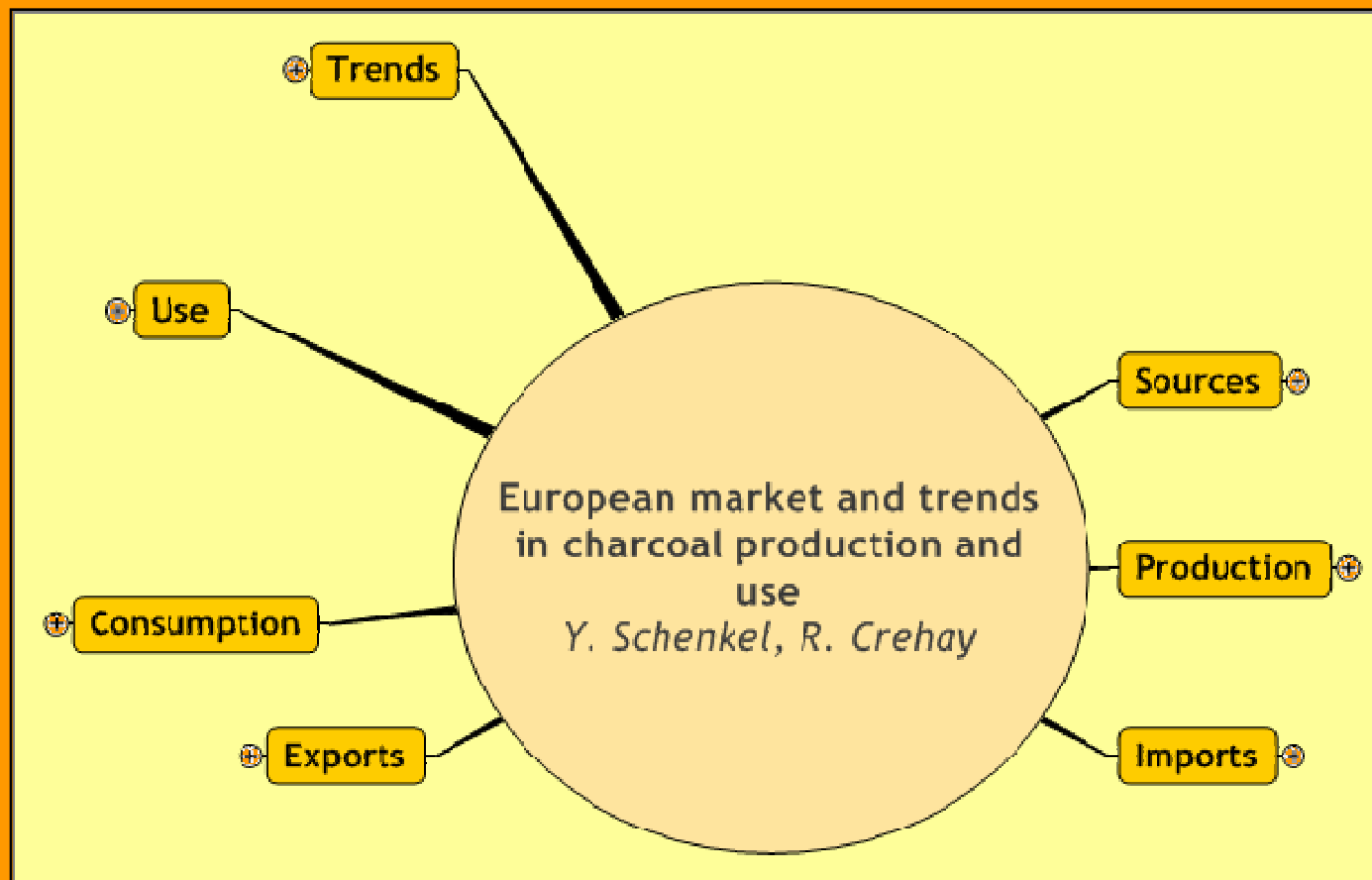


# European market and trends in charcoal production and use

*Y. Schenkel, R. Crehay*



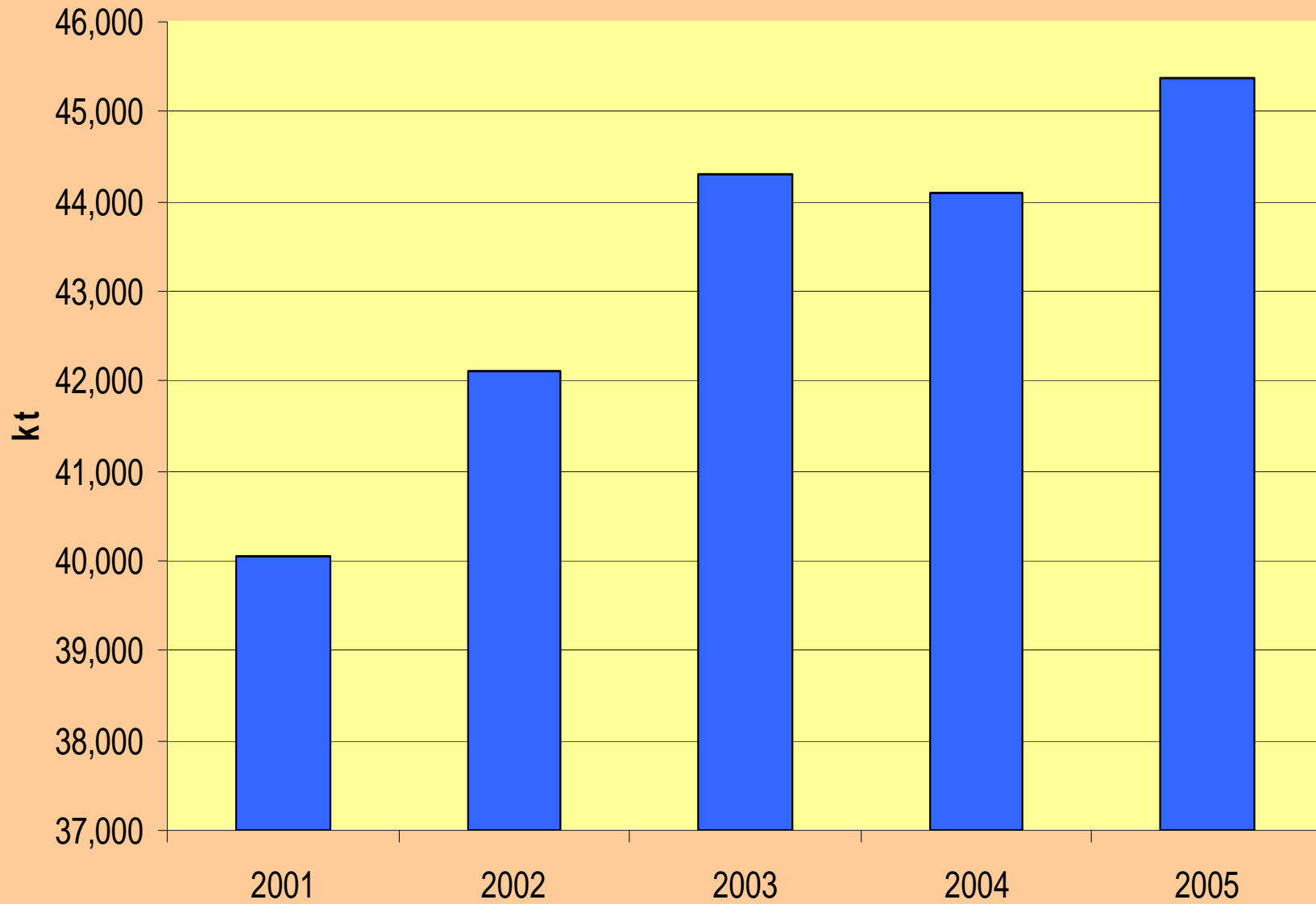
# Sources

- FAOSTAT
  - Years 2001 to 2005
  - EU 27 + Croatia
- Other sources ?

