

# Rising energy prices – impact on households available income and energy consumption from the Czech and Austrian point-of-view (in the European context)

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2) Czech Technical University in Prague, Czech Republic  
3) ... Prague, Czech Republic

## METHOD OF APPROACH

For every feature described in the  
following four steps conducted:

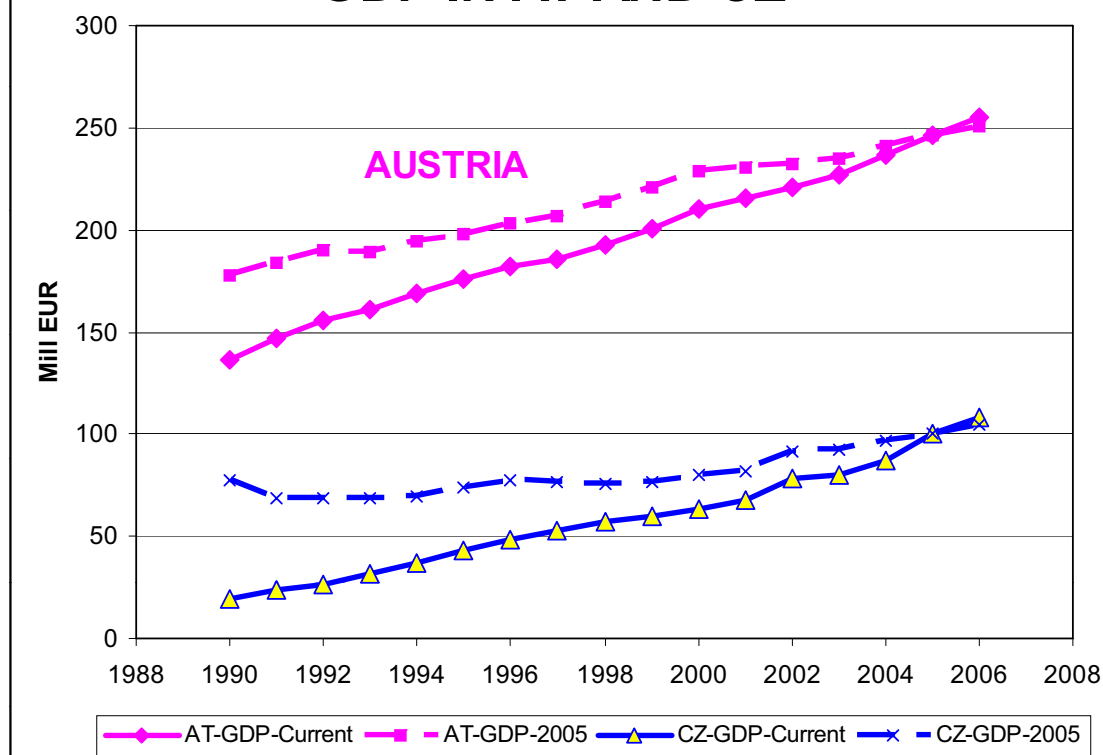
- A. Documentation for CZ
- B. Documentation for AT
- C. Comparison of CZ and AT
- D. Discussion of similarities  
/differences

To analyze the impacts of recent energy price increases on households' available income

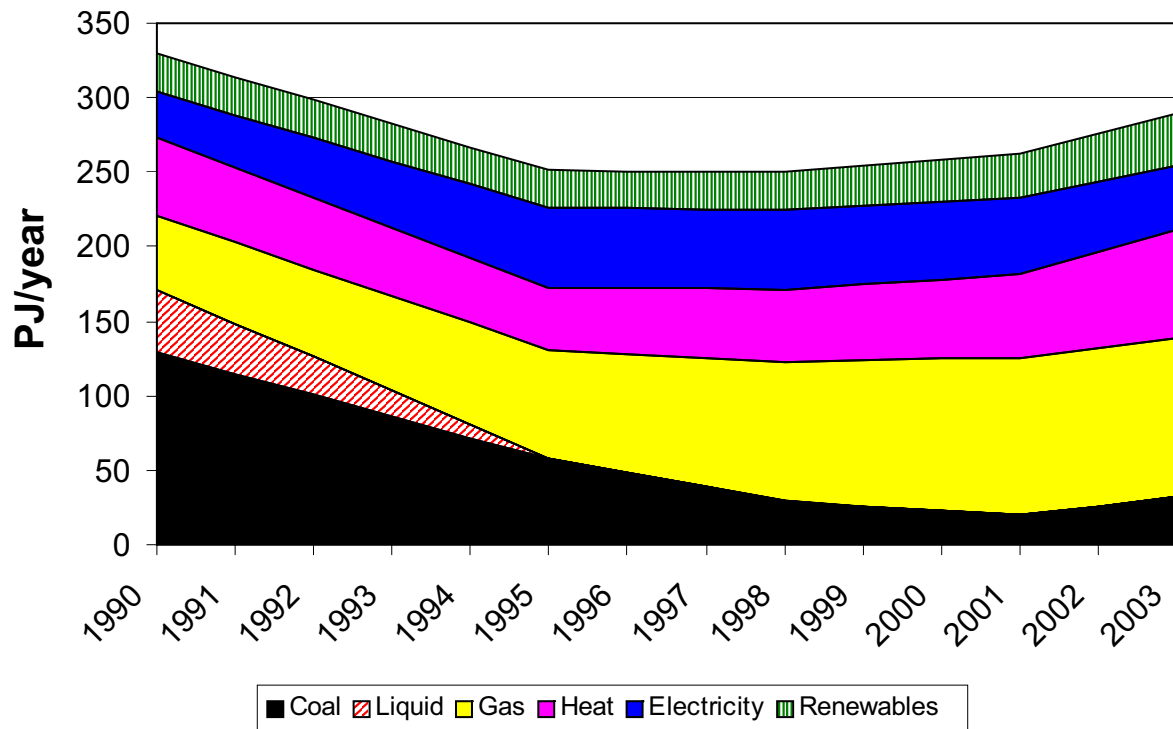
- in the Czech Republic (and some other selected Eastern European countries) in comparison
- to Austria (and Germany).

To discuss, which relieves could be brought about by forcing energy efficiency measures (e.g. thermal insulation of buildings

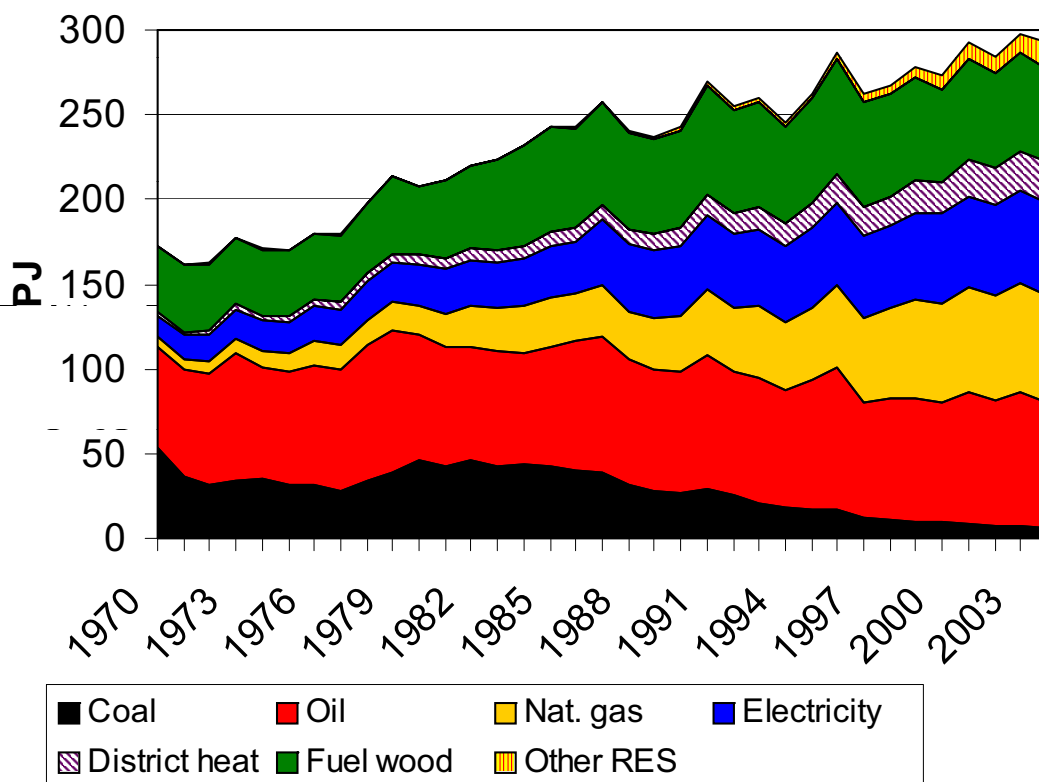
## GDP IN AT AND CZ



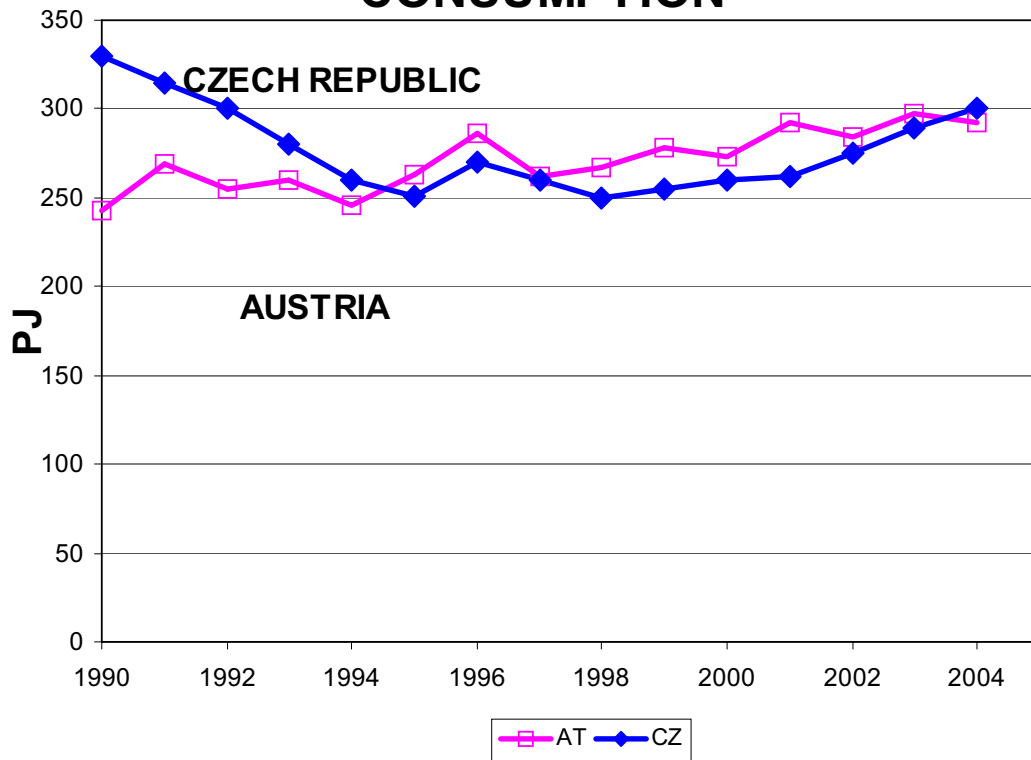
### Final energy consumption CR 1990-2003



