



Wood Science Education in Europe

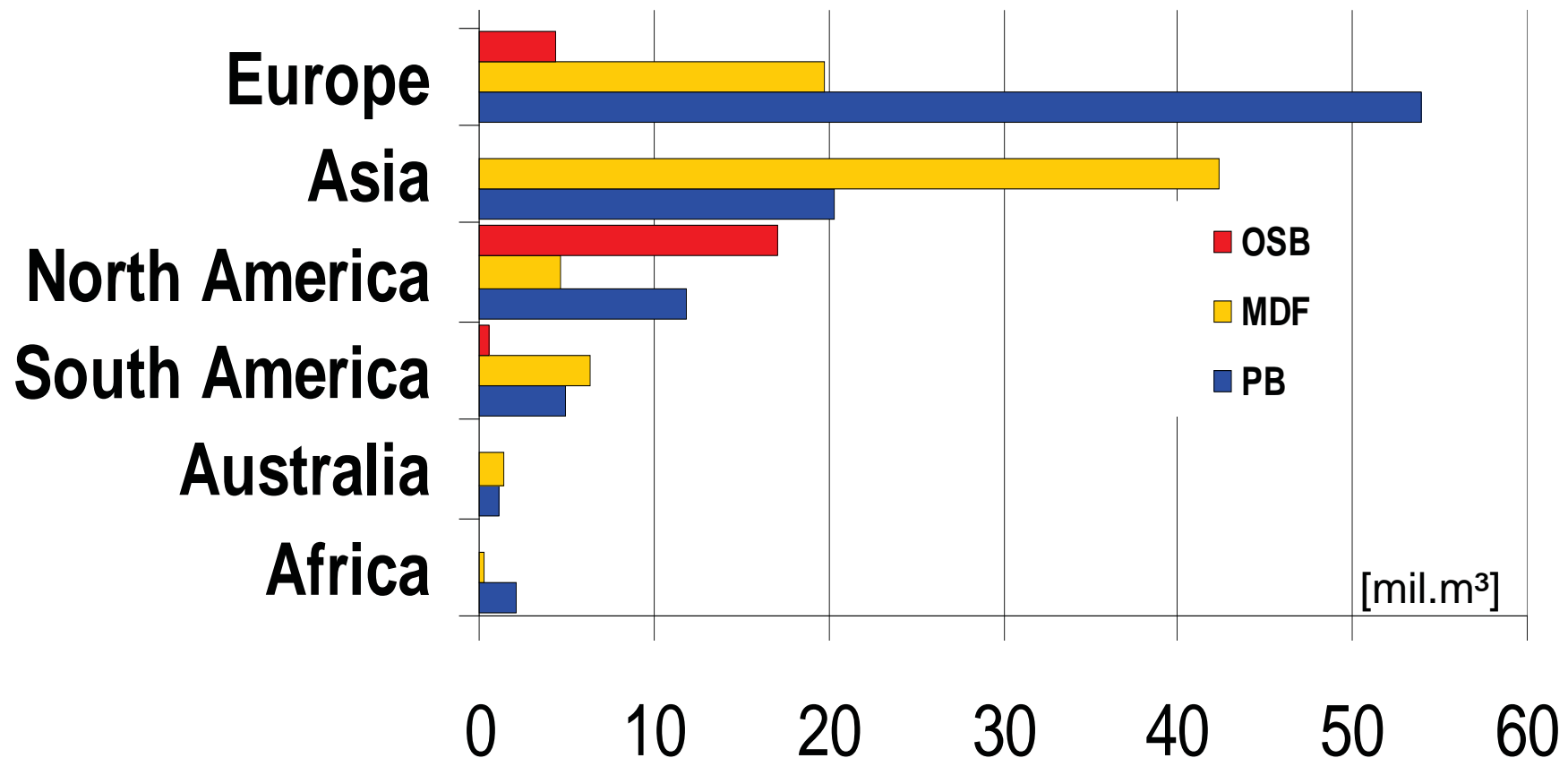


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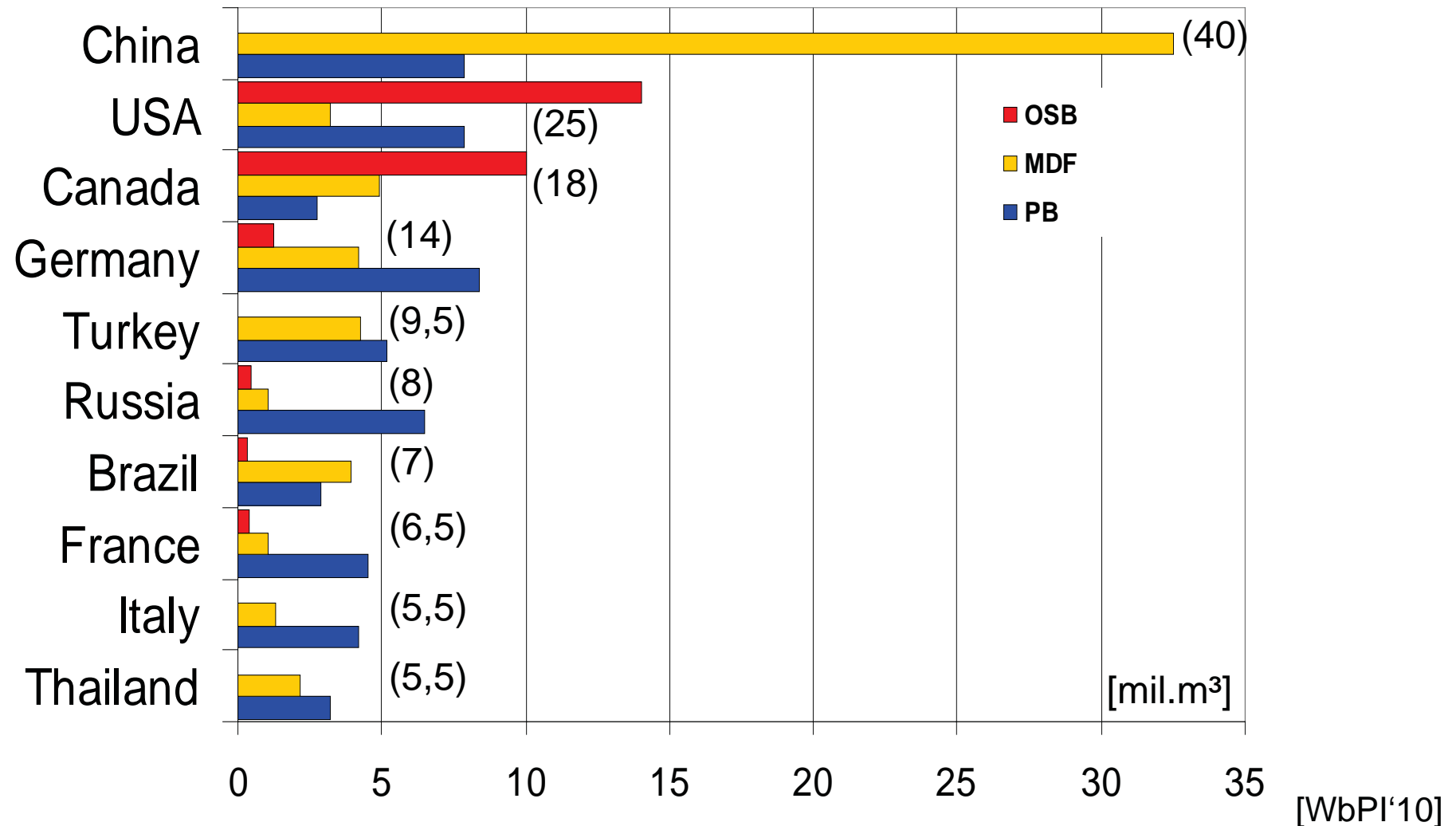
World production capacities for wood panels

(Total: $80+65+35+15+\text{rest}=245$ mil.m³)



[WbPI'10]

World production leaders for wood panels



European wood processing industry

2009 (EC27): 270 bill. € / 2,8 M persons / 316.000 factories

Europe 2010:

