



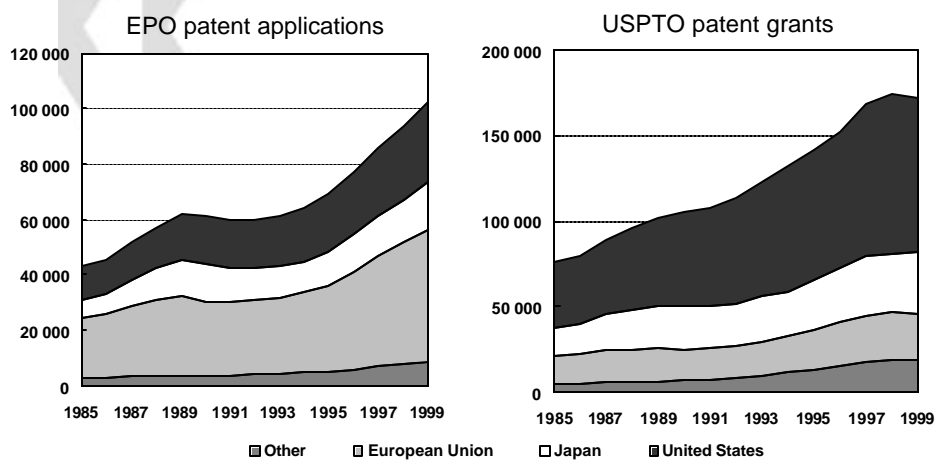
# OECD Patent Statistics

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**WIPO – OECD WORKSHOP ON STATISTICS IN THE PATENT FIELD**  
Geneva, September 18 and 19, 2003

## ...IPR related issues attracting great deal of interest & surge in world-wide patent activities



## Data availability and limitations

### Data sources

- Primary Source
  - National and regional patent office
  - International organisation
- Secondary Source
  - Commercial data provider
  - National and international public institutes

### Limitations

- Difficult to access standardised data for statistical purpose
- Limited metadata / methodological weakness

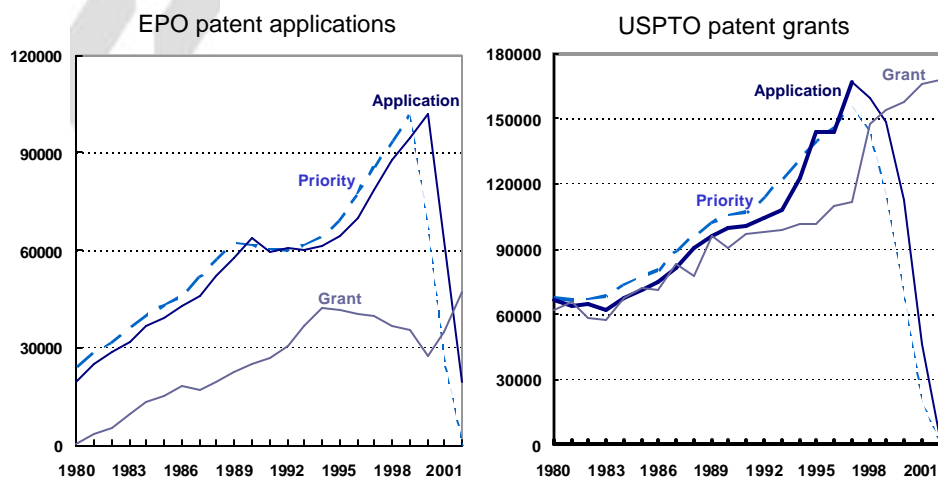
## Patent statistics activities at the OECD

- Complementary to existing efforts
- International statistical infrastructure
- Taskforce - EPO, JPO, USPTO, WIPO, EC, NSF & OECD
- Database
  - EPO, USPTO, Patent families
  - National offices (e.g. JPO), citations, PCT (on going work)
  - Firm level data (on going)
- Methodology
  - Counting procedure, families, technology, industry, citations, firm level data