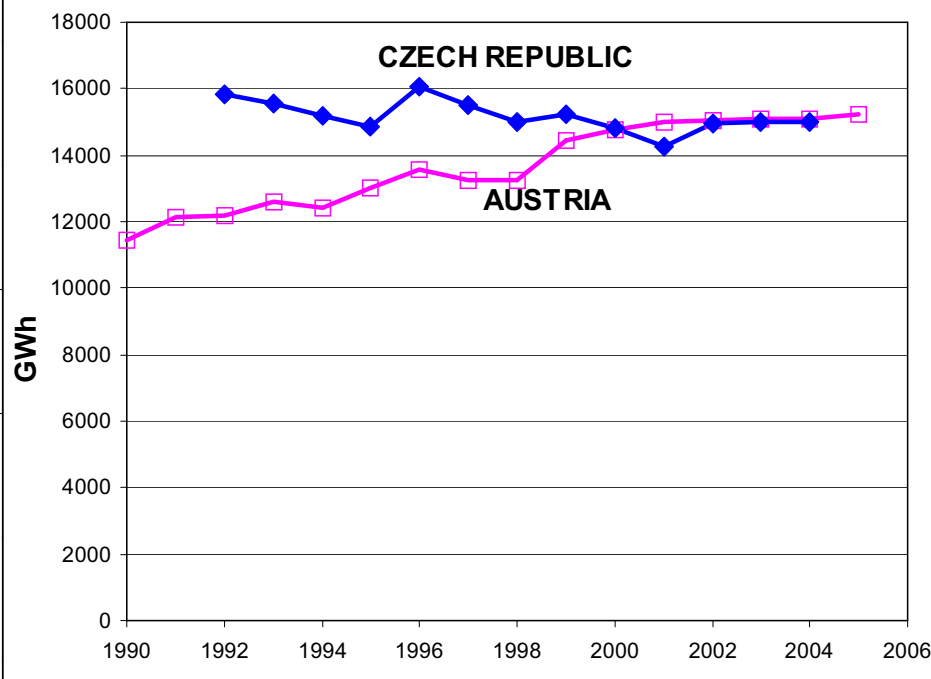
### ENERGY CONSUMPTION OF PRIVATE HOUSEHOLDS IN AUSTRIA



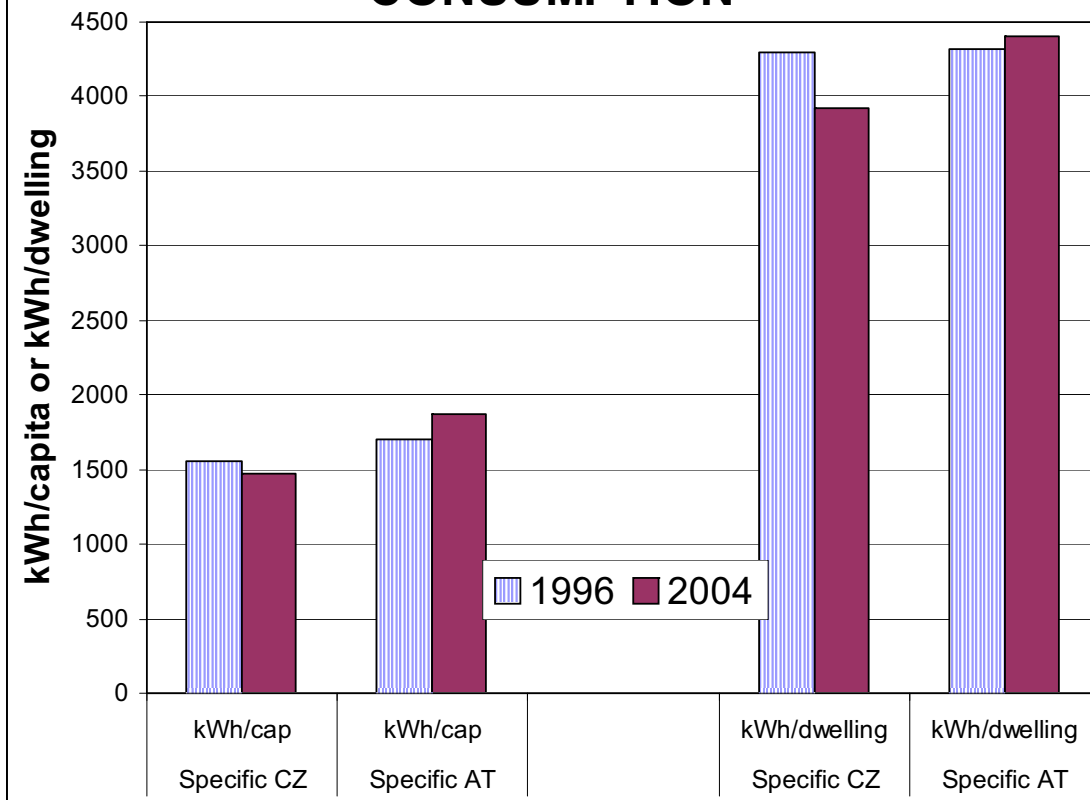
## RESIDENTIAL FINAL ENERGY CONSUMPTION



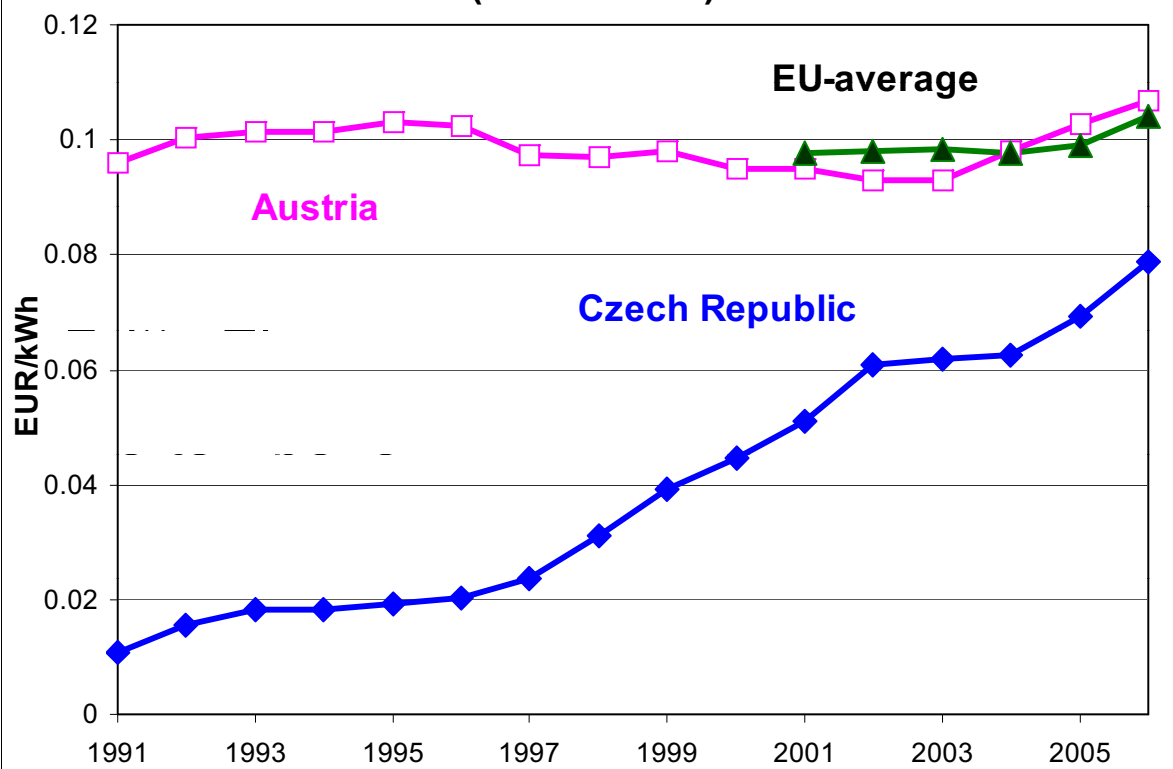
## TOTAL RESIDENTIAL ELECTRICITY CONSUMPTION



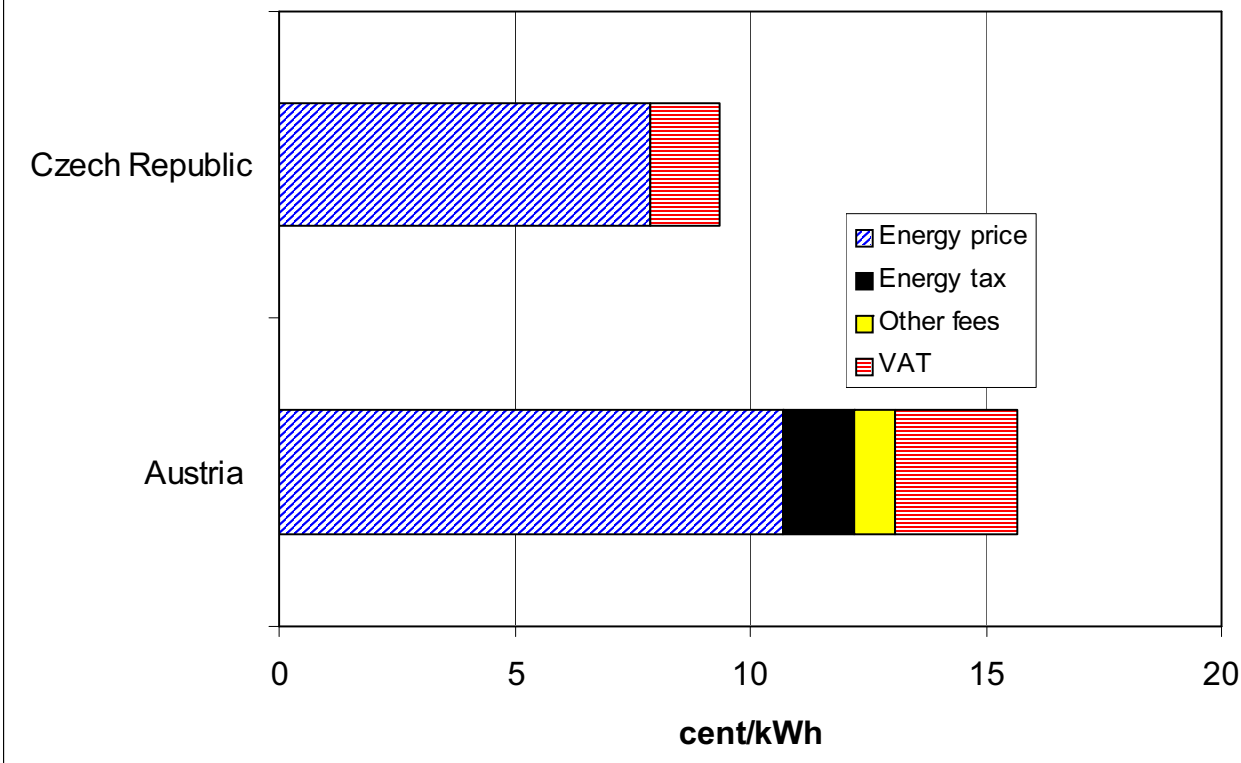
## SPECIFIC ELECTRICITY CONSUMPTION



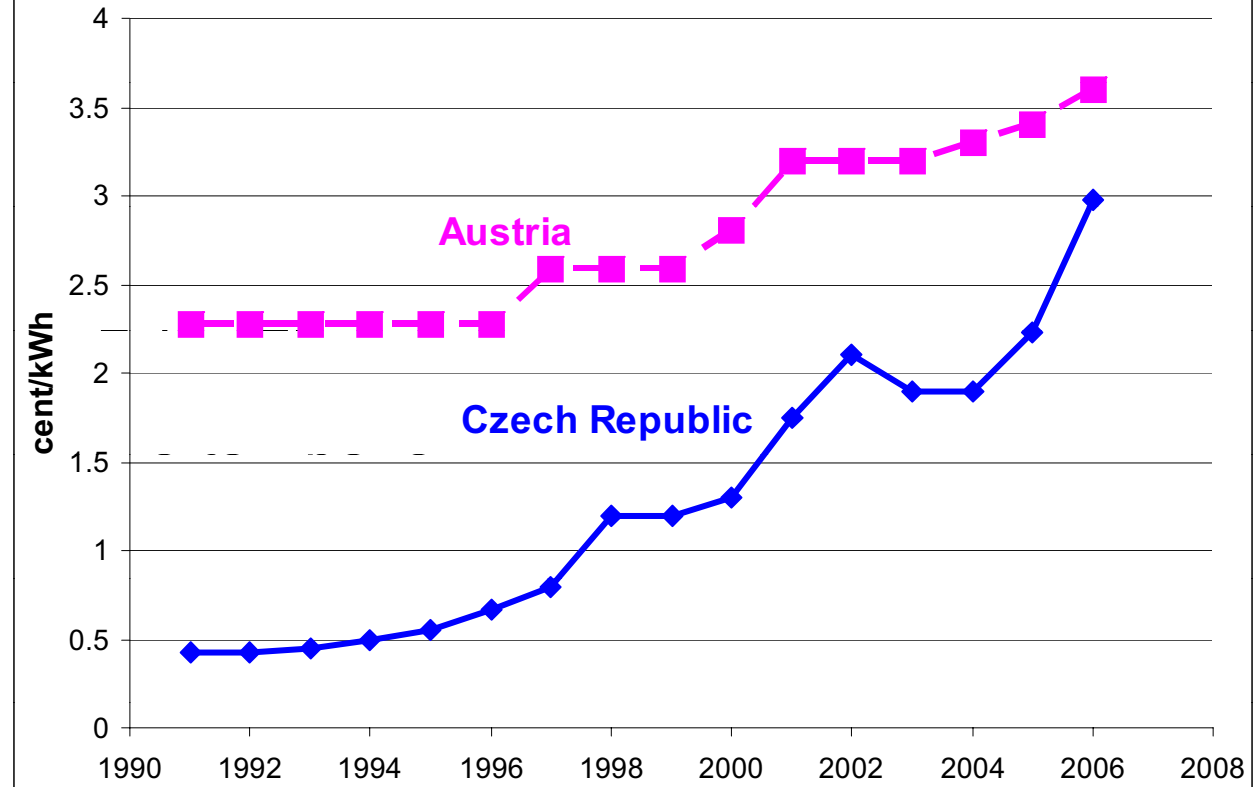
## Current household electricity prices (excl. Taxes)



