



EWEA
THE EUROPEAN WIND ENERGY ASSOCIATION



Green Growth

Present and future macro-economic impact of wind energy

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20 November 2012



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More than 600 members from almost 60 countries

- Manufacturers with a leading share of the global wind power market
- Component suppliers
- Research institutes
- National wind and renewable associations
- Developers
- Electricity providers
- Finance and insurance companies
- Consultants
- Contractors

This combined strength makes EWEA the world's largest and powerful wind energy network



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EWEA's leading members



GE Energy



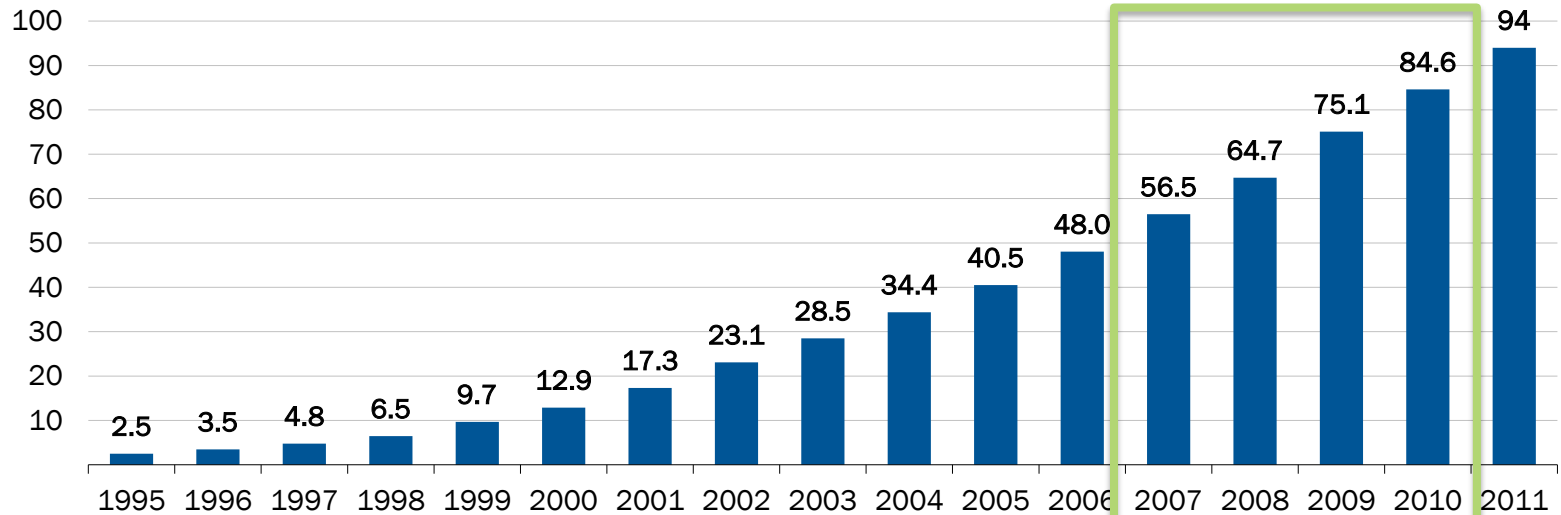
Outline



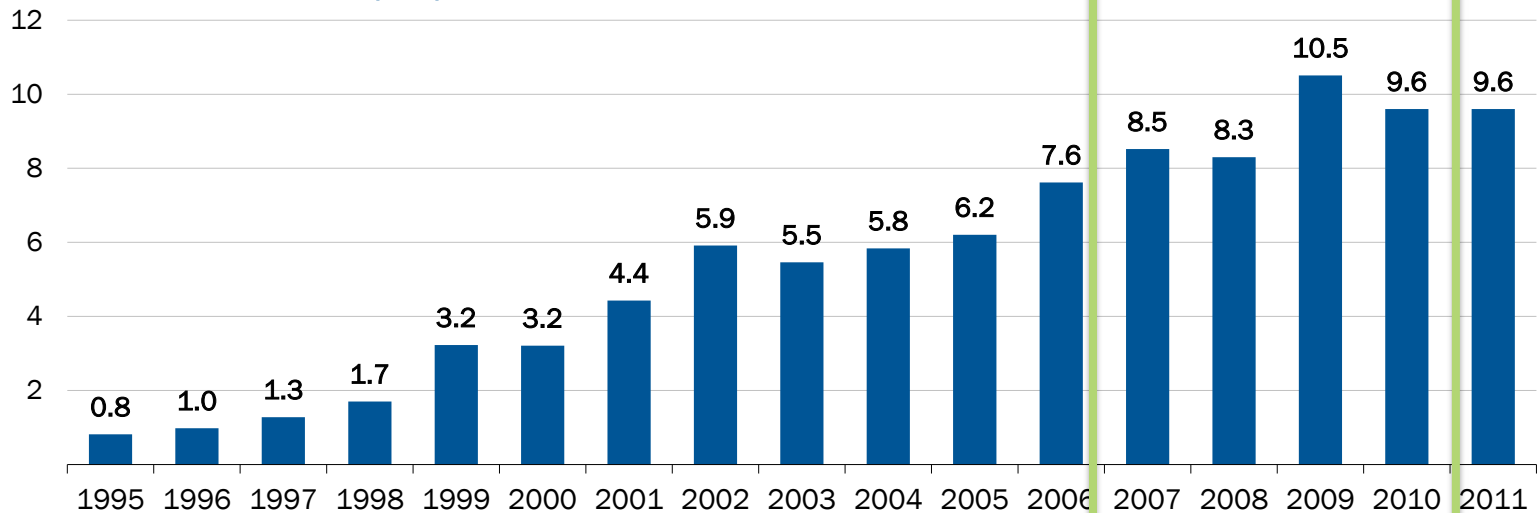
- 1 - Current status
- 2 - Future development
- 3 - Direct contribution to GDP
- 4 - By the way ...
- 5 - Exports vs Imports
- 6 - Direct jobs
- 7 - Taxes
- 8 - Overall economic impact
- 9 - R&D
- 10 - Forecast 2020 and 2030

