

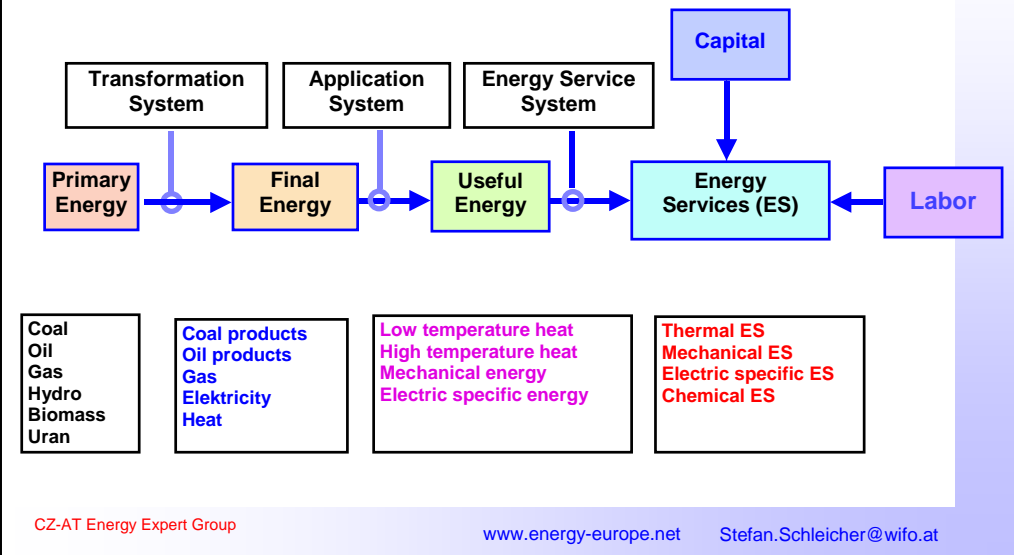
Structure of energy systems A comparative analysis

Frantisek Janouch
Jirina Jilkova
Stefan Schleicher
Christian Steinreiber

Motivation

- **Comparative analysis of energy systems**
 - **Structure**
 - Composition of demand and supply
 - **Drivers**
 - Relation to economic activity
 - **Key parameters**
 - Elasticities and intensities
- **Preparation for structural modeling analysis**
 - **Energy services**
 - **Final energy consumption**
 - **Primary energy supply**

Model structure

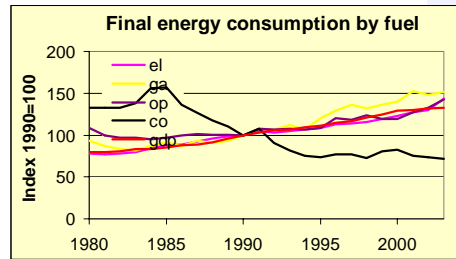
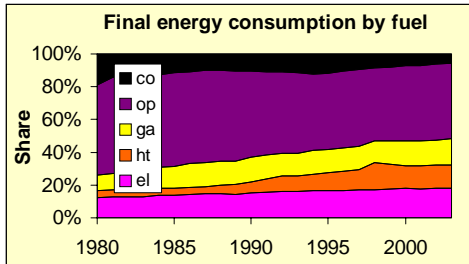


Data base

- **OECD data from 22 countries**
 - **Energy Balances**
 - **CO2 Emissions**
 - **Economic Outlook**
- **Organized in XLS**
- **Standardized fact sheets for each country**

Final energy consumption by fuel

Austria



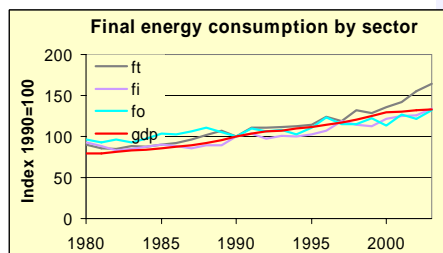
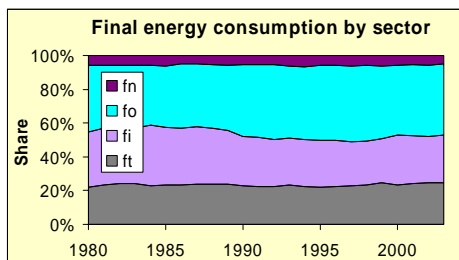
CZ-AT Energy Expert Group