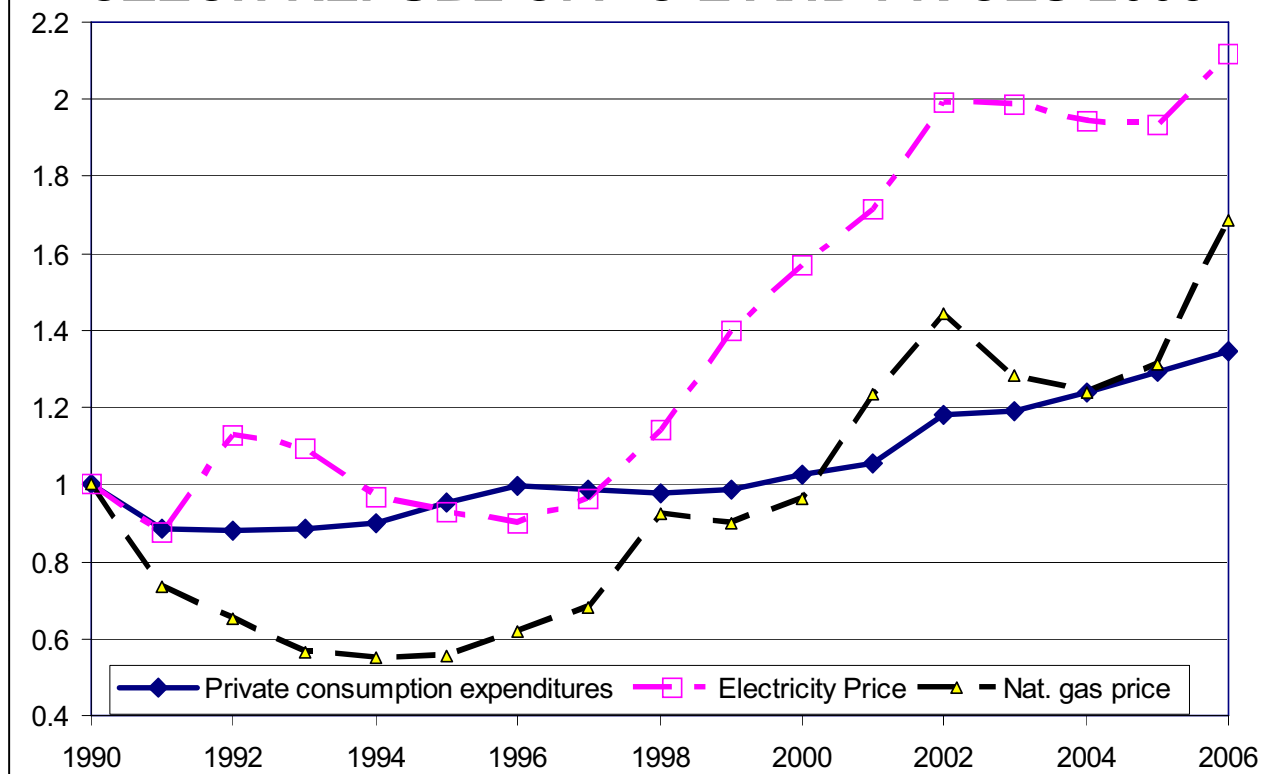
### Electricity prices' components 2005



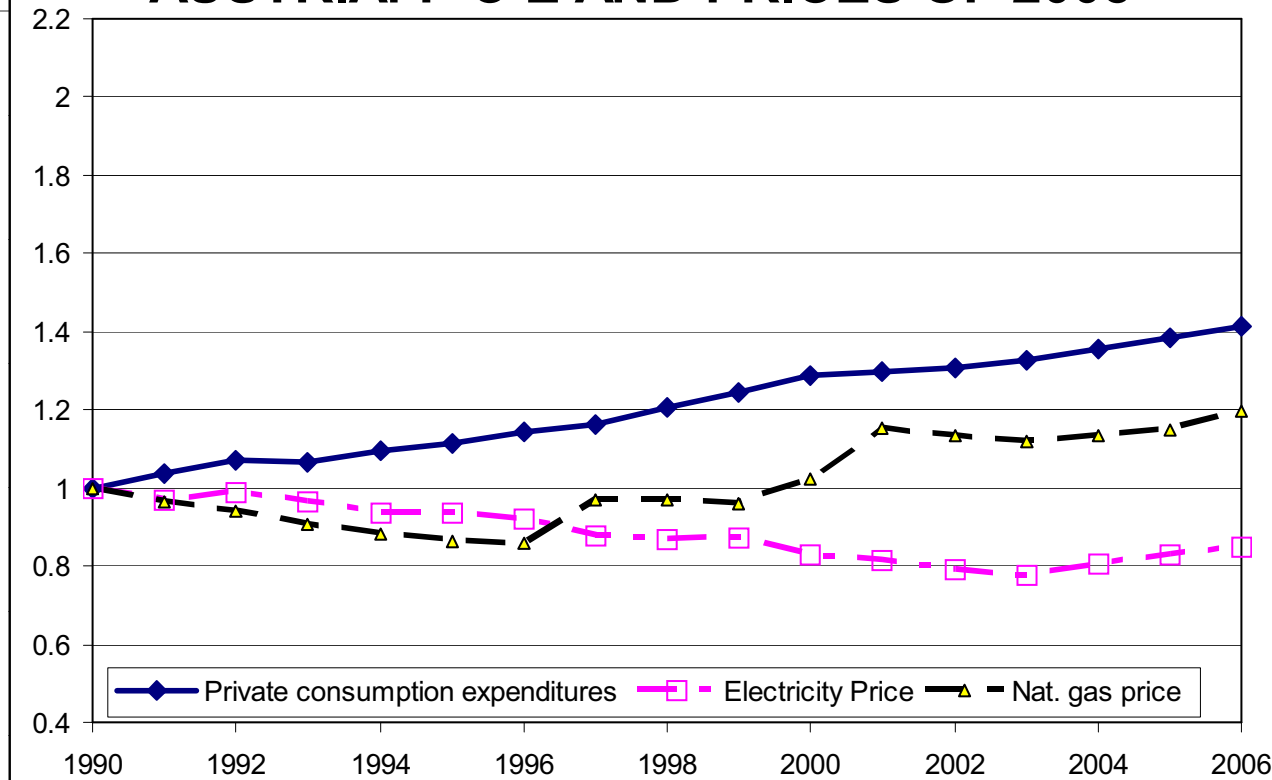
### Current natural gas prices (excl. Taxes)

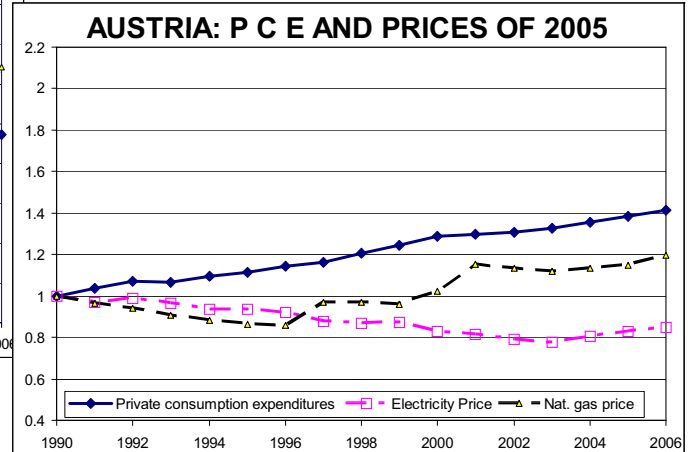
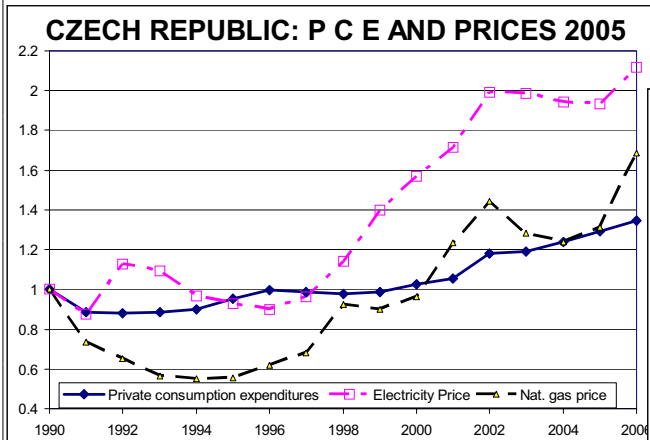


### CZECH REPUBLIC: P C E AND PRICES 2005



### AUSTRIA: P C E AND PRICES OF 2005



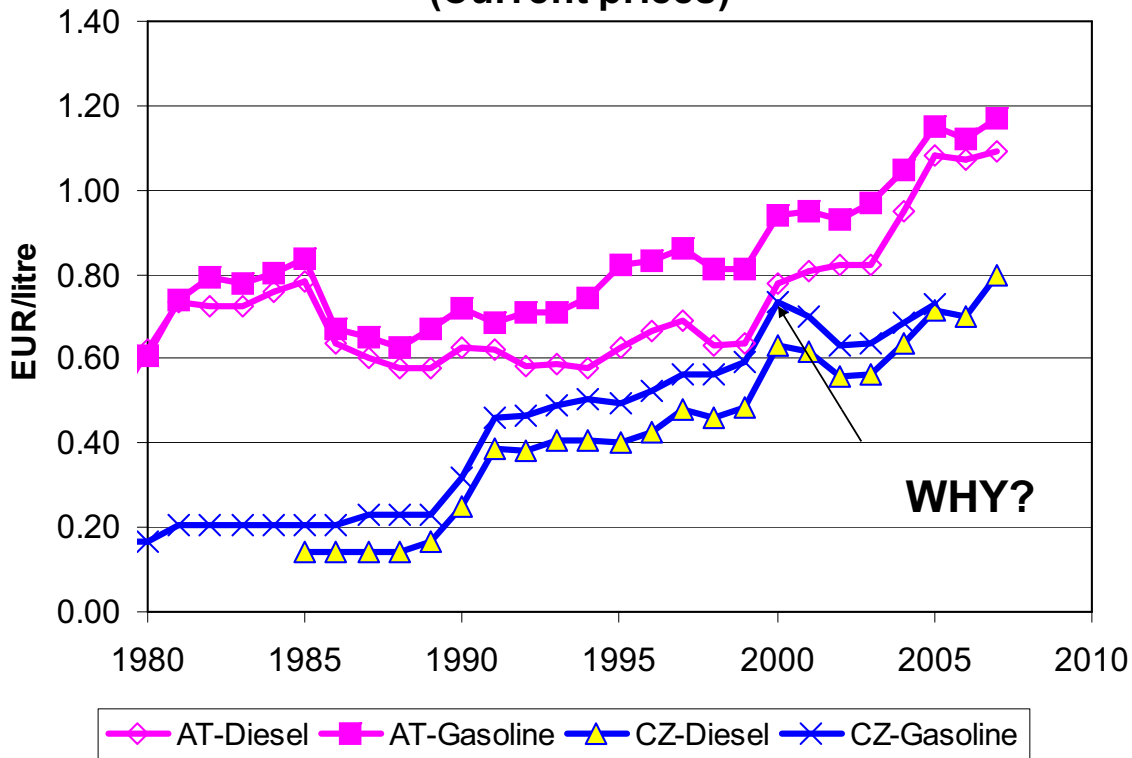


**Rising energy prices –  
impact on households available  
income and energy consumption  
from the Czech and Austrian  
point-of-view  
(update transport figures)**