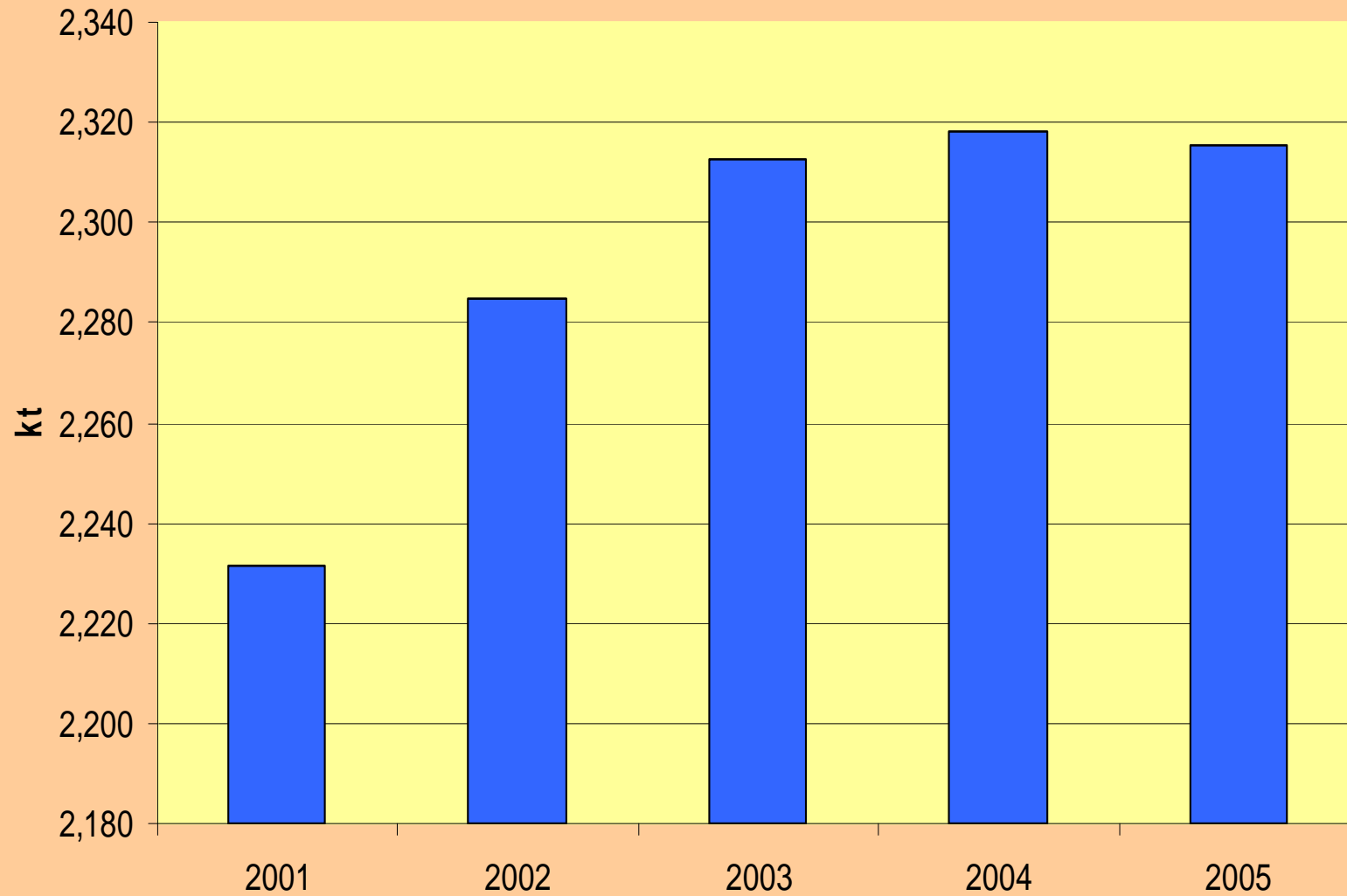
# World production

- Average 2001-2005 : 43,185 kt
- Evolution 2001-2005 : + 13 %

## World production wood charcoal (2001-2005)



## EU 27 wood charcoal production (2001-2005)

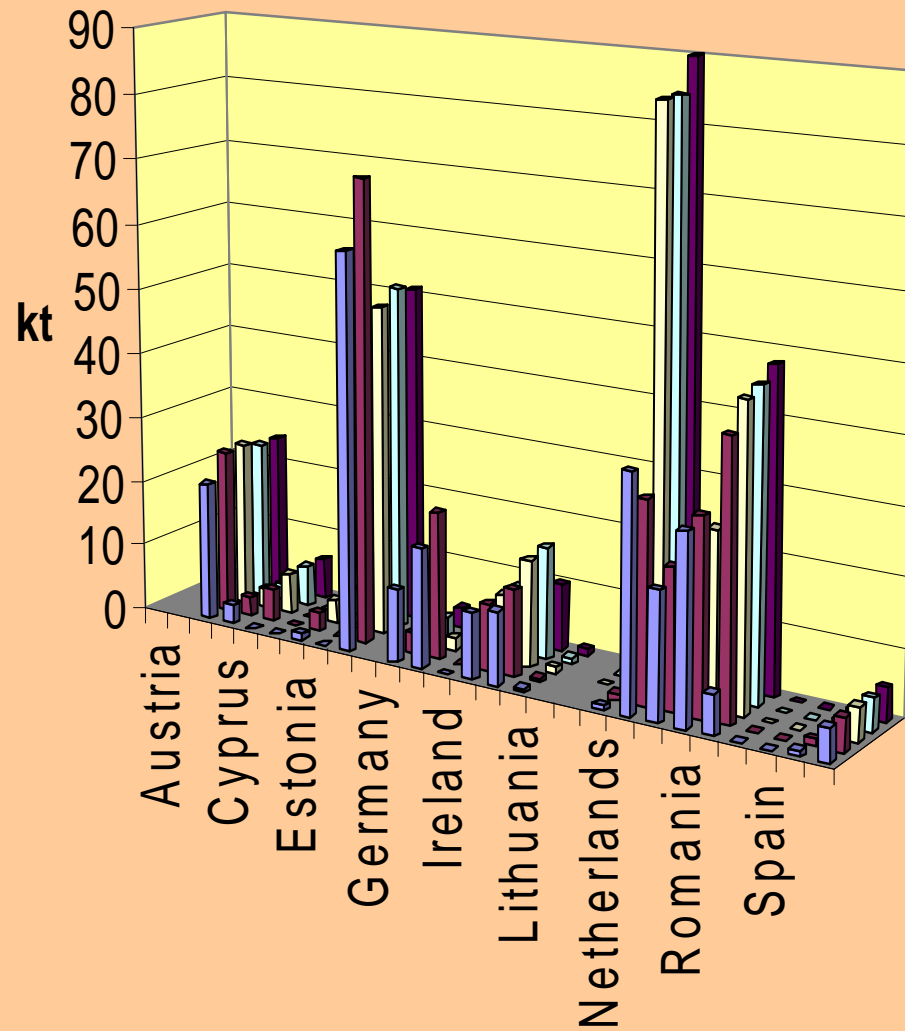


# EU 27

Average production 2001-2005 :  
2,293 kt

Evolution 2005 vs 2001 : + 4 %

## EU 27 MS wood charcoal production (2001-2005)



# EU 27 Member States

- Major producers (average 2001-2005)
  - 1. Poland - 65 000 t
  - 2. France - 56 600 t
  - 3. Slovakia - 37 200 t
  - 4. Romania - 27 000 t
  - 5. Bulgaria - 23 800 t