100 MDF-mills
(20 mil.m³)

235 PB-mills
(54 mil.m³)

15 OSB-mills
(4,5 mil.m³)

100 Plywood
(3 mil.m³)

70 GLT-mills
(4 mil.m³)

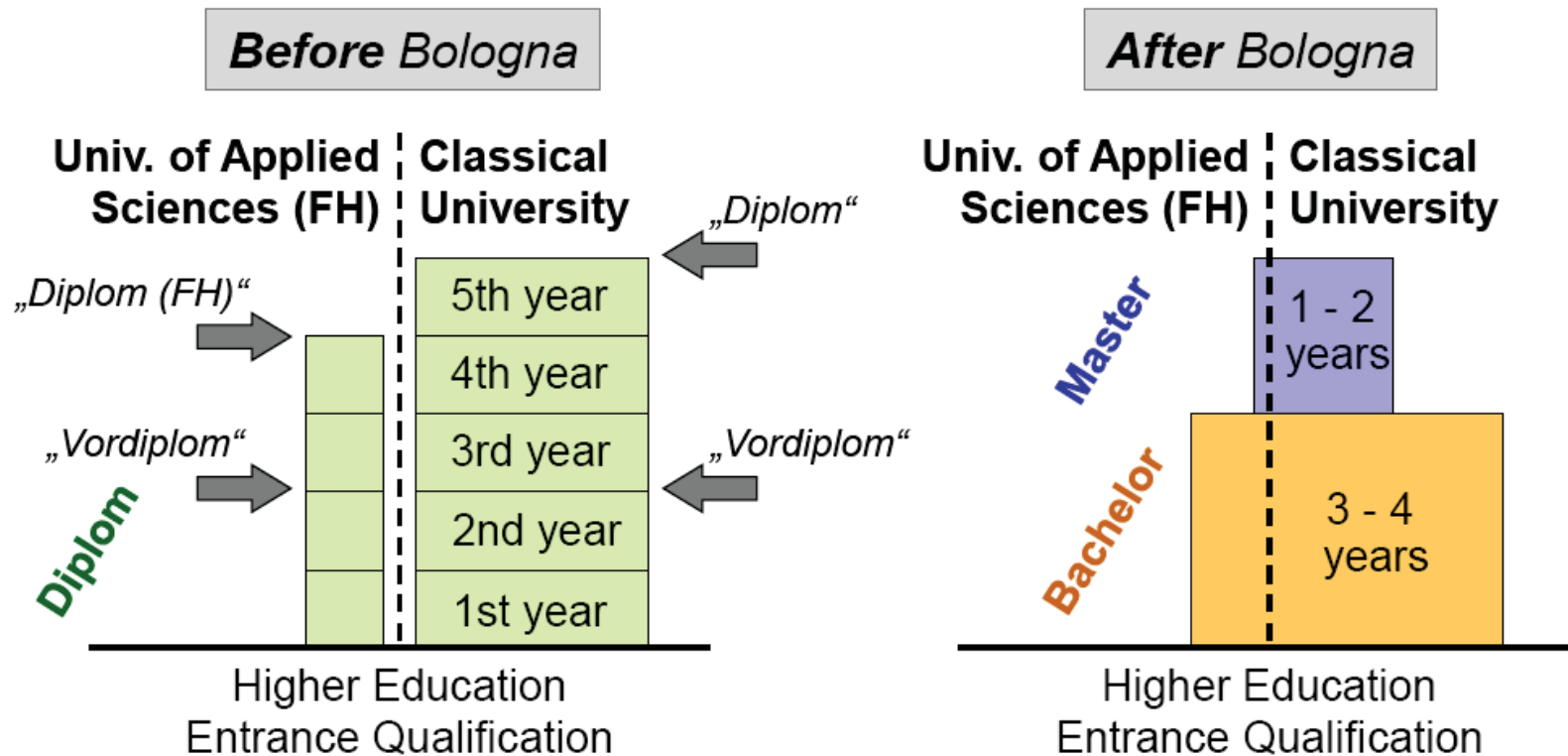
60 MB-mills
(1 mil.m³)

10 CLT-mills
(0,5 mil.m³)

250 Pellets-mills
(5 mil.t)



New European educational system after Bologna



Bologna process goals:

- standardization of higher education of last 150 years
- improvement of flexibility for individual qualification
- request graduate programs for life-long education
- irreversible implementation of higher diversification
- compatibilization of national or regional studies

[DAAD, after Thömen]

Differences to the Anglo-American systems

- Typical duration of bachelor + master
 - North America: 6 years
 - UK: 4 years
 - Central Europe: 5 years (300 credit points)
- Consecutive programs *)

- **Anglo-American system**



- **European system *)**

*) not relevant to all countries

[after Thömen]

European specifics in forestry and wood processing

- 5% of world forest area
- same softwood timber production as North America
- main supplier for sawing, panel production equipment
- main producer for panel resins and decorative papers
- 8% of the total value added in the manufacturing industry
- over 3 mill. permanent jobs
- over 300.000 companies different sizes
- over 50 higher education sites related to wood science
- over 10000 students in different stages of education
- over 1000 staff (1/4 PhD students) for teaching purposes
- e-learning started also in wood science education

European Universities with curricula in Wood Science