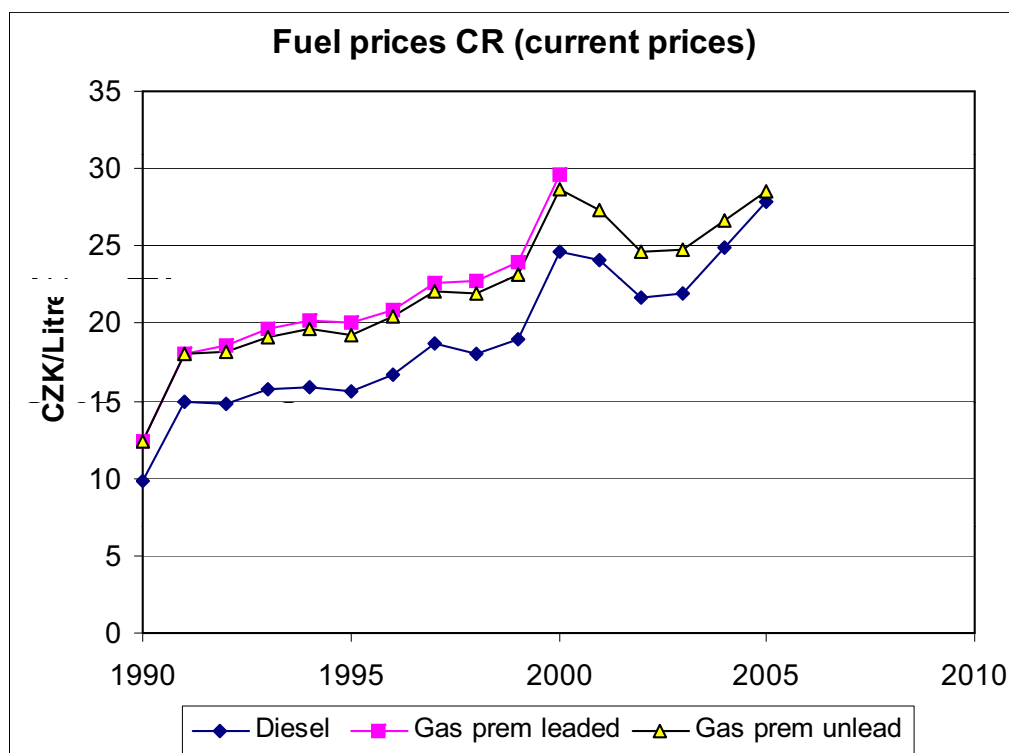
**Dr. Amela Ajanovic <sup>1)</sup>**

<sup>1)</sup> EEG, Vienna University of Technology, Austria

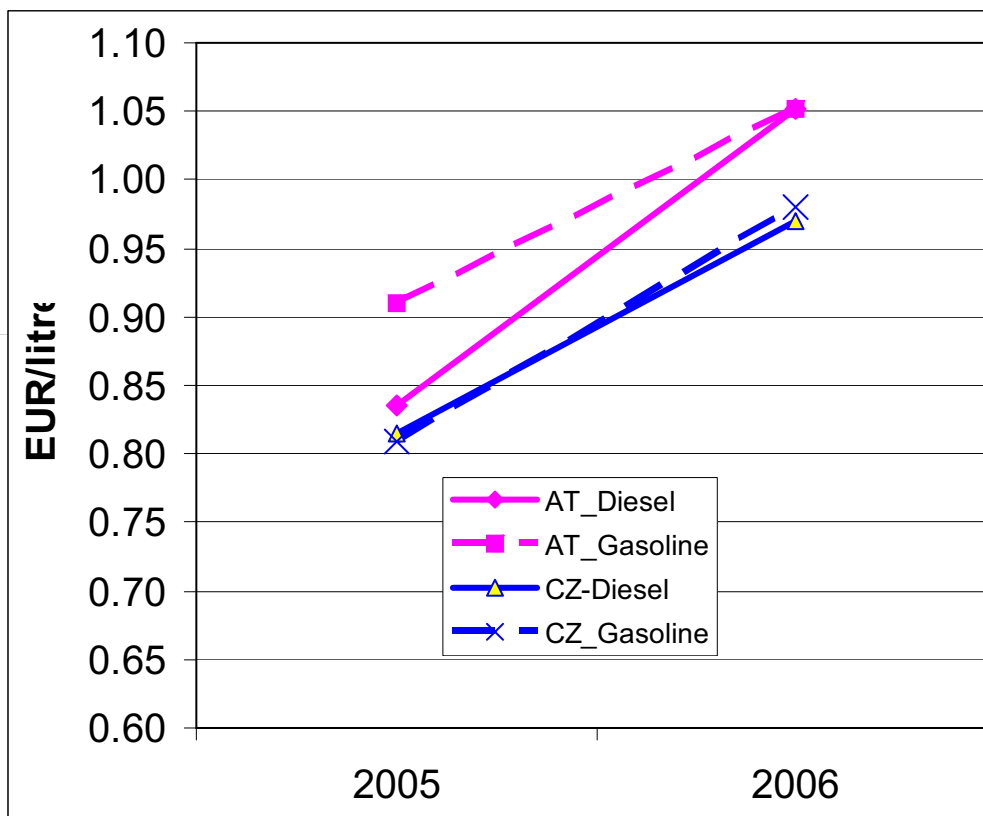
### Households Diesel and Gasoline prices (Current prices)



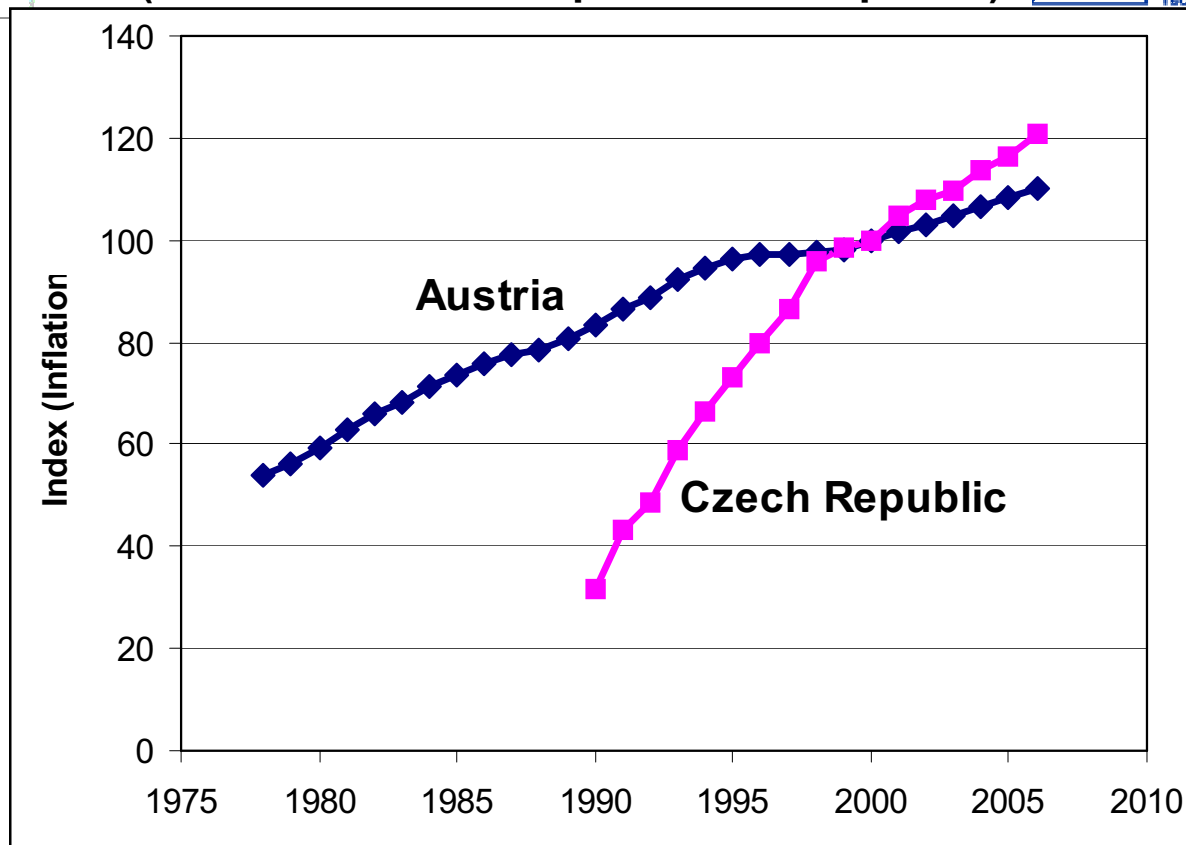
## Transport prices CR (in current CZK)



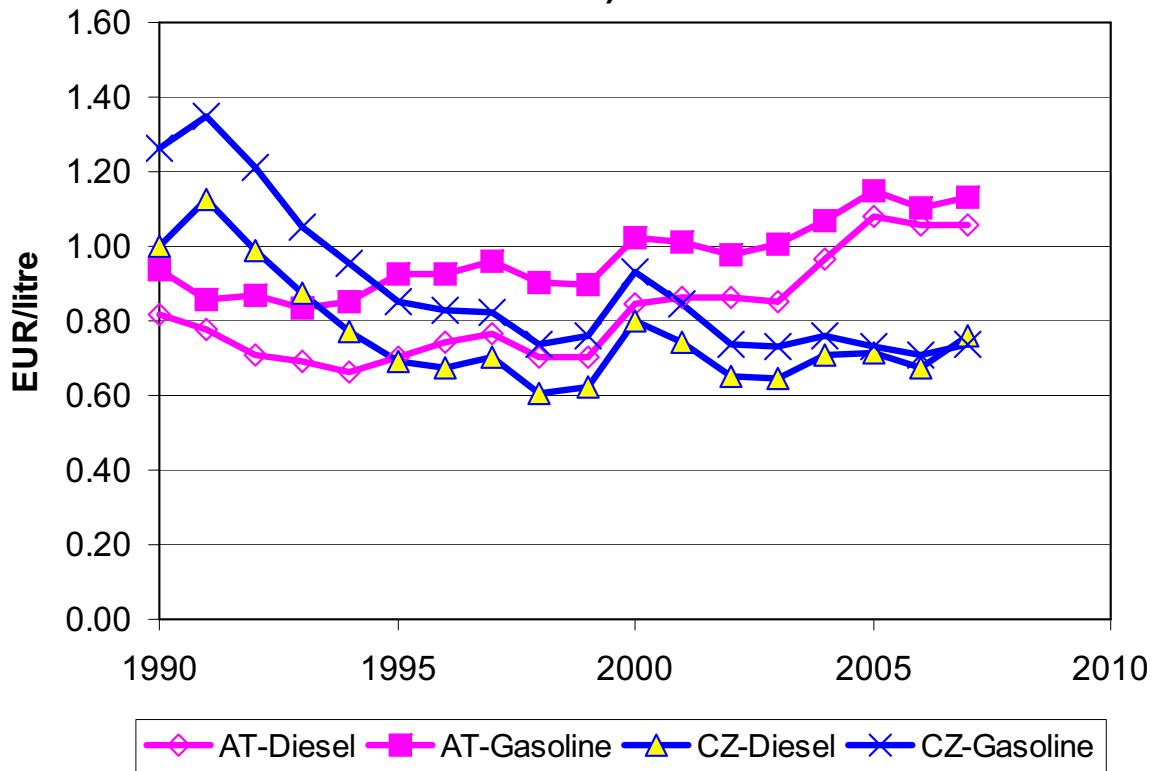
# Transport prices 2005/2006



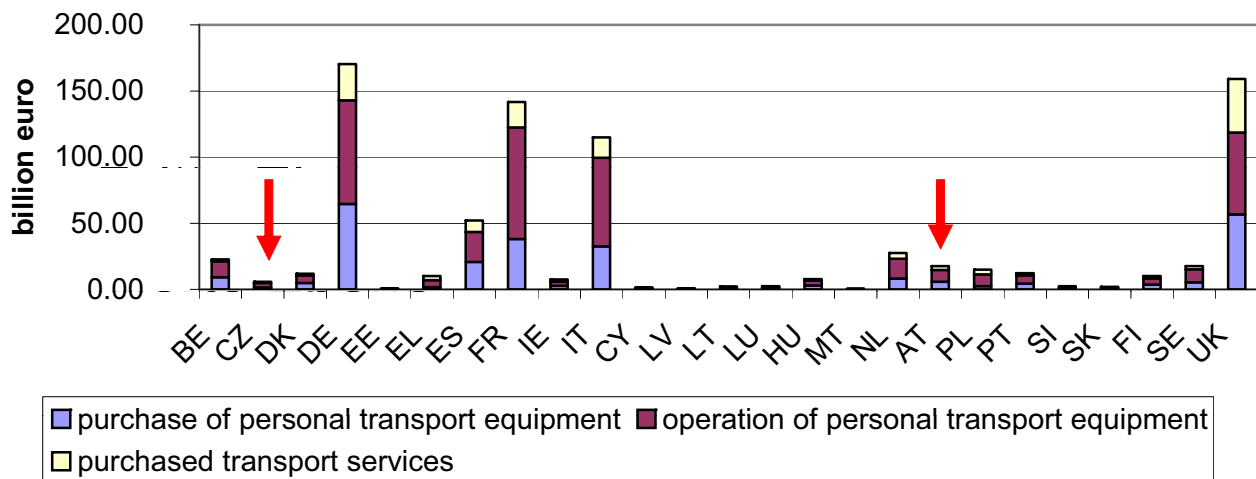
# Inflation (Conversion current prices to real prices)