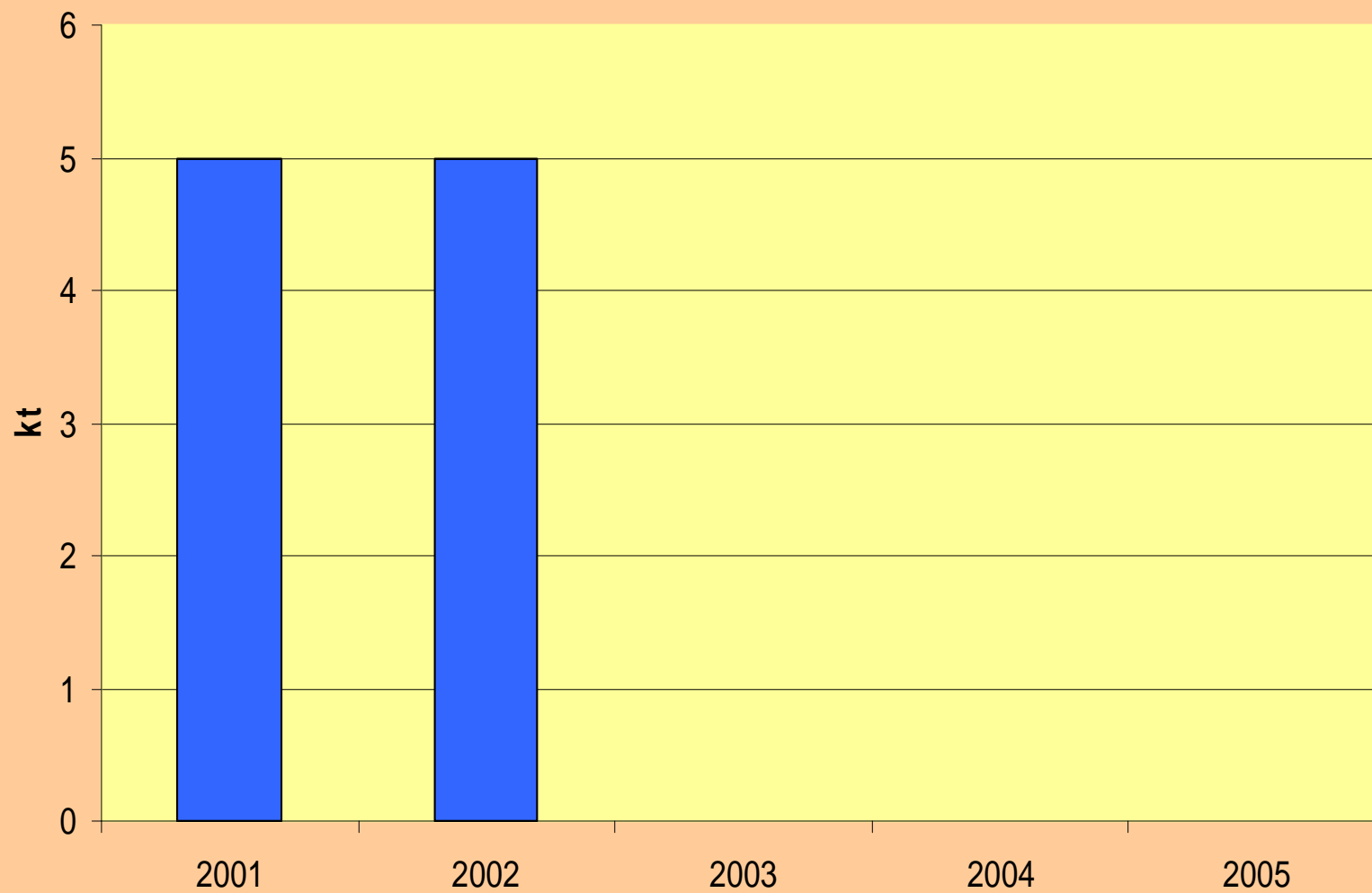
# No data

- Austria
- Belgium
- Germany
- Luxembourg

# Croatia

- Average 2001-2005 : 2 kt

## Croatia wood charcoal production (2001-2005)



# Some considerations

Spain :

Major producer until 99 (65 kt)

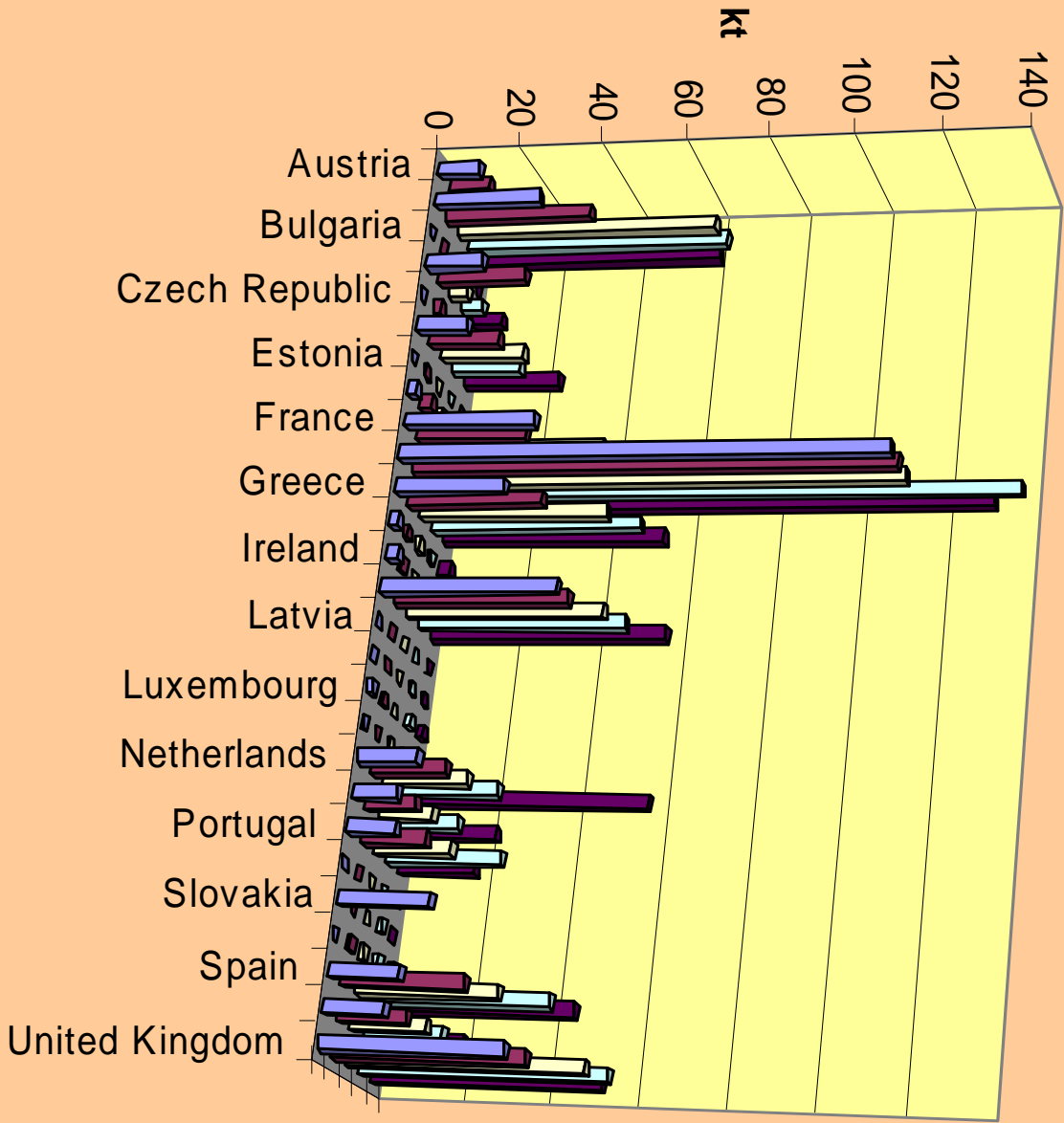
0 t since 99 !