www.energy-europe.net

Stefan.Schleicher@wifo.at

Final energy consumption by sector

Austria

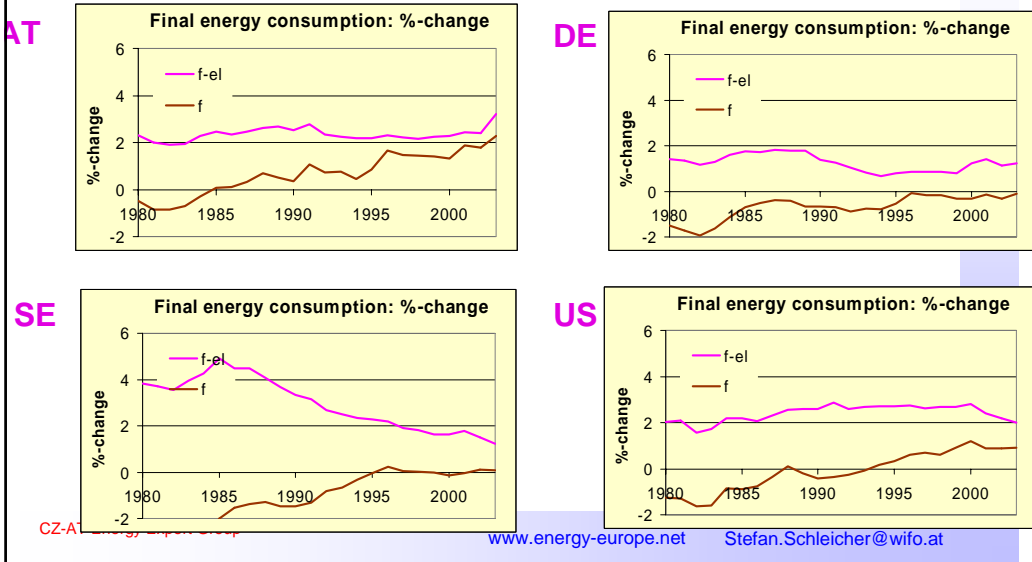


CZ-AT Energy Expert Group

www.energy-europe.net

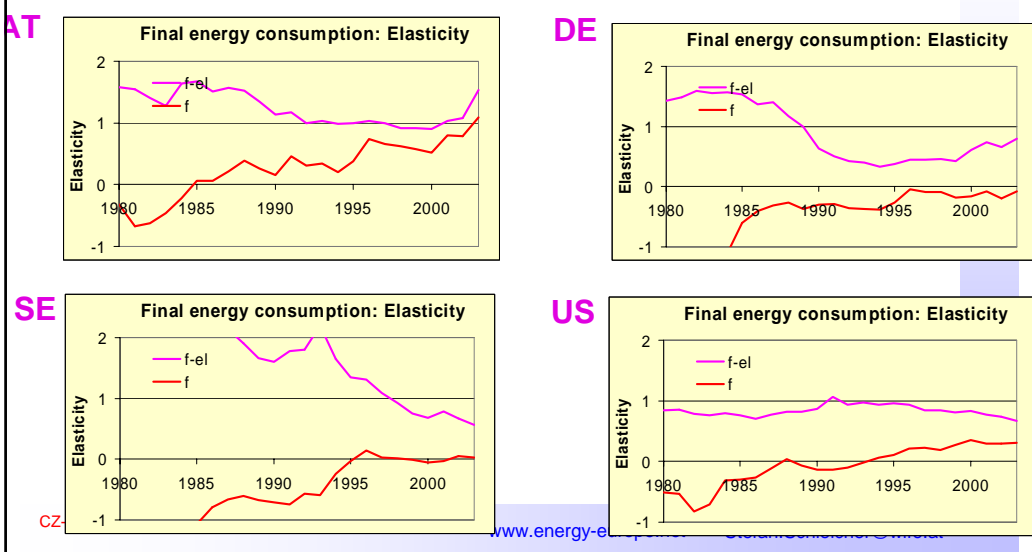
Stefan.Schleicher@wifo.at

FEC: %-change



CZ-A www.energy-europe.net Stefan.Schleicher@wifo.at

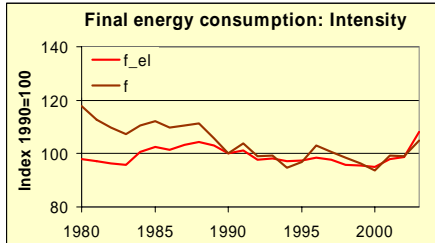
FEC: GDP-Elasticity



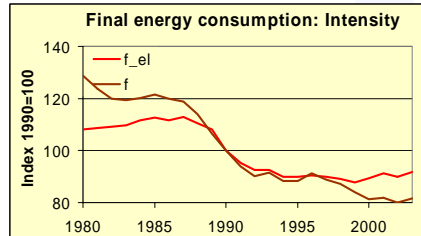
CZ-A www.energy-europe.net Stefan.Schleicher@wifo.at