## Understanding patent indicators

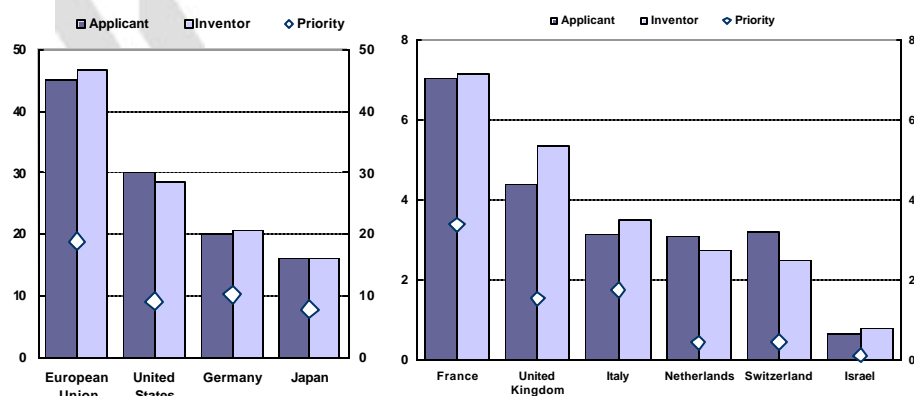
- Wide-ranging indicators: conflicting / misleading messages
- Understanding patent indicators and what they reflect
  - Designing indicators to measure a particular phenomena
- Methodological choice for calculating indicators
  - Geographical distribution
  - Reference date
  - Multiple inventors

## Impact of methodological choice: reference date



## Impact of methodological choice: reference country

Country shares in EPO applications, 1998

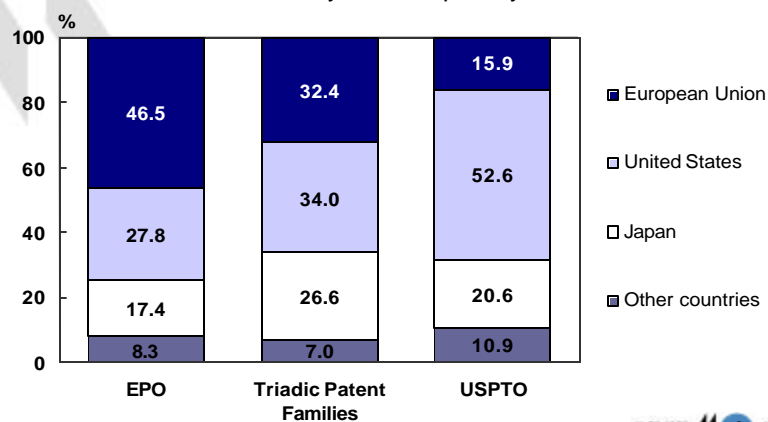


## OECD patent indicators

- Focus on inventive performance, diffusion, etc.
- Priority date / inventor country
- Priority date => time lag
- International comparison (e.g. families)
- ...but indicators based on other criteria are available

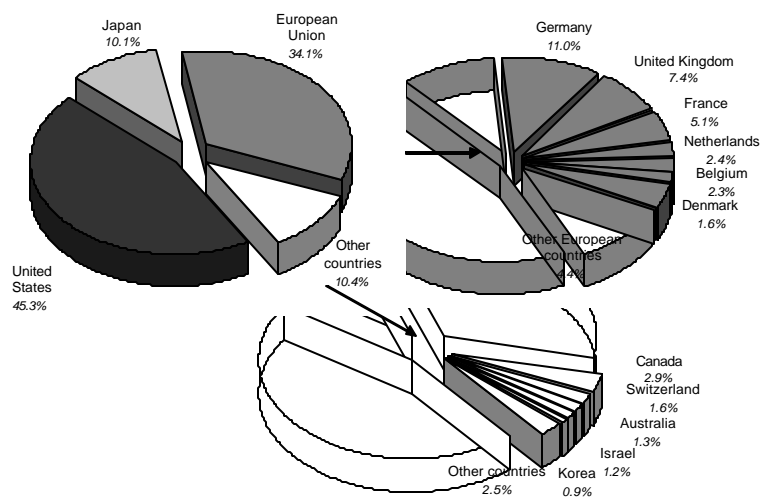
## Triadic patent families

Patent applications to the EPO / Patent grants at the USPTO  
Triadic Patent Families  
OECD country shares, priority in 1999



## Technology areas

Share of countries in Biotechnology patents - EPO, 1999





## Dissemination

- Improve accessibility of data / metadata
- Current OECD practice
  - Various OECD publications (e.g. Compendium)
  - CD-ROM for the TF members, test users, on request
- Online access
  - [www.oecd.org/sti/measuring-scitech](http://www.oecd.org/sti/measuring-scitech)
  - EPO / USPTO / Triadic patent families
  - Covers more than 100 countries
  - Reference date (application / priority / grant)
  - Reference country (inventor / applicant)
  - IPC / US patent class
  - International co-operation



## Future plan

- National patent office data
- PCT database
- Firm level data
- Citations
- Further methodological work
- Improve dissemination of data