Strange data :

Greece : 3,044 t every year since 2002

Round quantities

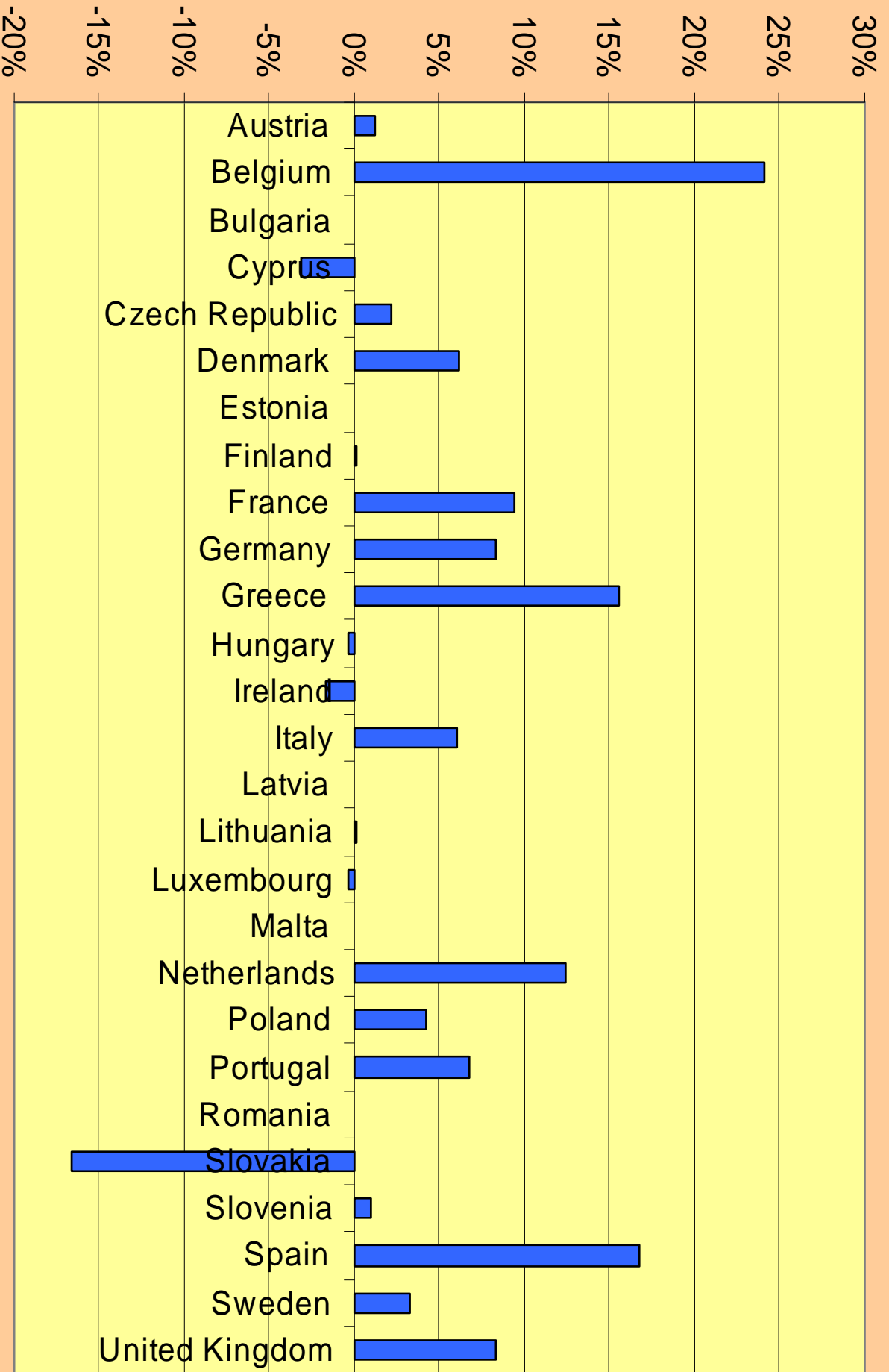
# EU 27 wood charcoal imports (2001-2005)



# EU27 countries

- Major importers (average 2001-2005)
  - 1. Germany - 122 000 t
  - 2. United Kingdom - 50 000 t
  - 3. Belgium - 50 000 t
  - 4. Italy - 47 000 t
  - 5. Greece - 42 000 t
  - 6. France - 40 000 t
- Evolution 2005 vs 2001 : + 4 %