### Households Diesel and Gasoline prices (of 2005)

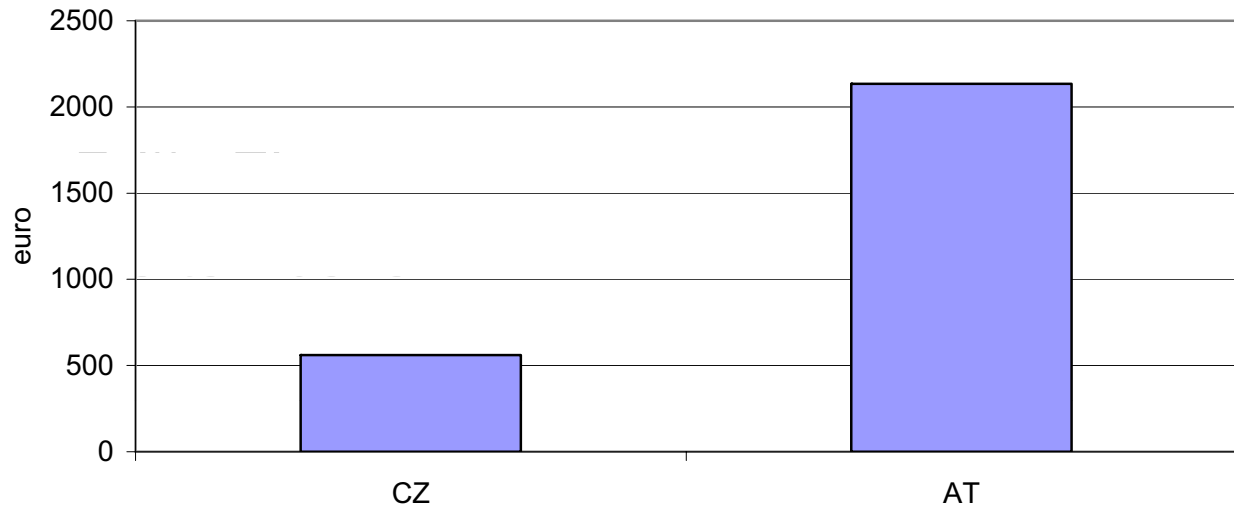


### Final consumption of households for transport by type of expenditure 2005



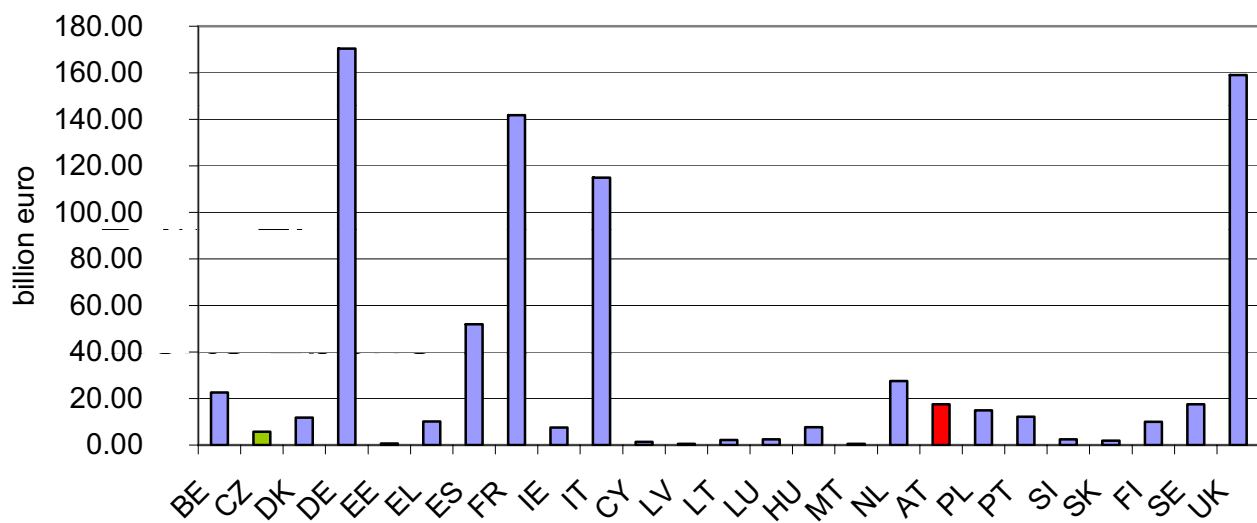
Source: EUROSTAT (2007)

Expenditure per head on transport



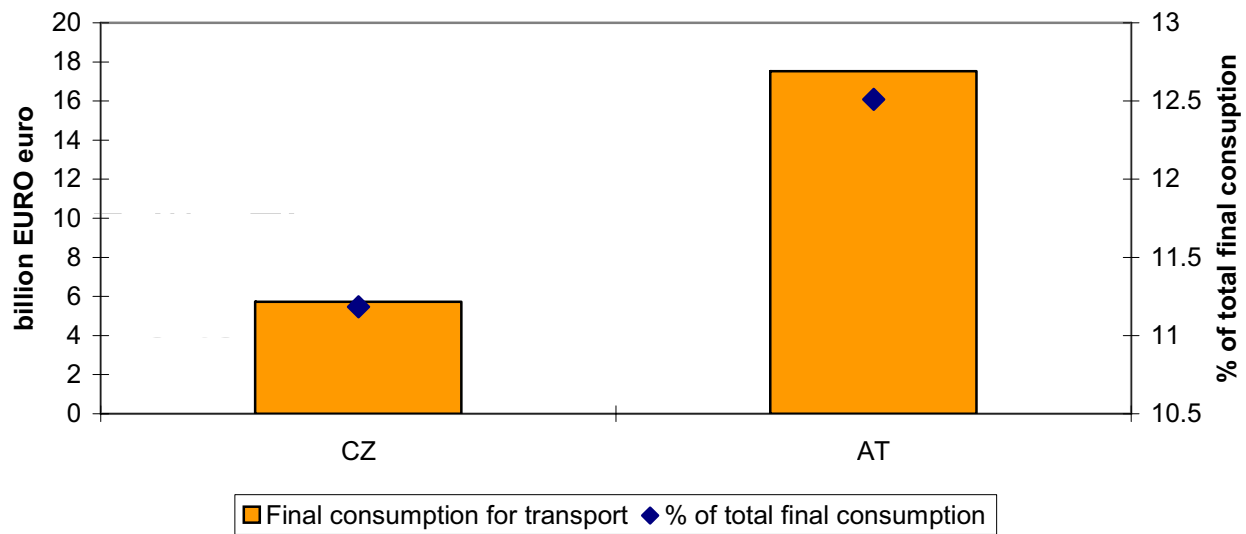
Source: EUROSTAT (2007)

Final consumption for transport



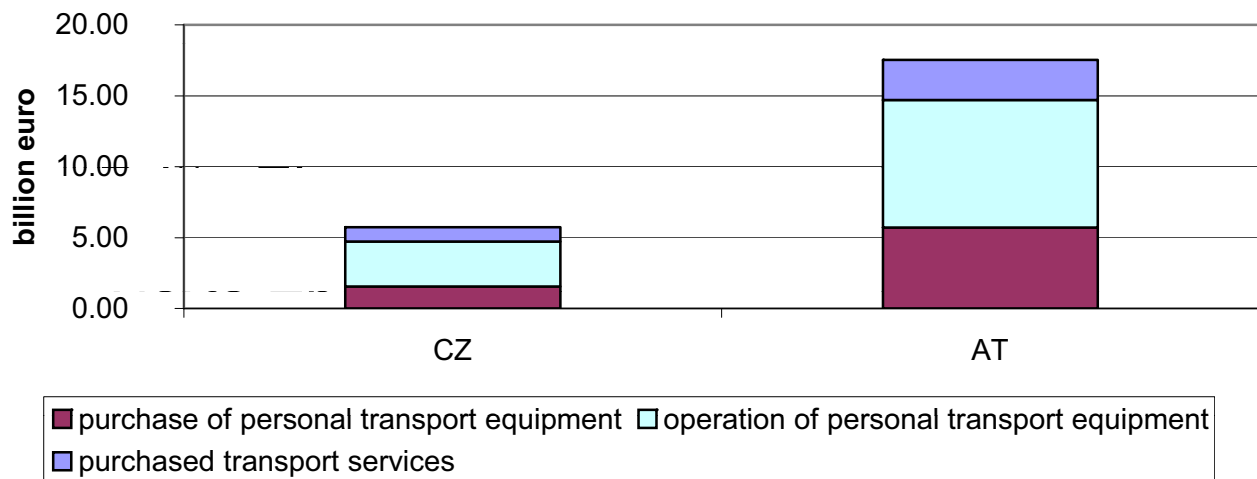
Source: EUROSTAT (2007)

### Final consumption of households for transport



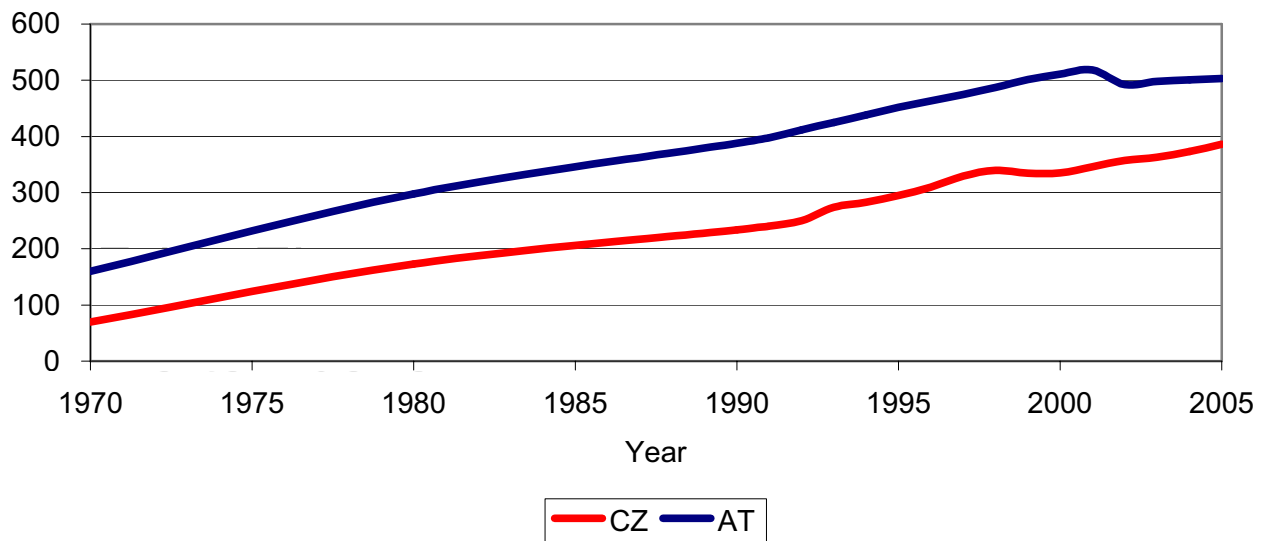
Source: EUROSTAT (2007)

### Final consumption of households for transport by type of expenditure 2005



Source: EUROSTAT (2007)

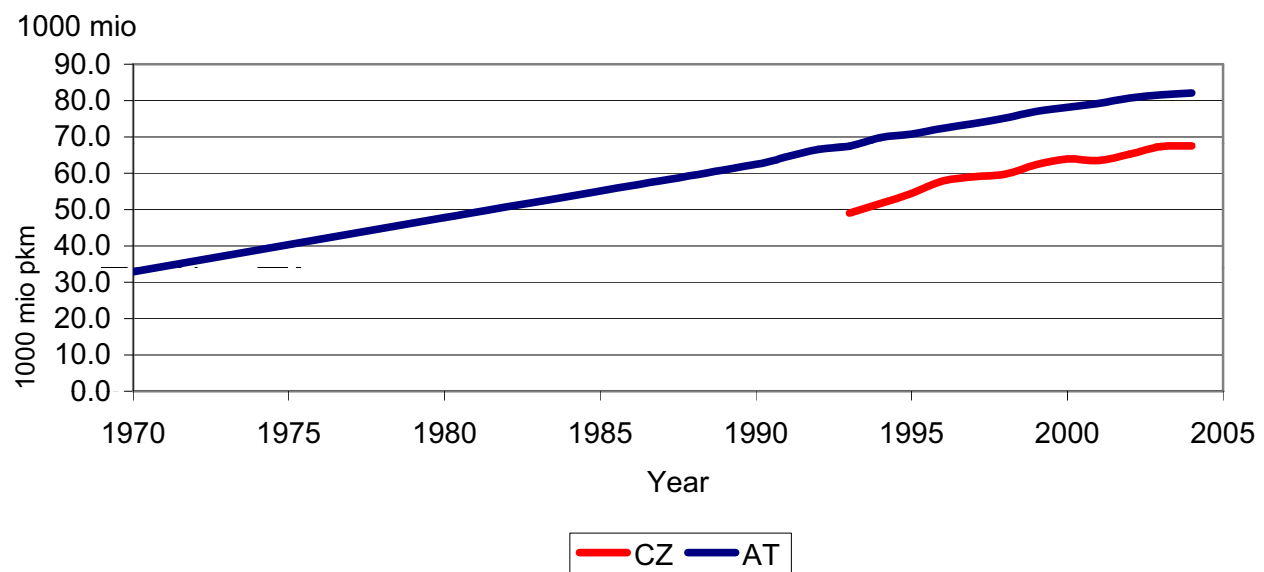
Number of passenger cars per 1000 inhabitants



Source: EUROSTAT (2007)