Current status

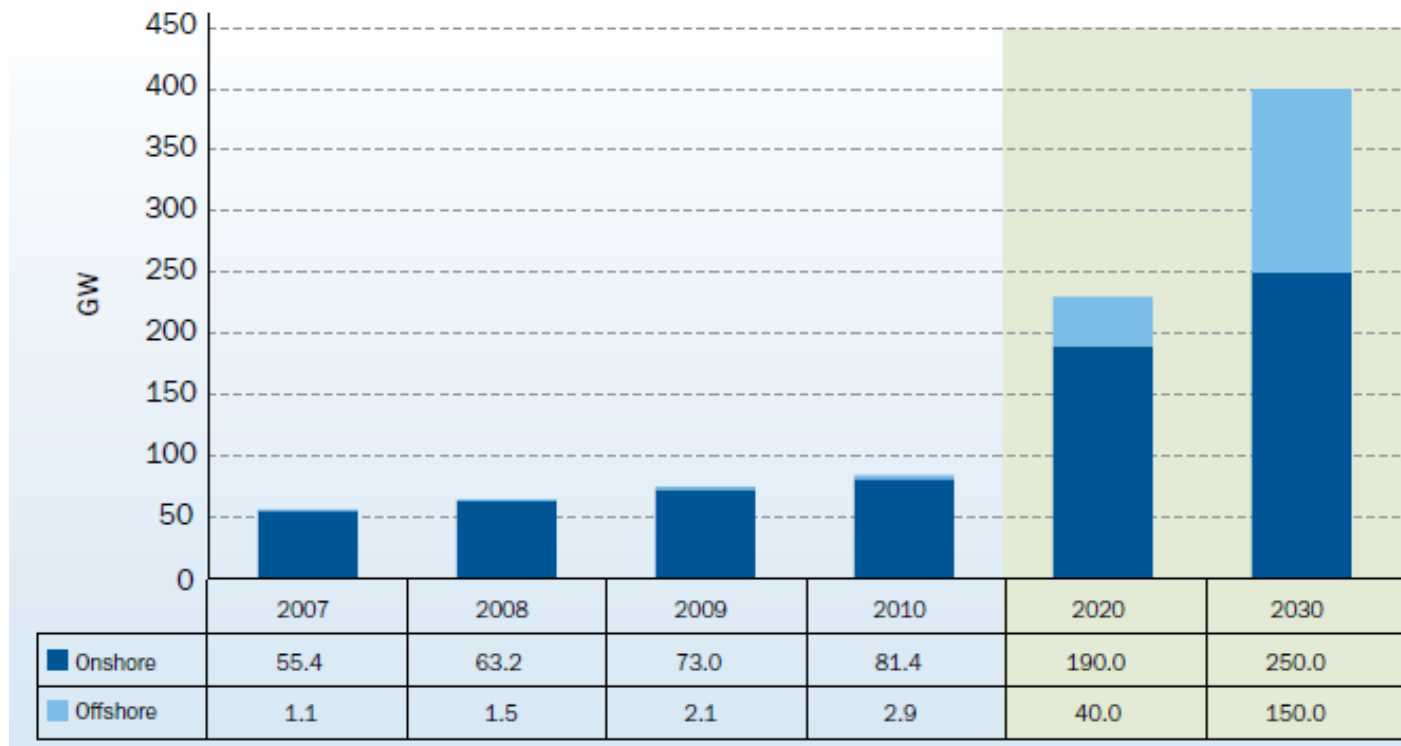
Cumulative installations in EU (GW)



