

# MARket ALlocation (MARKAL) Model

(International Energy Agency)

## Objectives

Integrates hydrogen production, delivery and vehicle components for cost-benefit analysis and policy analysis and determines a market equilibrium solution.

## Key Attributes & Strengths

Analysis is conducted in the context of *overall* U.S. energy supply and demand. The model incorporates learning curves and scale economies for cost analysis, and identifies major barriers to the market penetration of alternative vehicle technologies and fuels.

## Platform, Requirements & Availability

MARKAL is a linear optimization national economic model. It is available to the public but is large. The model is deployed in 50 countries and 110 institutions.