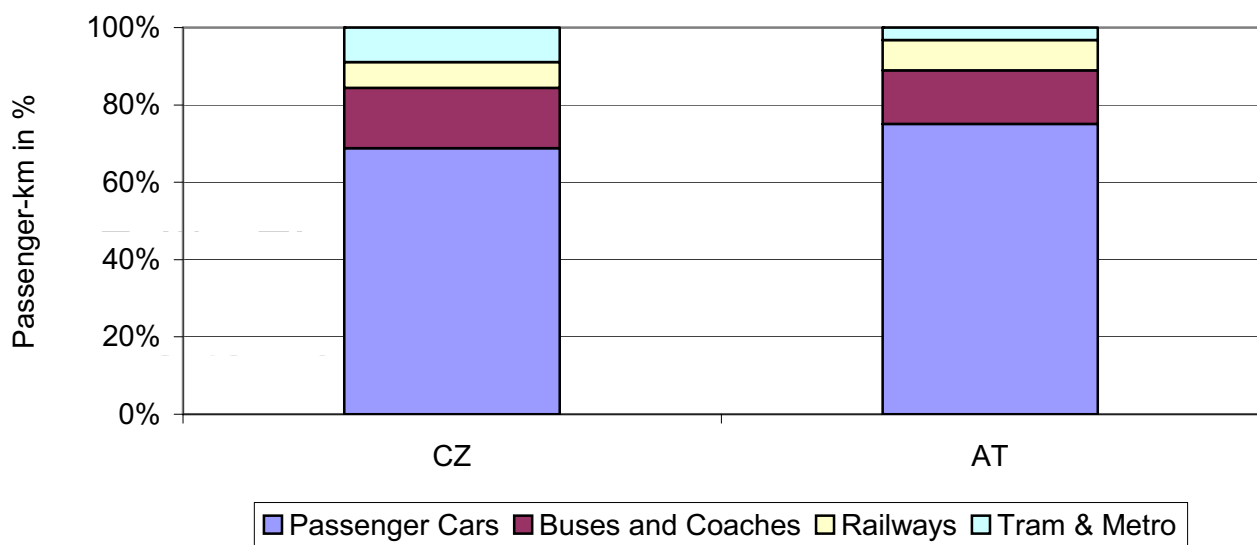
# km traveled

Passenger cars



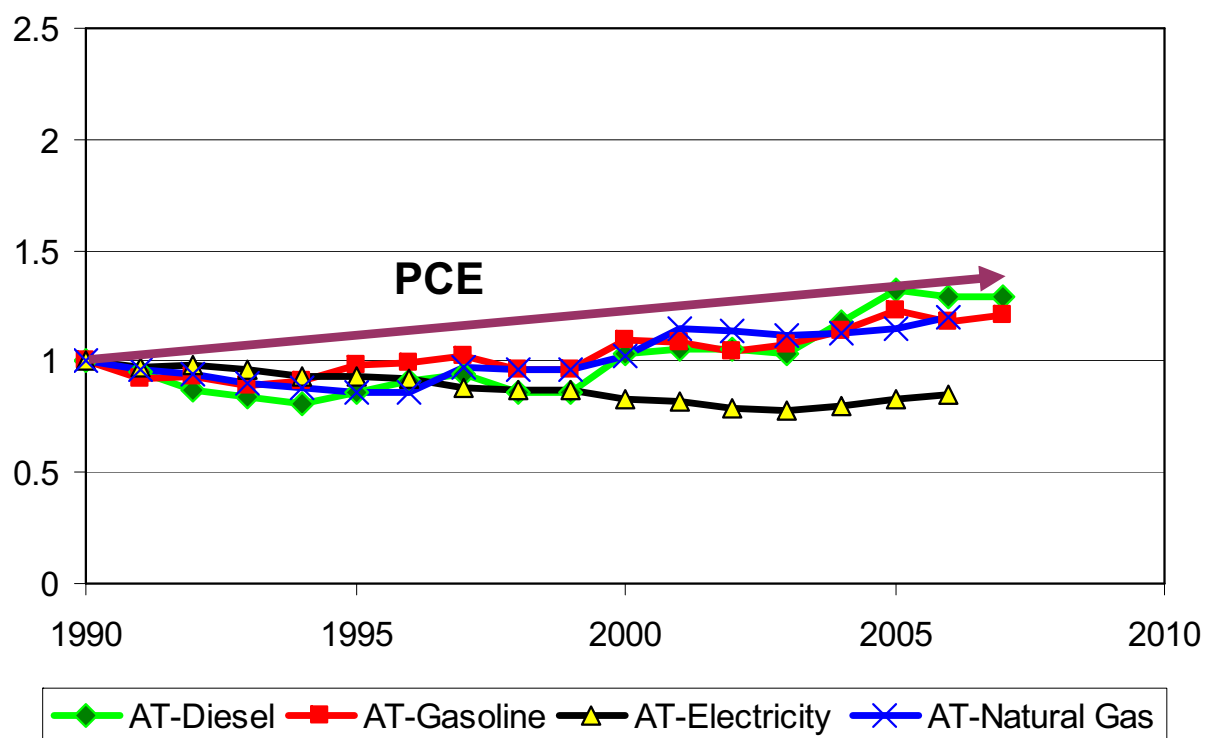
Source: EUROSTAT (2007)

Passenger transport 2004

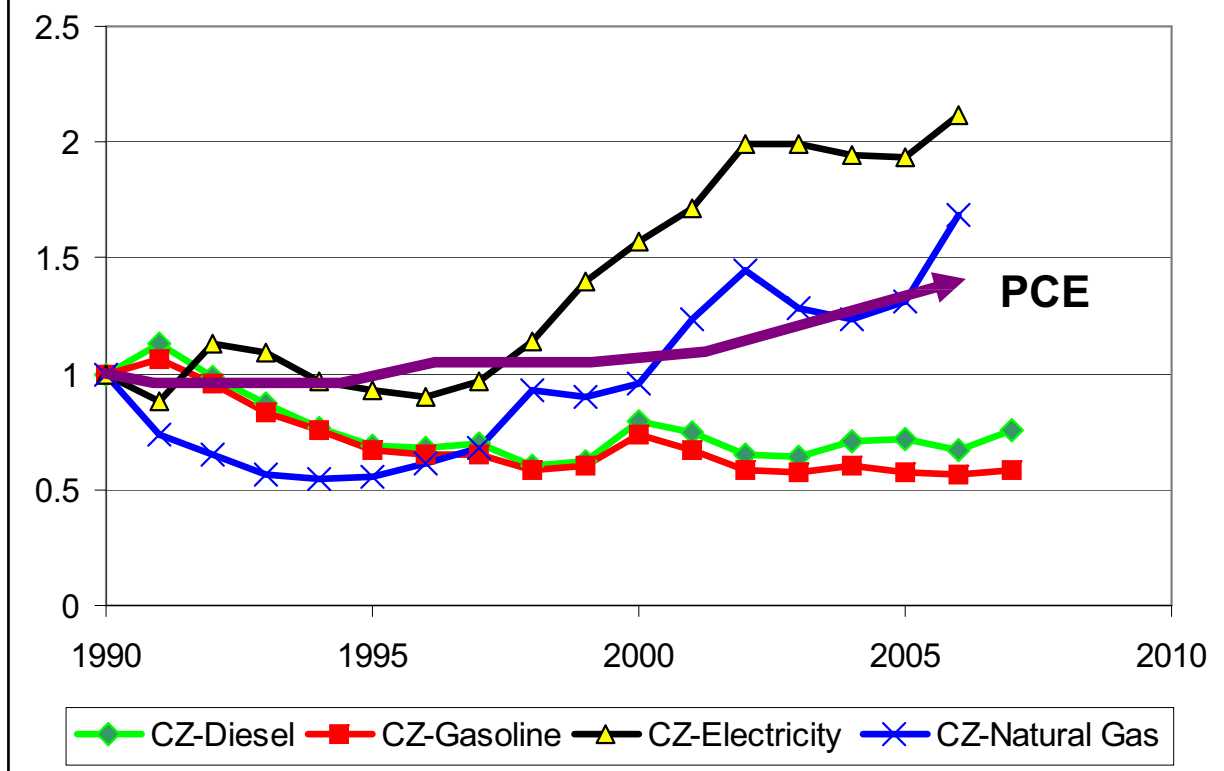


Source: EUROSTAT (2007)

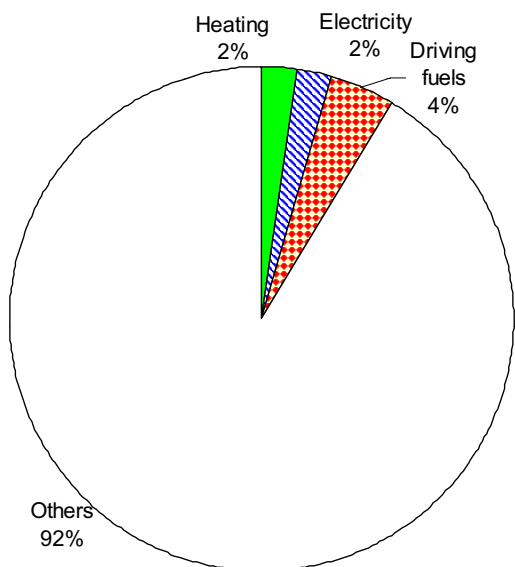
ENERGY PRICES AUSTRIA (OF 2005)



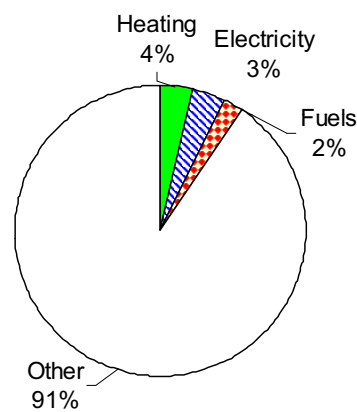
### ENERGY PRICES CZECH REPUBLIC (OF 2005)