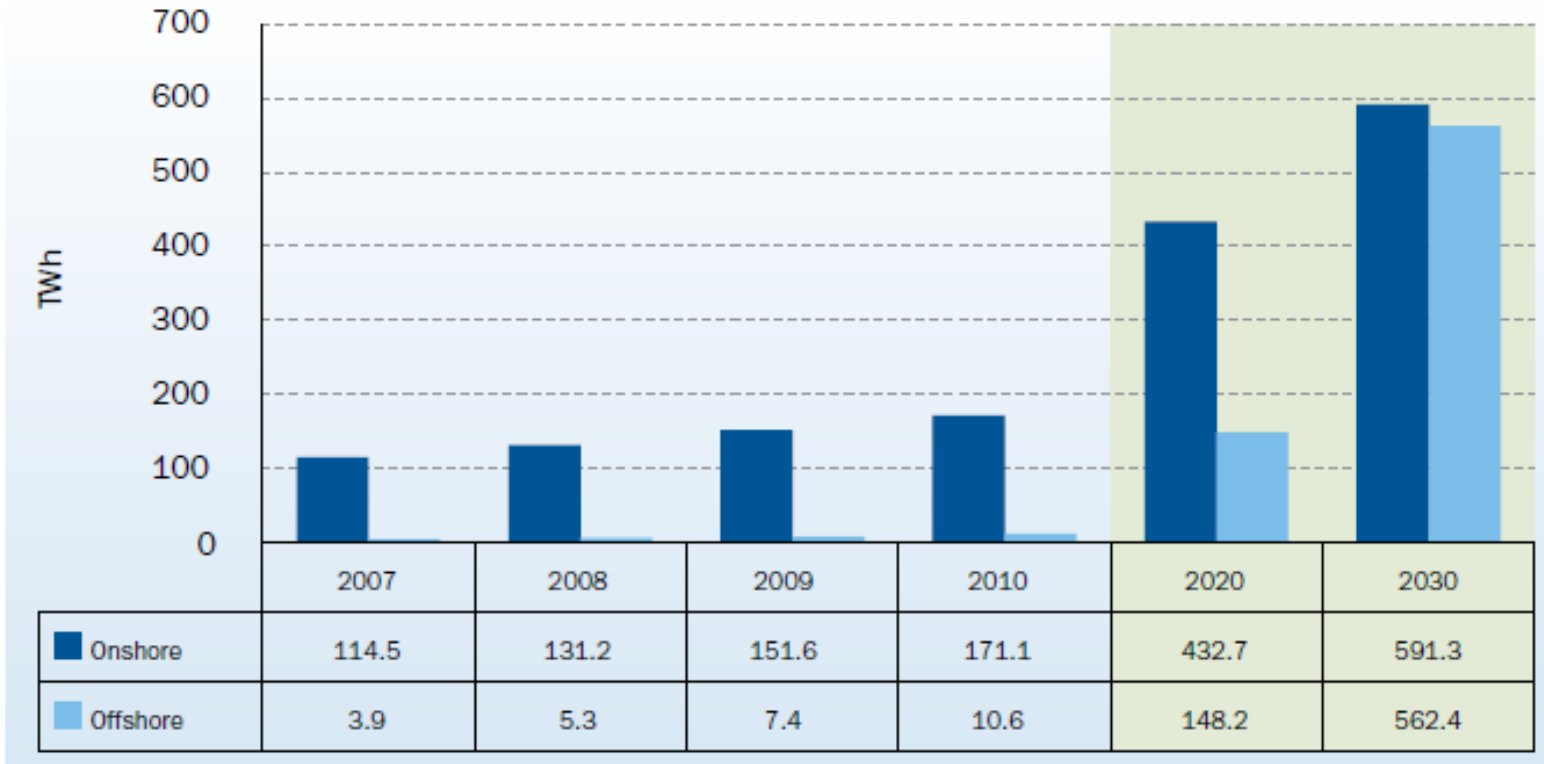
Annual installations in EU (GW)



Cumulative installations in EU (GW)

