

# Impact of ETL on the Future Role of Nuclear Fusion

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Within the Socio-Economic Research on Fusion (SERF) Programme, the potential role of fusion power is being studied. Using the TIMES model generator a global single-regional energy system model including Endogenous Technological Learning has been developed by the ITP of the TU-Graz in co-operation with the IPP Garching. Using this model, the impact of endogenous treated technological progress on the role of fusion power in various scenarios have been studied and discussed, and results will presented. The work has been carried out within the EFDA framework in close cooperation with the IPP Garching.

**Keywords:**

Nuclear Fusion, EFDA, SERF, MARKAL, TIMES, energy model, Endogenous Technological Learning