### Households expenditures 1995



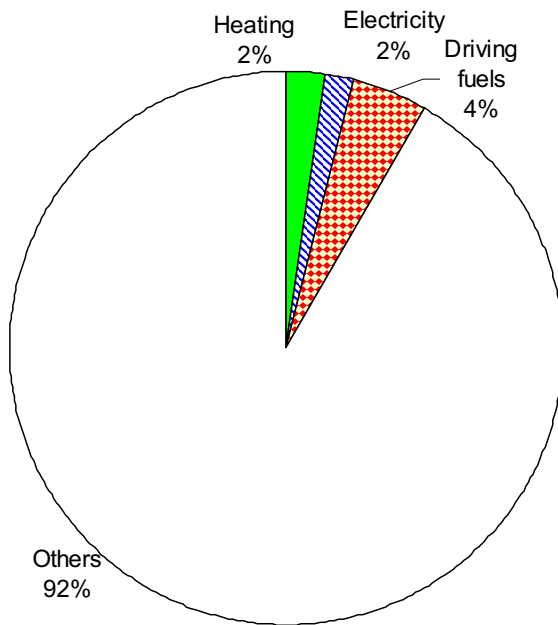
Total: 20382 EUR/yr



Total: 3348 EUR/yr

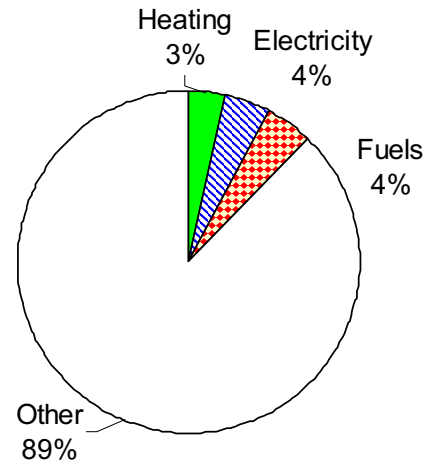
# Households expenditures 2005

AUSTRIA



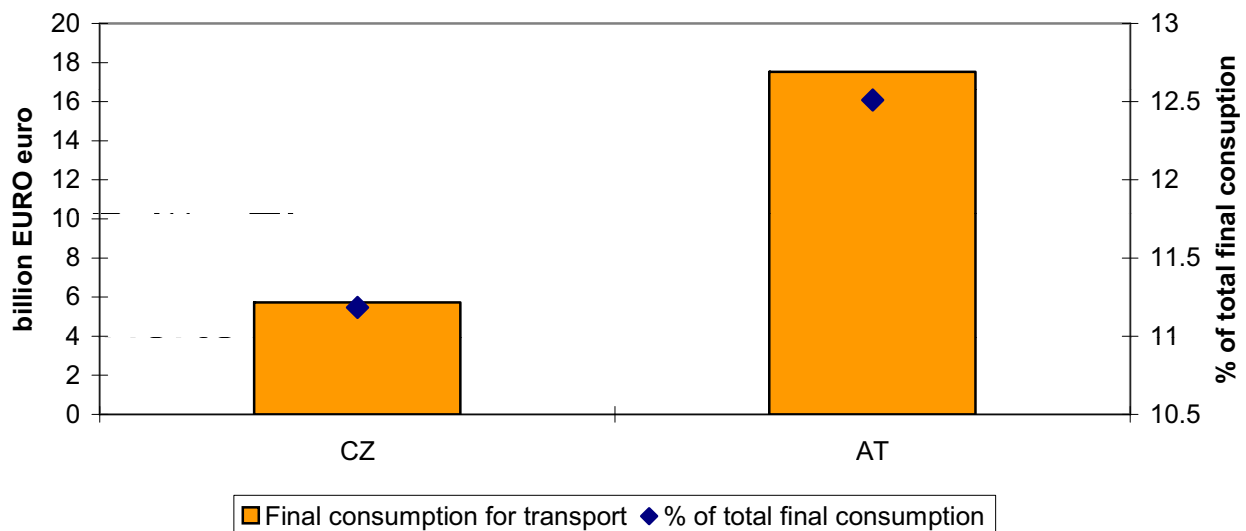
Total: 29500 EUR/yr

CZECH REPUBLIC



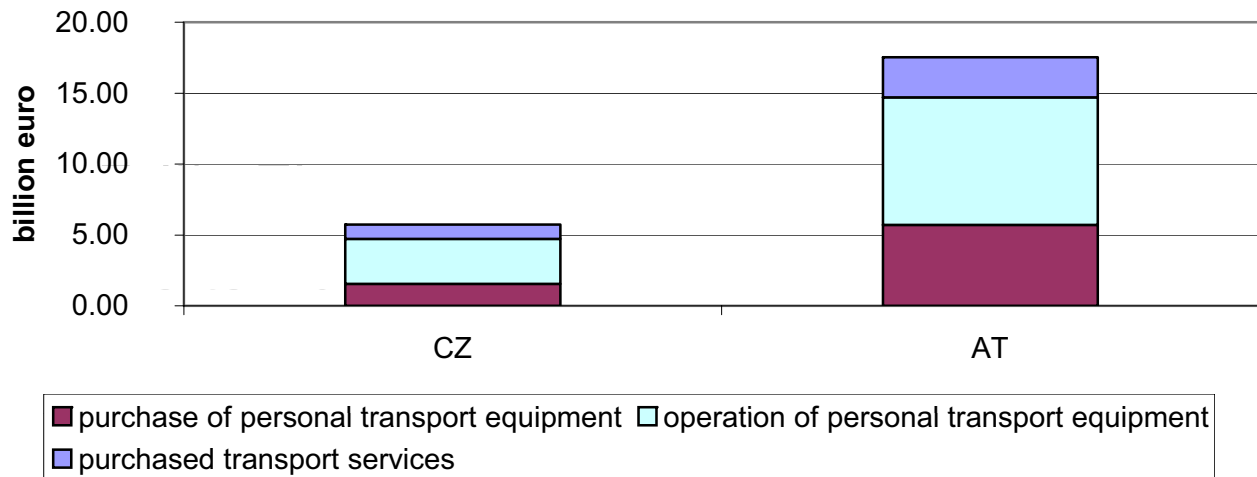
Total: 8355 EUR/yr

Final consumption of households for transport



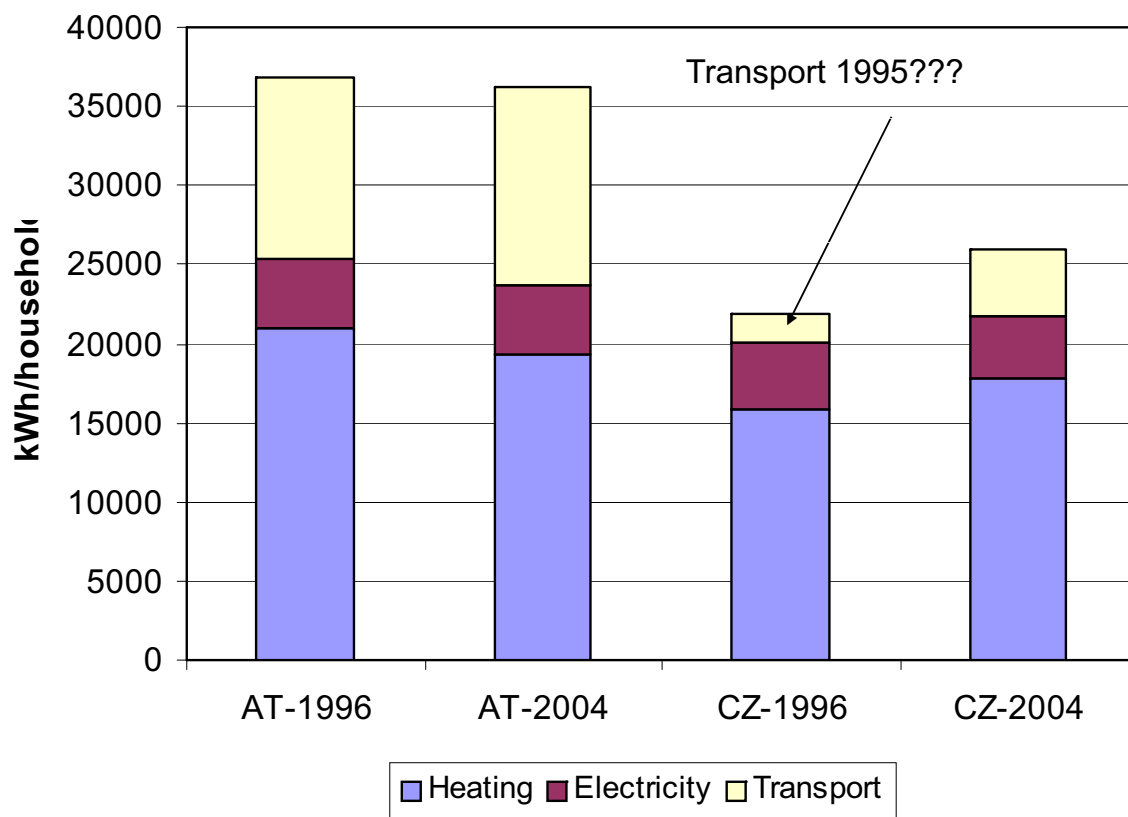
Source: EUROSTAT (2007)

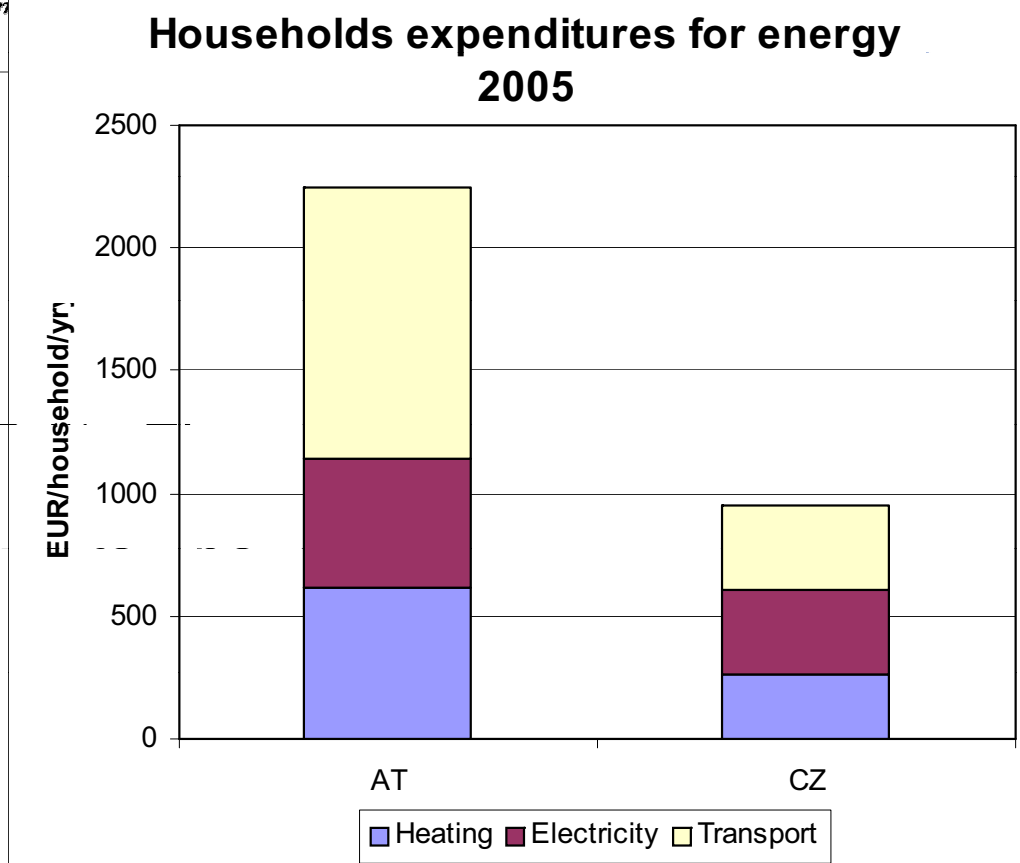
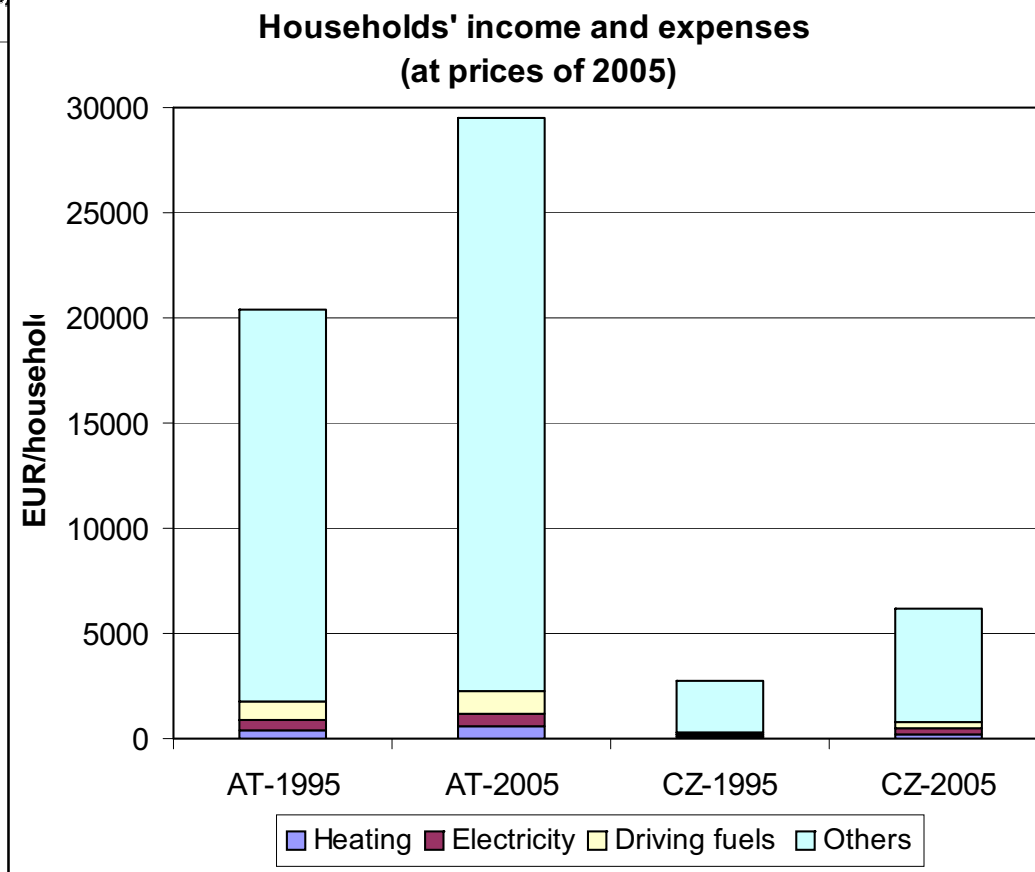
### Final consumption of households for transport by type of expenditure 2005



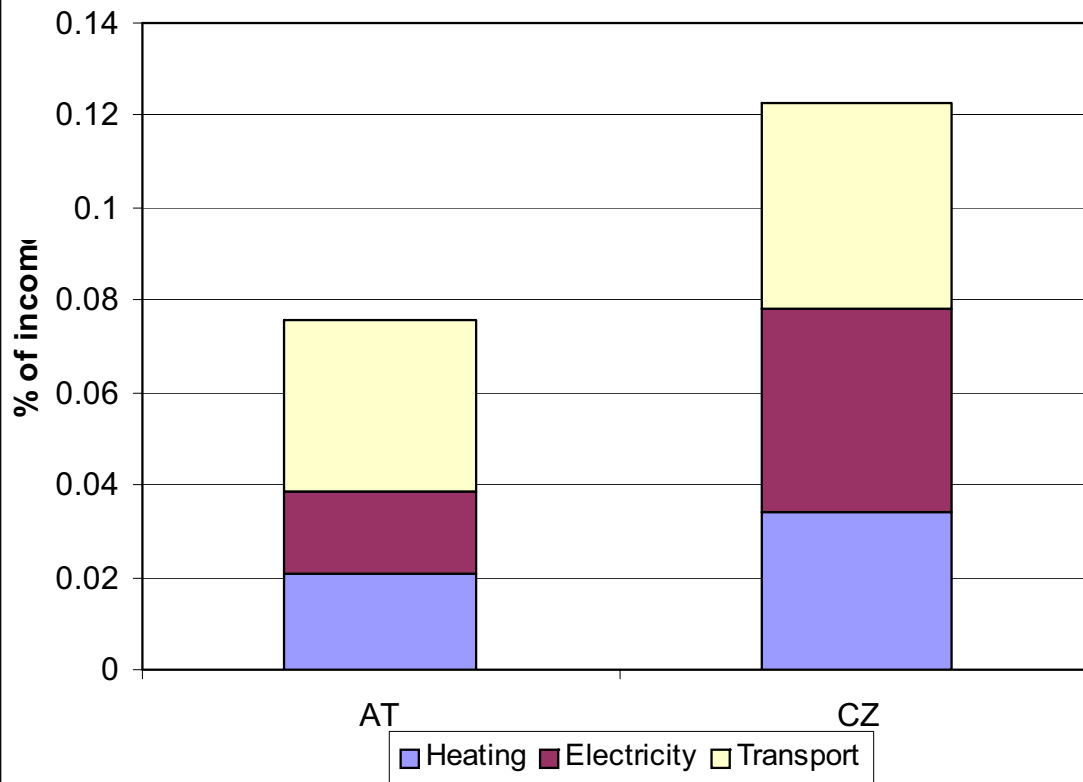
Source: EUROSTAT (2007)