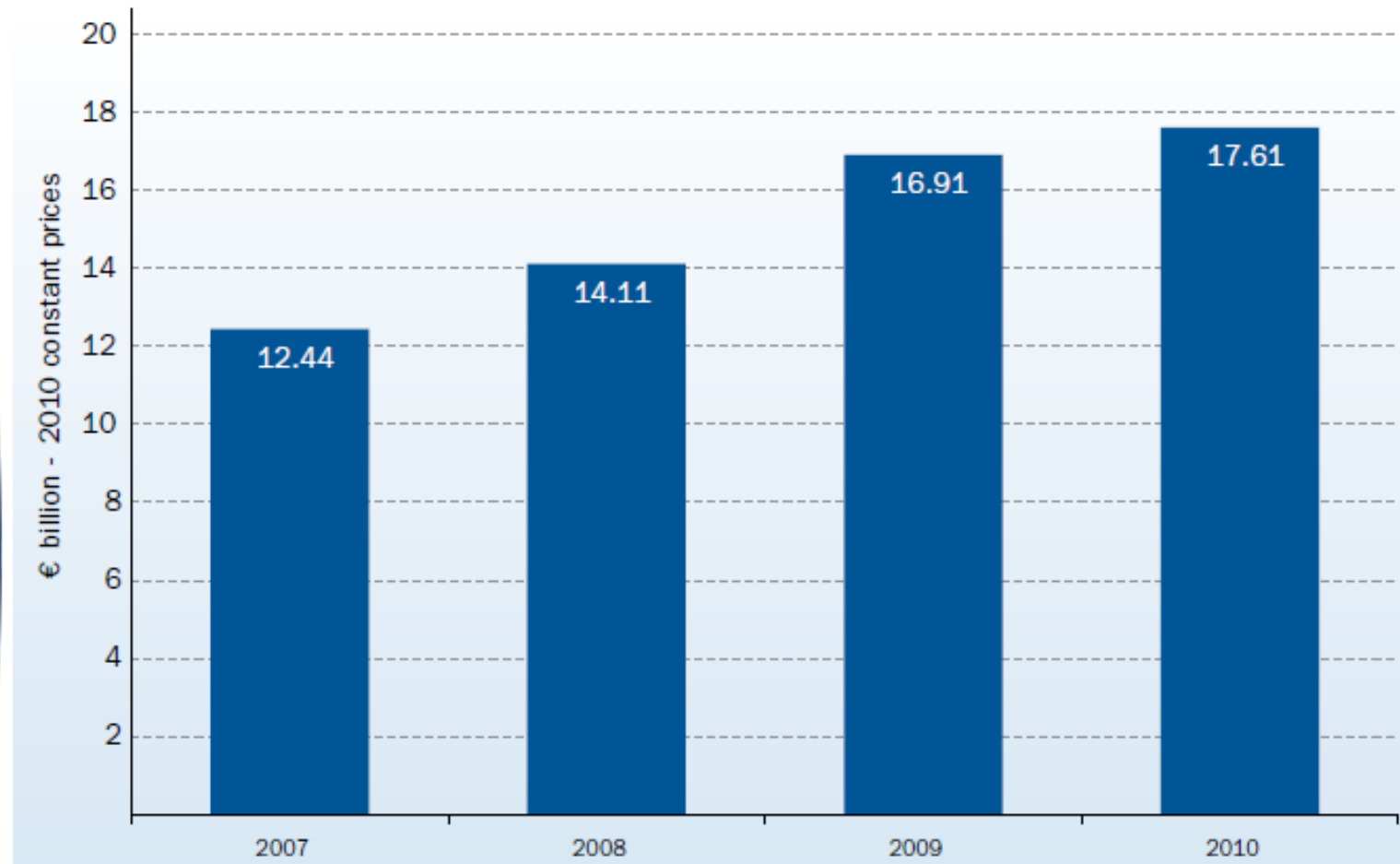


Power production in EU (GW)

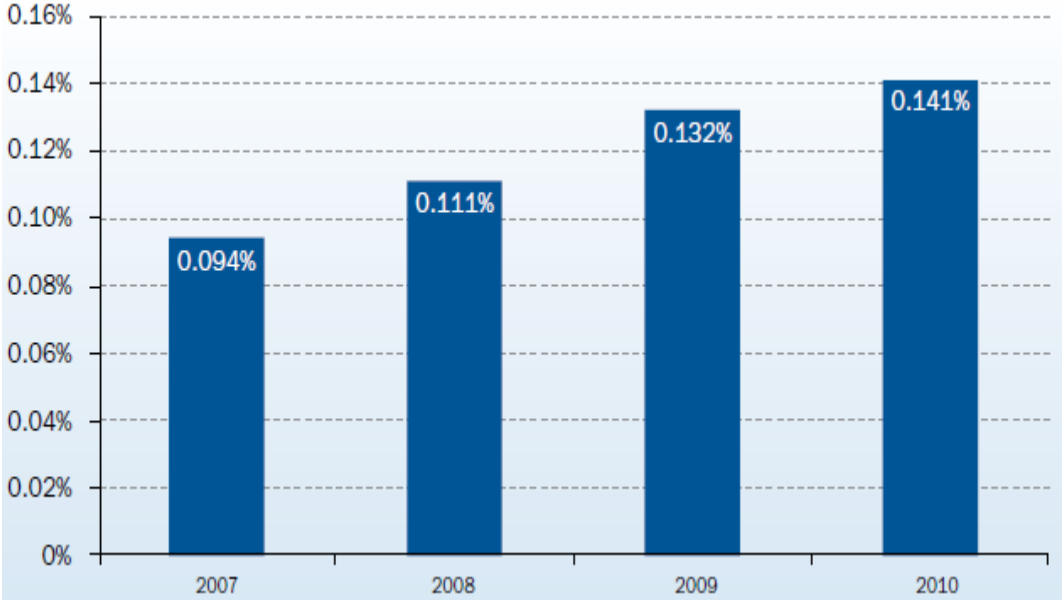


Direct contribution to GDP_{1/3}

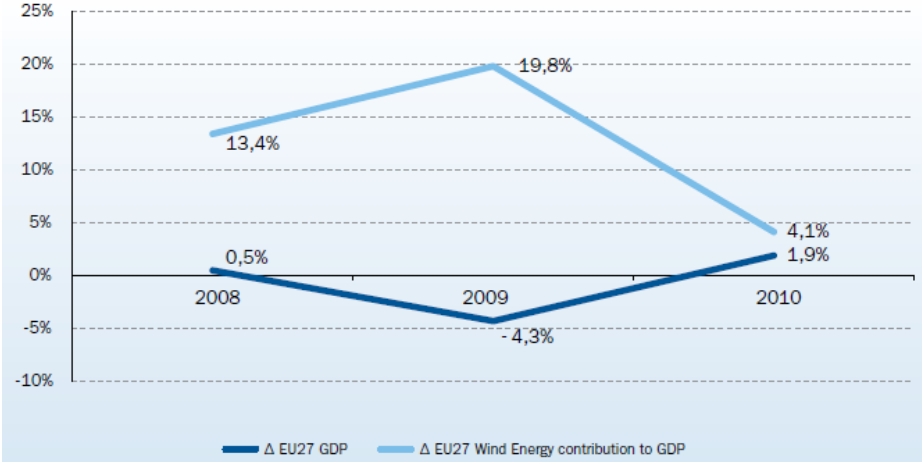
Wind energy's contribution to GDP.