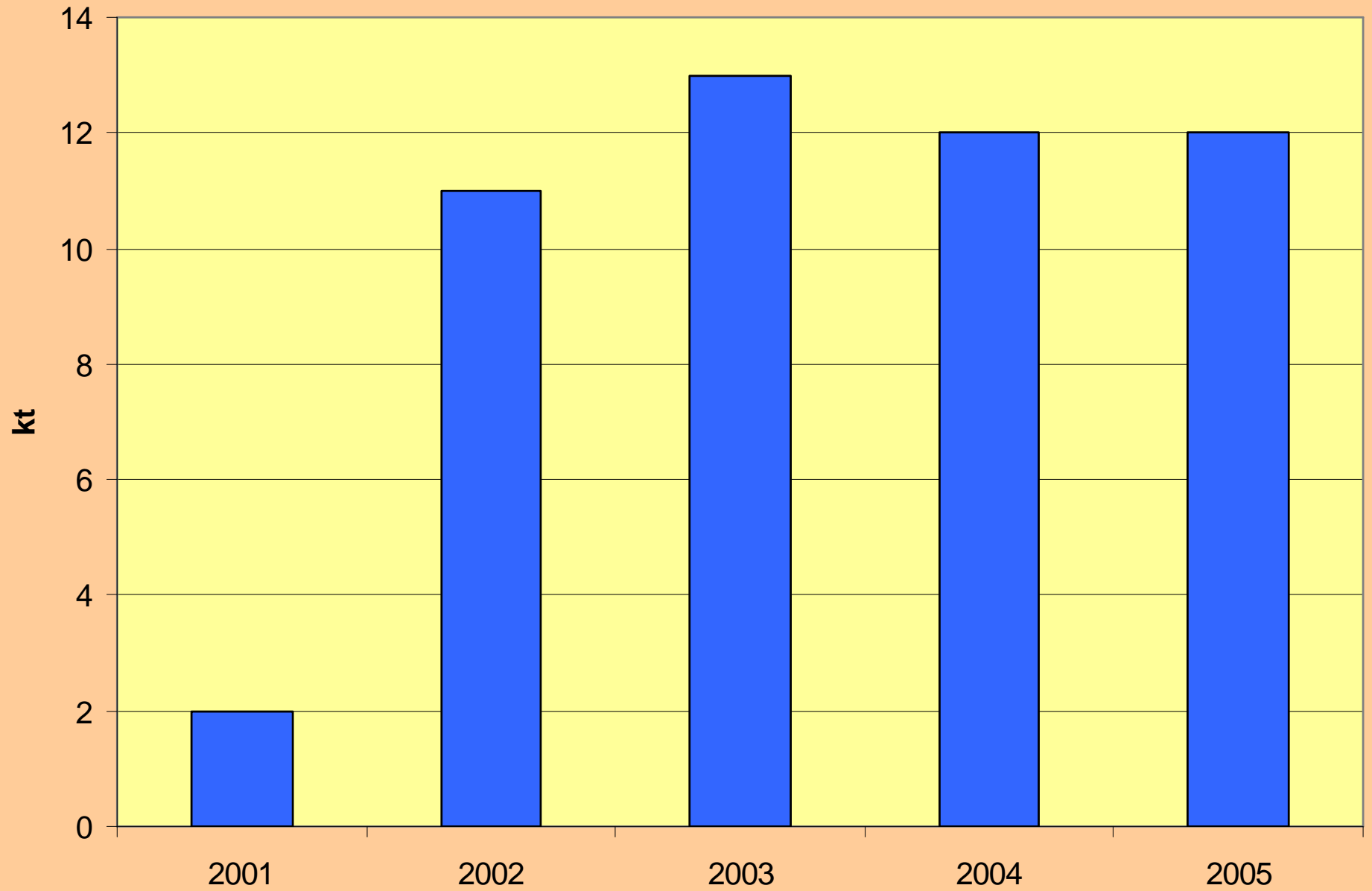
# EU27 MS Evolution wood charcoal imports 2005 vs 2001