### Energy consumption / household





### Share of energy expenditures on households income 2005



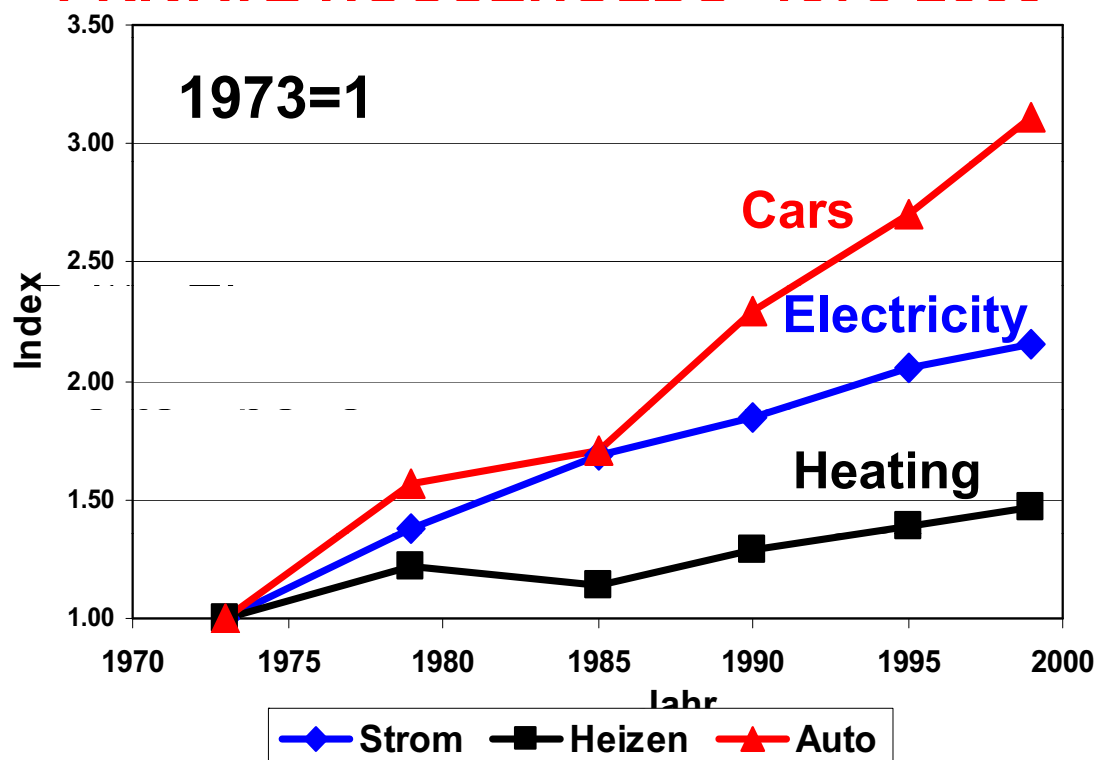
# LEFT TO BE DONE

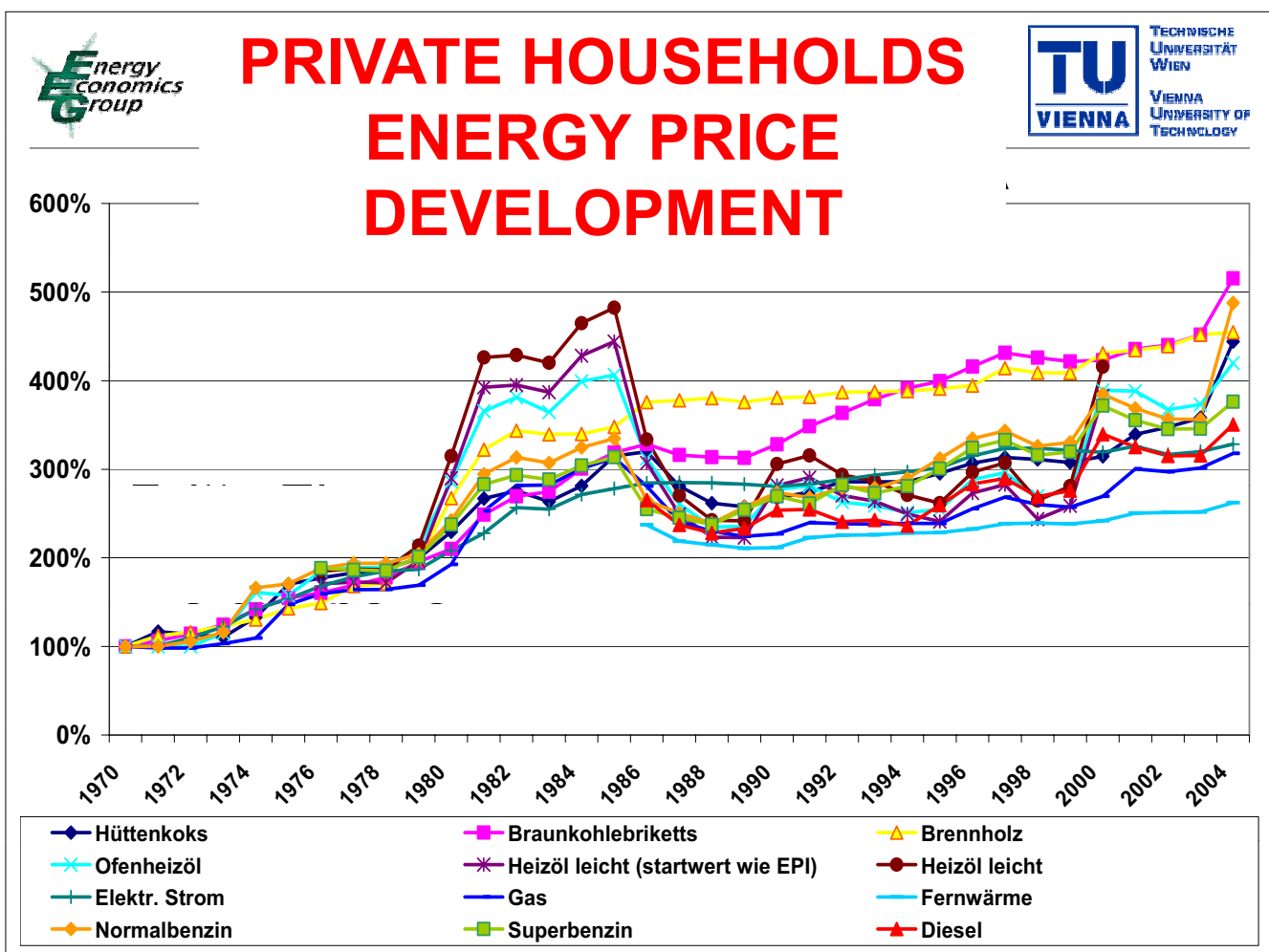
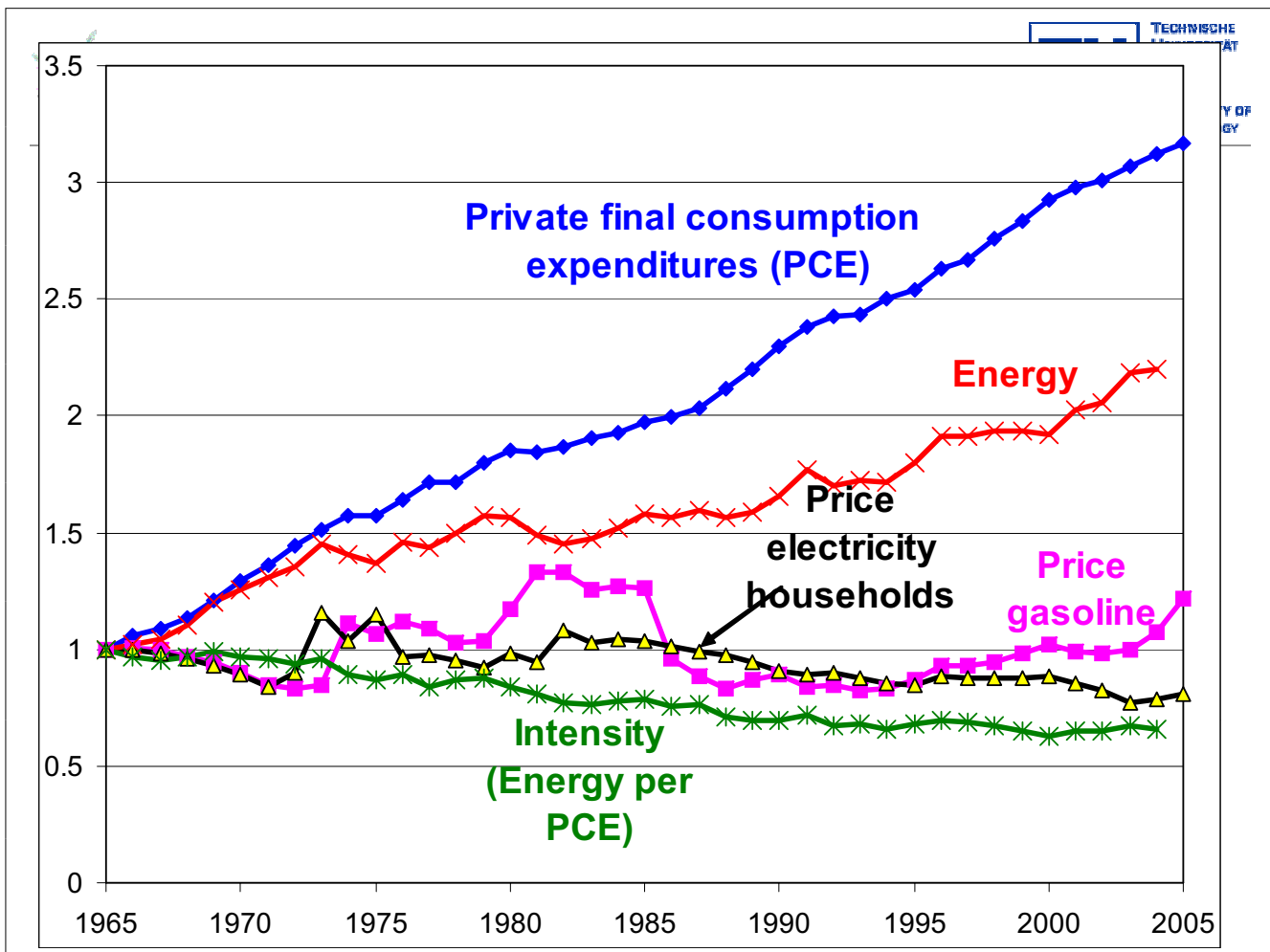
## 1. Verify prices

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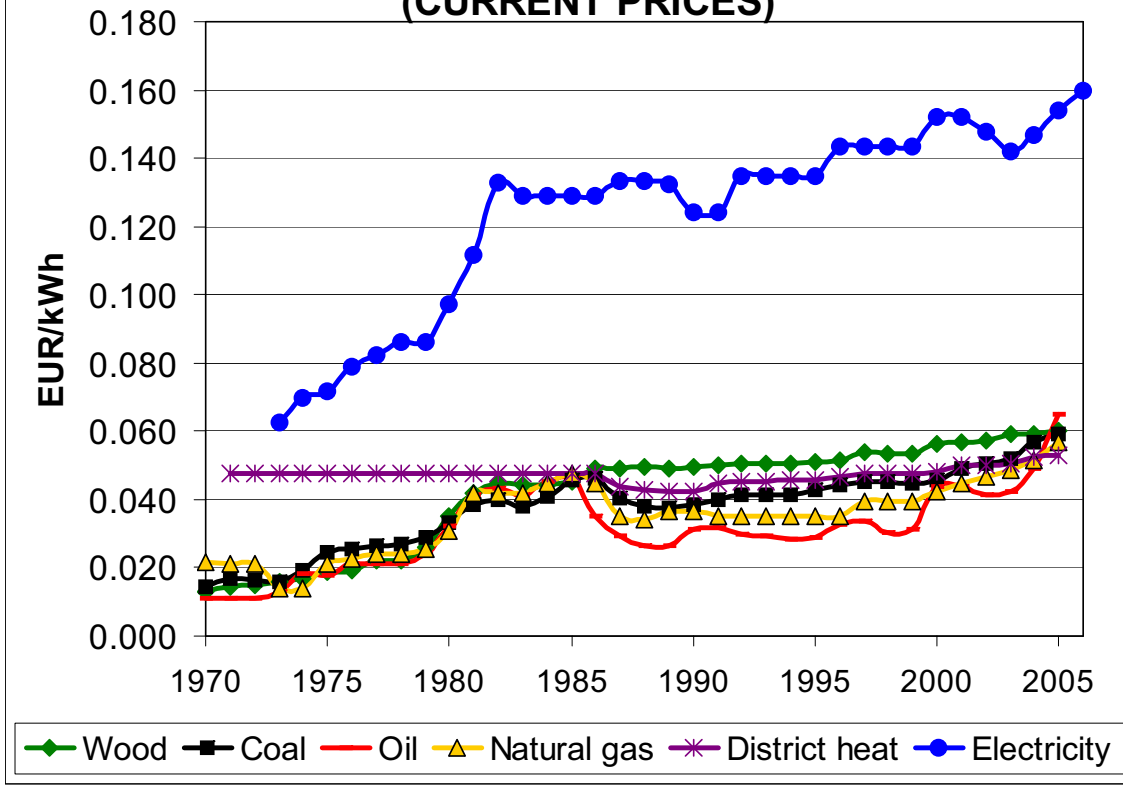
1. Similar energy consumption patterns, AT grows, CR stagnating
2. Prices: steep increases in CR, stagnation in AT, price levels in AT still higher
3. Household income: three times higher in AT, shares of energy slightly higher in CR

### PRIVATE HOUSEHOLDS 1973-2000





### HOUSEHOLD ENERGY PRICES IN AUSTRIA (CURRENT PRICES)



### HOUSEHOLDS ENERGY PRICES IN AUSTRIA (PRICES OF 2005)