Direct contribution to GDP ^{2/3}



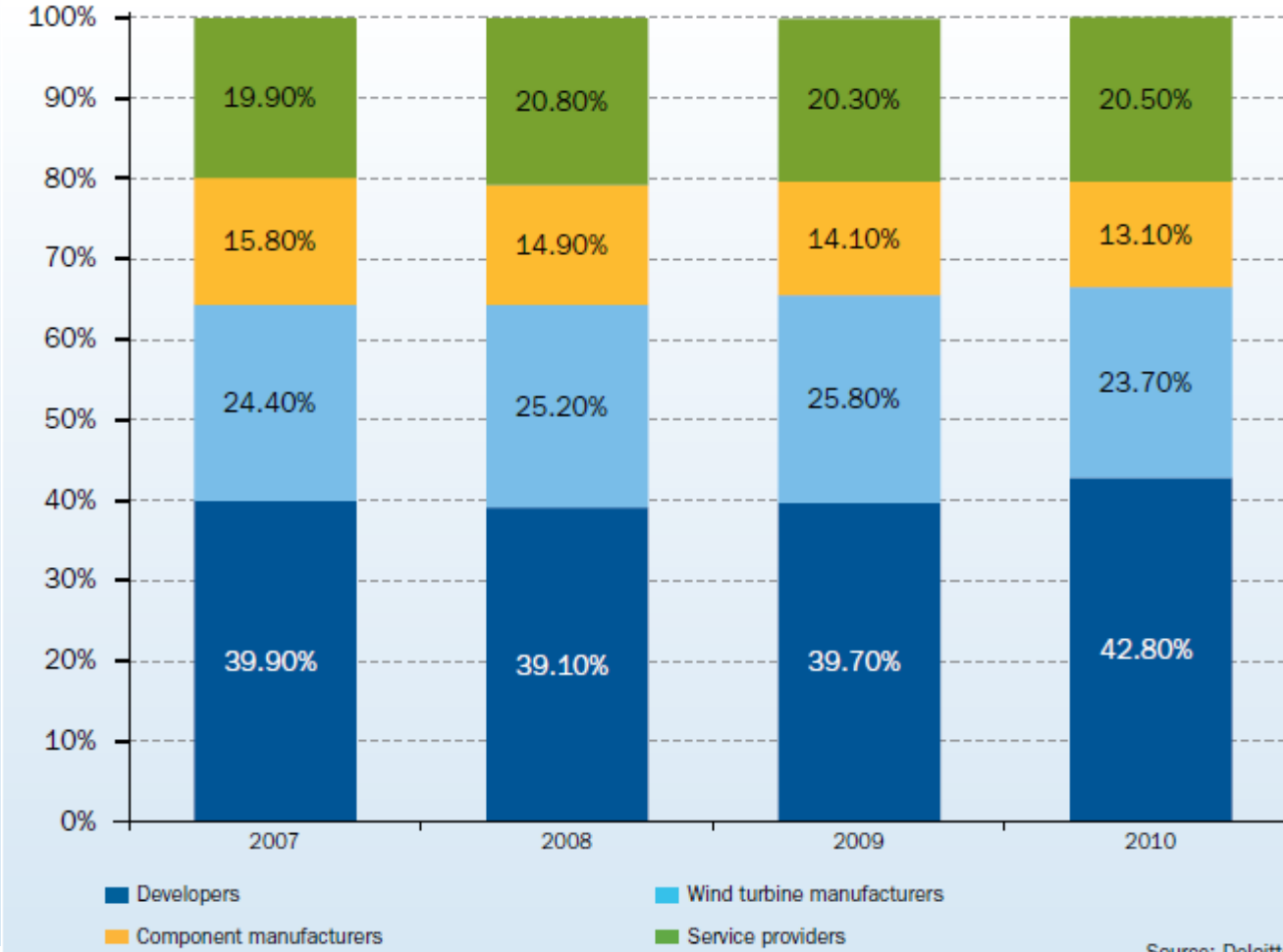
Wind energy's share of EU GDP and growth compared to EU GDP