FEC: GDP-Intensity

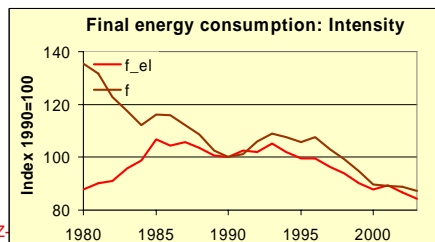
AT



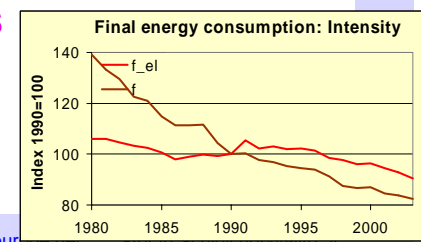
DE



SE



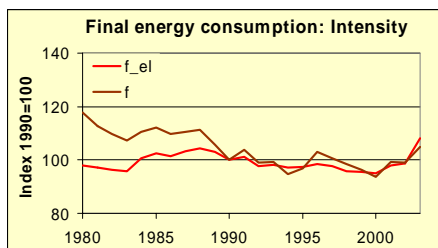
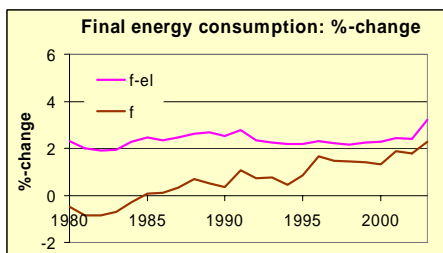
US



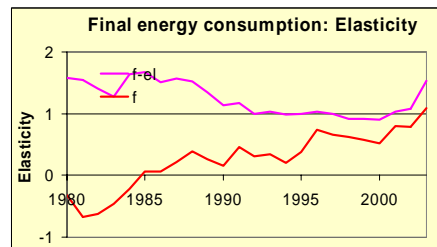
CZ

www.energy-europe.net Stefan.Schleicher@wifo.at

Austria

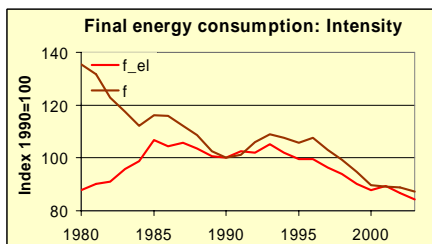
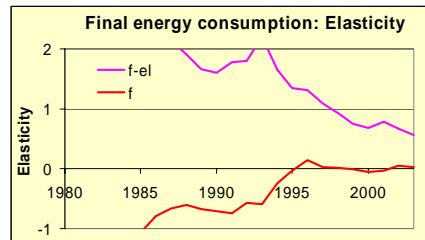
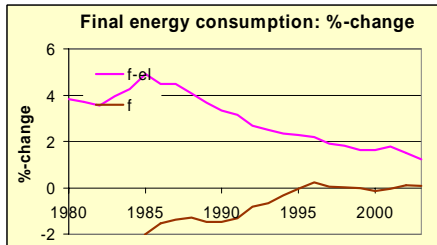


CZ-AT Energy Expert Group



www.energy-europe.net Stefan.Schleicher@wifo.at

Sweden

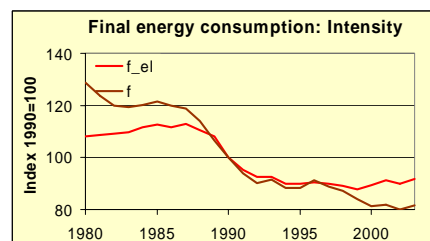
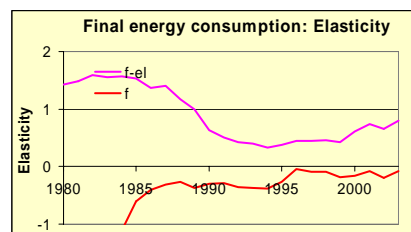
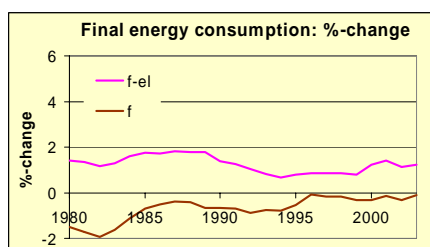


CZ-AT Energy Expert Group

www.energy-europe.net

Stefan.Schleicher@wifo.at

Germany

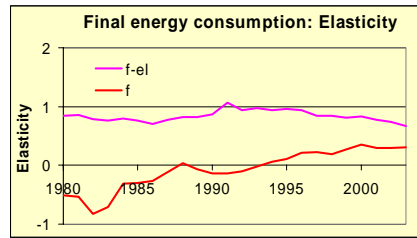
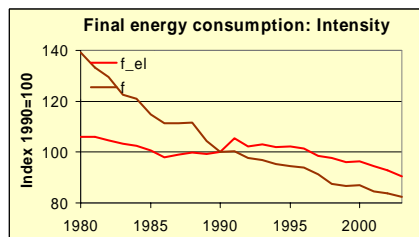
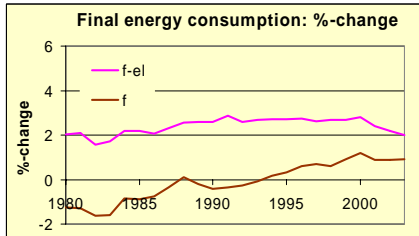


CZ-AT Energy Expert Group

www.energy-europe.net

Stefan.Schleicher@wifo.at

USA



CZ-AT Energy Expert Group

www.energy-europe.net

Stefan.Schleicher@wifo.at