMS Integrated Developer Environment for editing, debugging, solving models, and viewing data.

FACETS - An evolving Framework for Analysis of Climate-Energy-Technology Solutions

FACETS is a highly regionalized technology-rich US national planning framework under development that:

● Maintains NEMS/IPM/other data regions, relying on advanced techniques for representing and managing trade for integration

● Comprehensively encompasses the entire energy system, with associated climate and local emissions

● Is geographically and sector "scalable", and

● Can be readily linked to economic models

The core model includes tools for assembling data, managing models, and communicating the relevance of results to foster better informed decision-making.

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