Direct contribution to GDP ^{3/3}



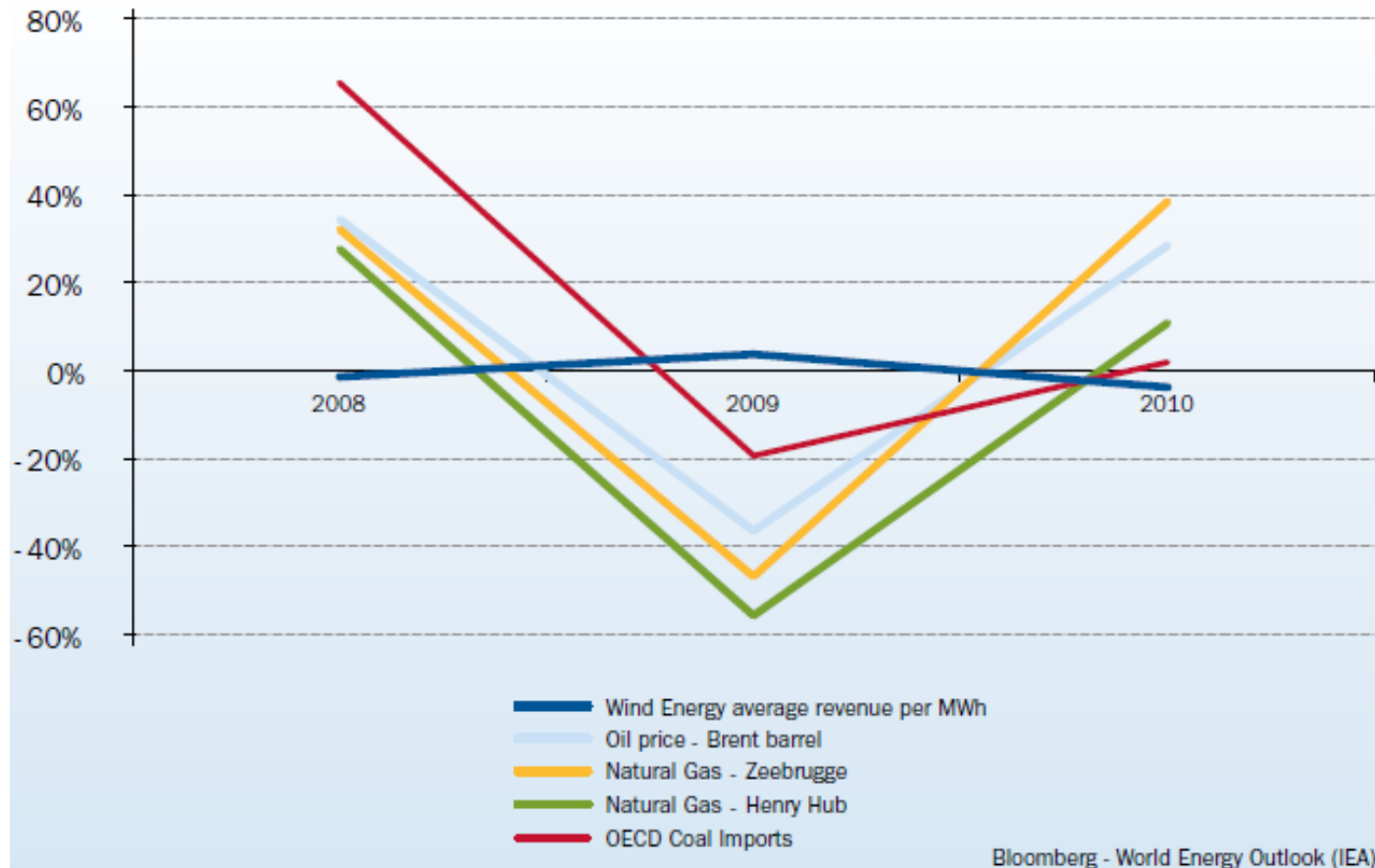
Subsectors



By the way



Wind electricity selling price and fuel prices

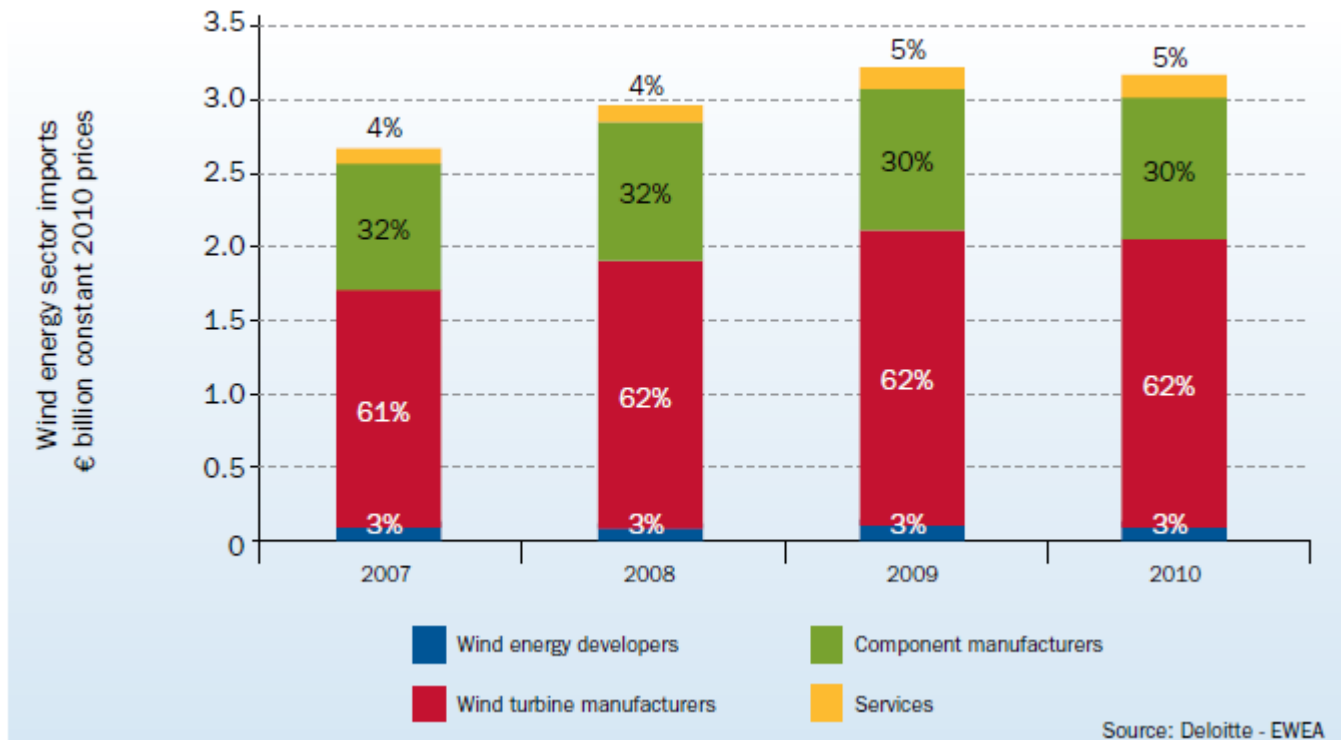