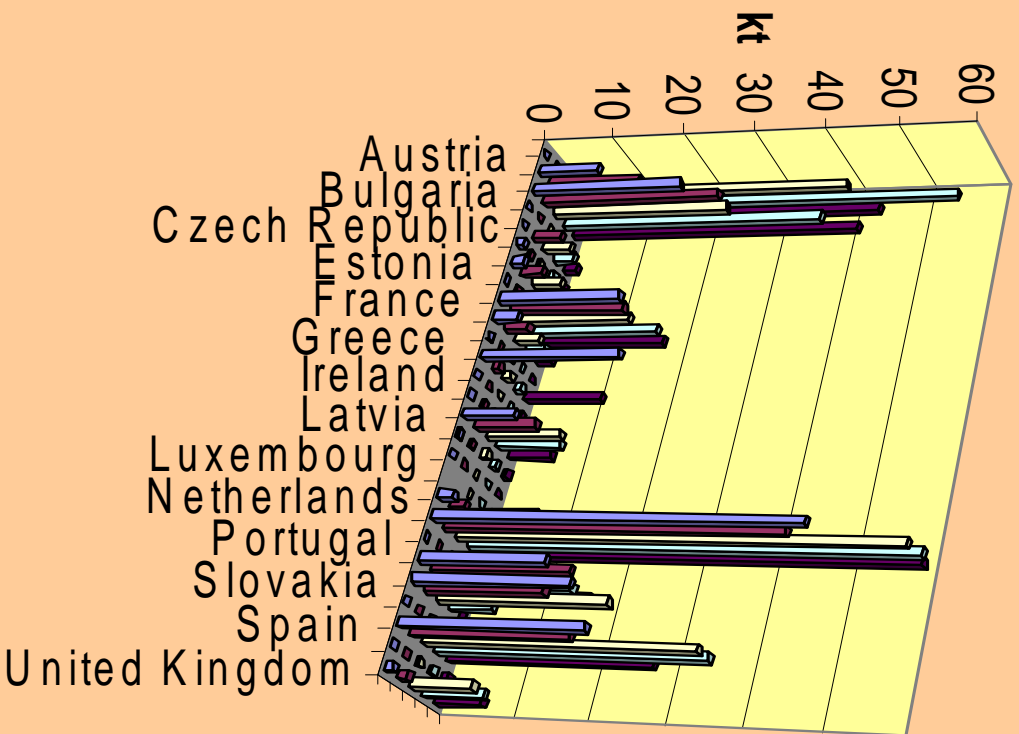
# Croatia Imports

Evolution 2005-2001 : + 8 %

### Croatia wood charcoal imports 2001-2005



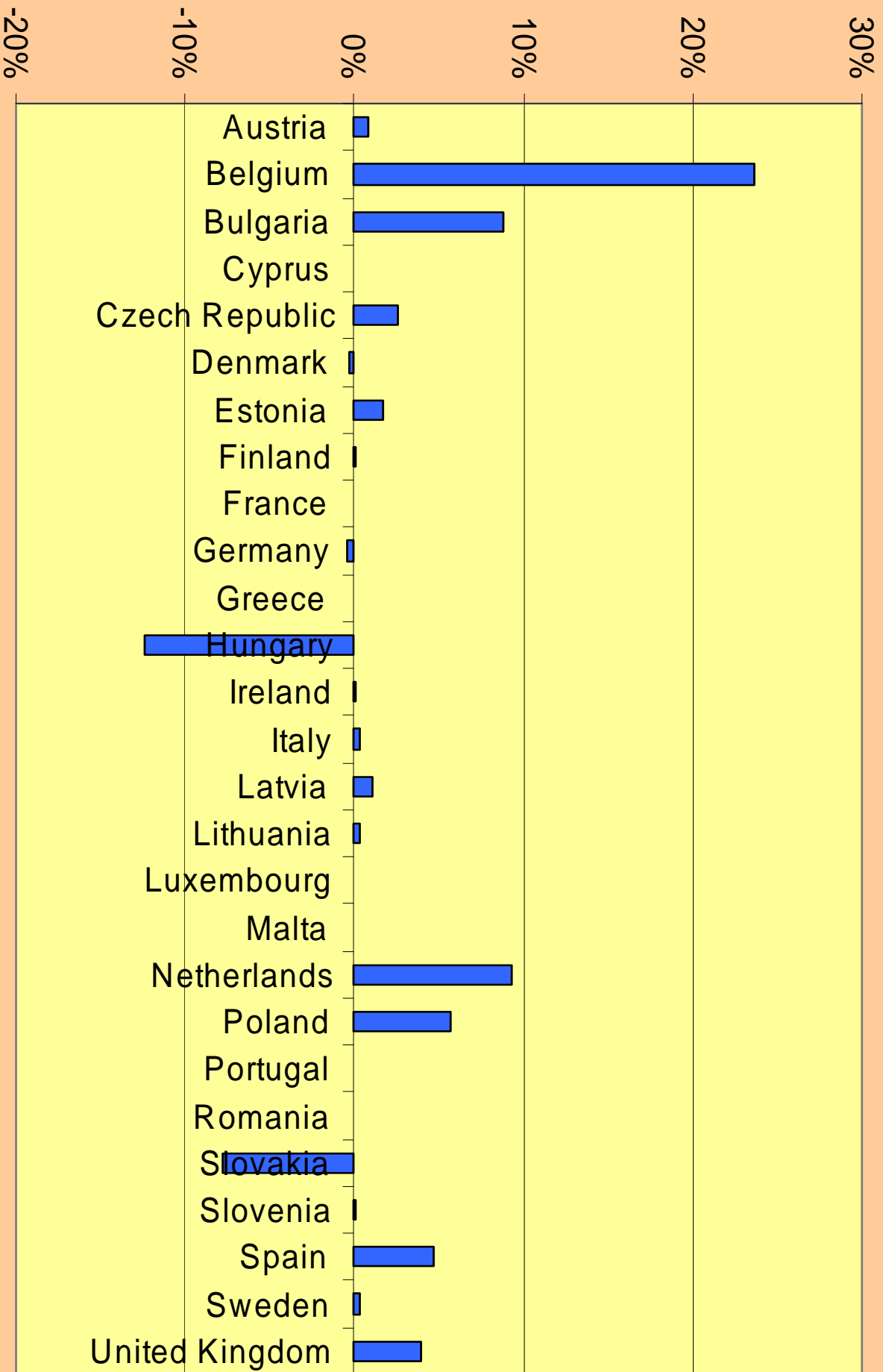
# **EU27 MS wood charcoal exports 2001-2005**



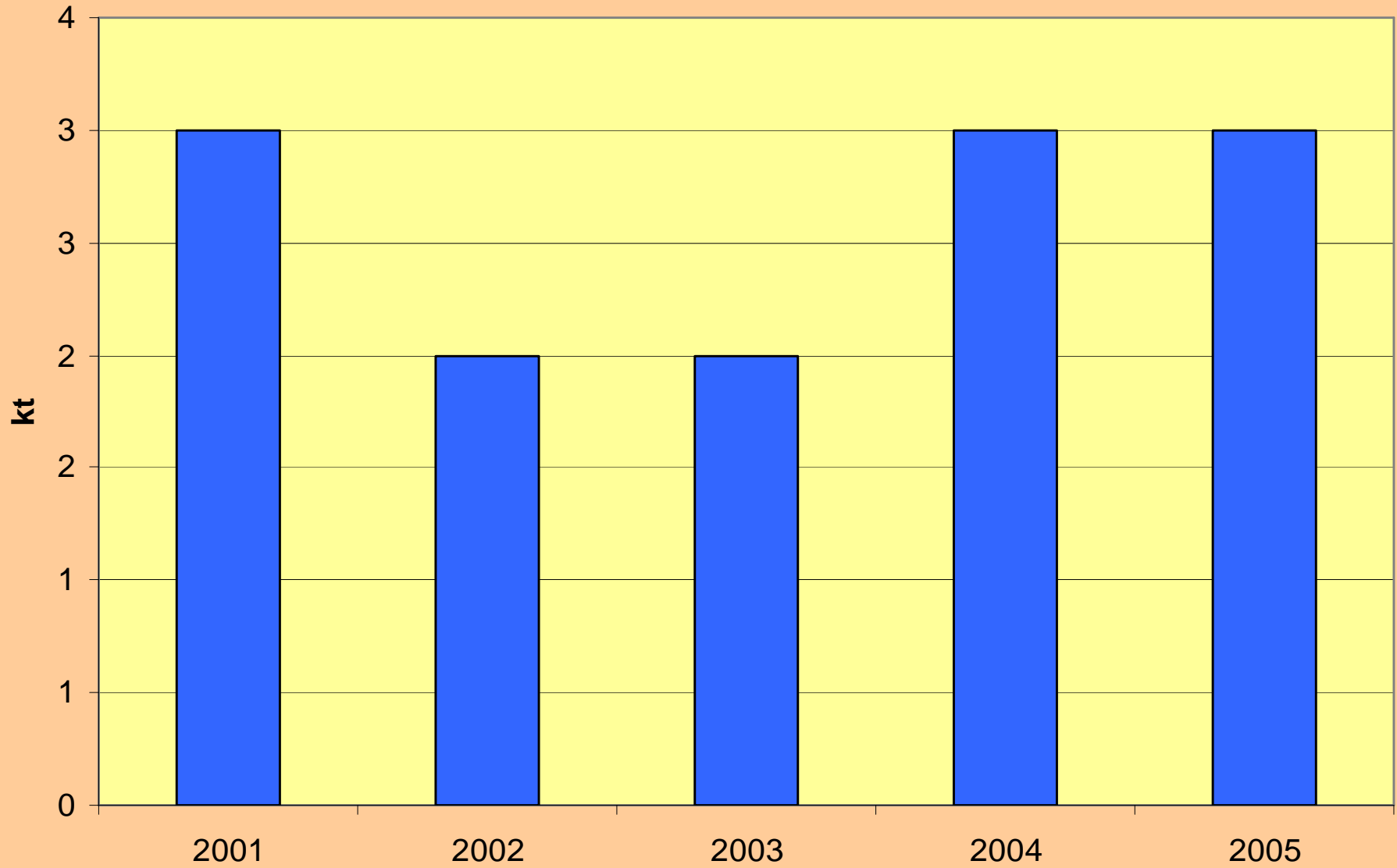
# EU 27 Member States

- Major exporters
  - 1. Poland - 54 000 t
  - 2. Belgium - 32 000 t
  - 3. Bulgaria - 30 000 t
  - 4. Spain - 29 000 t
  - 5. Romania - 17 000 t
  - 6. France - 17 000 t
- Evolution 2005 vs 2001 : + 1.6 %

# EU27 MS Evolution wood charcoal exports 2005 vs 2001



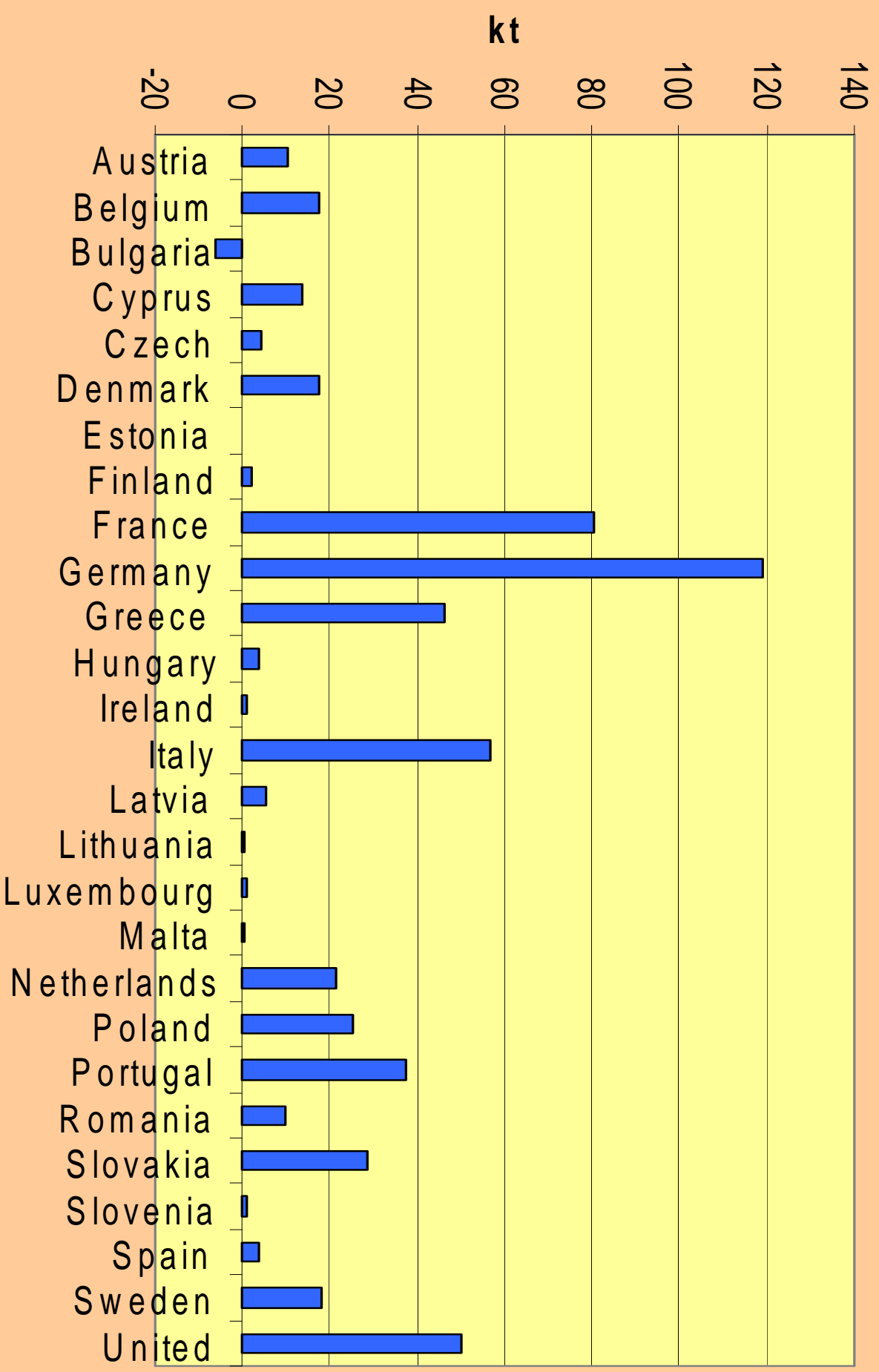
### Croatia wood charcoal exports 2001-2005



# Consumption

- $\text{Production} + \text{Imports} - \text{Exports}$

**EU MS wood charcoal consumption (average 2001-2005)**



# Use

- Energy
  - Cooking (ACP countries)
  - BBQ
- Metallurgy
  - Reducer
  - Ferro-silicons
- Filtration
- Activated carbon

# Trends

World production continuously increasing :

> 2.5 % per year in average

European production growing slowly :

< 1 % per year in average

Certification ?

# Data reliability is an issue

- Estimated quantities
  - Production
  - Import
  - Export
- Market segmentation
  - Further investigations necessary
  - Quality standards

# Wood supply competition

- Wood for industry
- Wood for energy
- Wood for charcoal
  - Place ?
  - Competitivity ?