Exports vs Imports



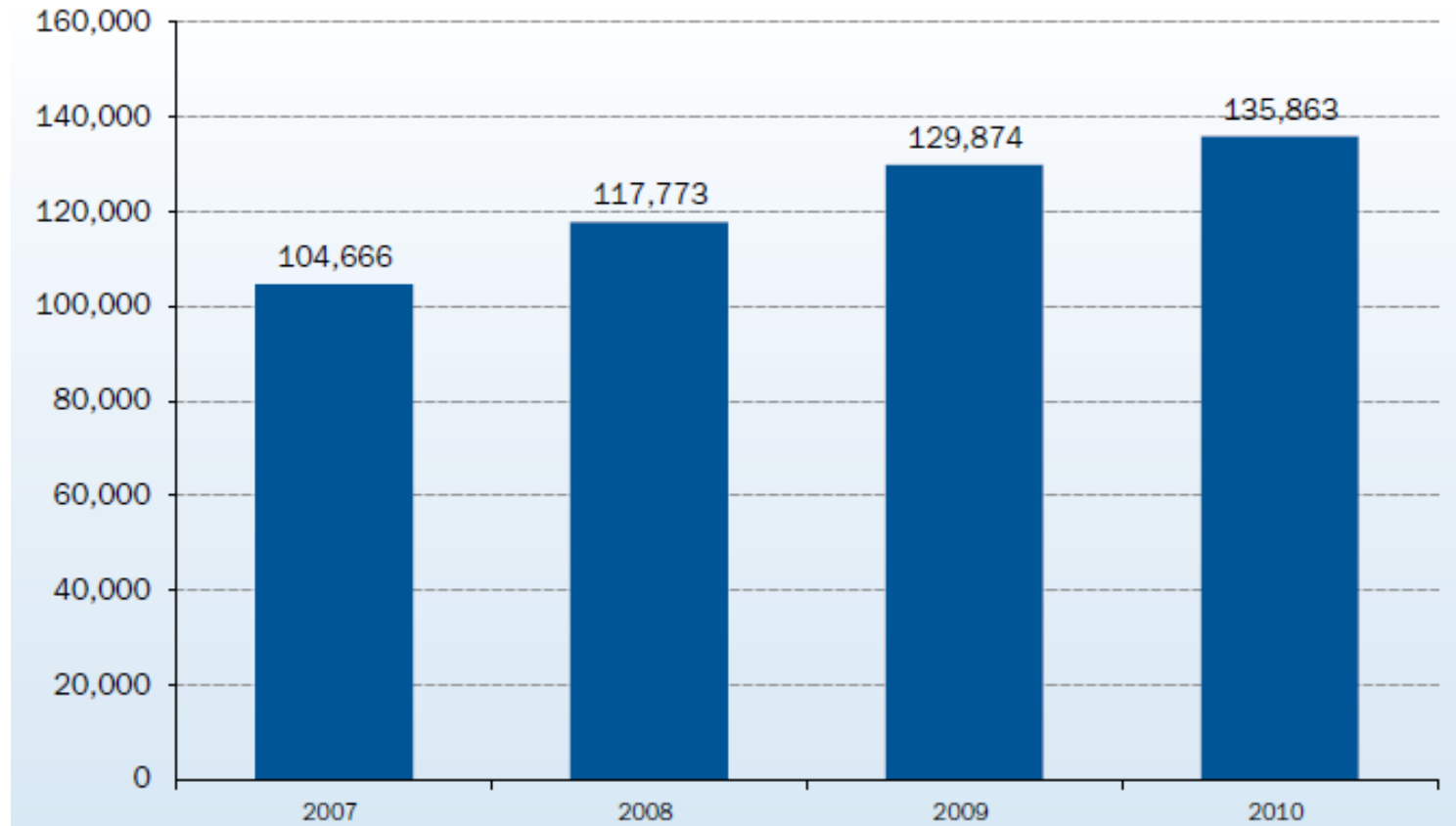
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€ bn	2007	2008	2009	2010
Exports	6,6	7,8	8,5	8,8
Imports	2,7	3,0	3,2	3,2
Balance	3,9	4,9	5,3	5,6

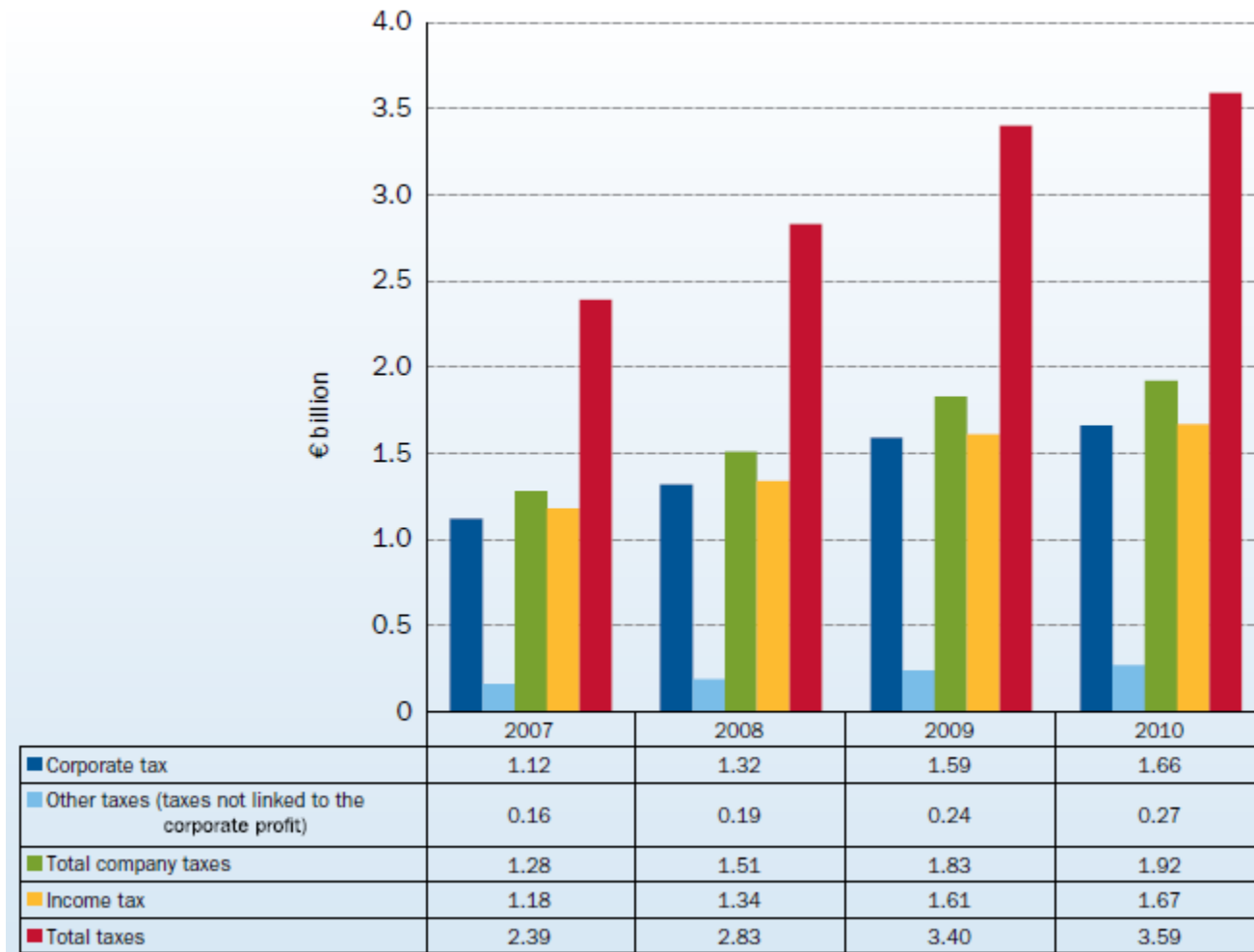


Direct jobs

Direct employment in EU wind energy sector



Taxes paid by EU wind industry

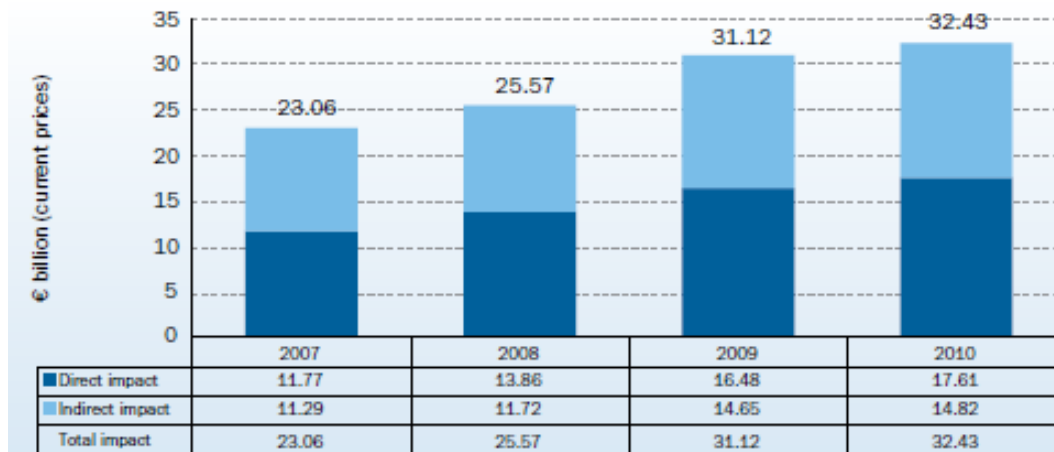


Overall economic impact ^{1/3}

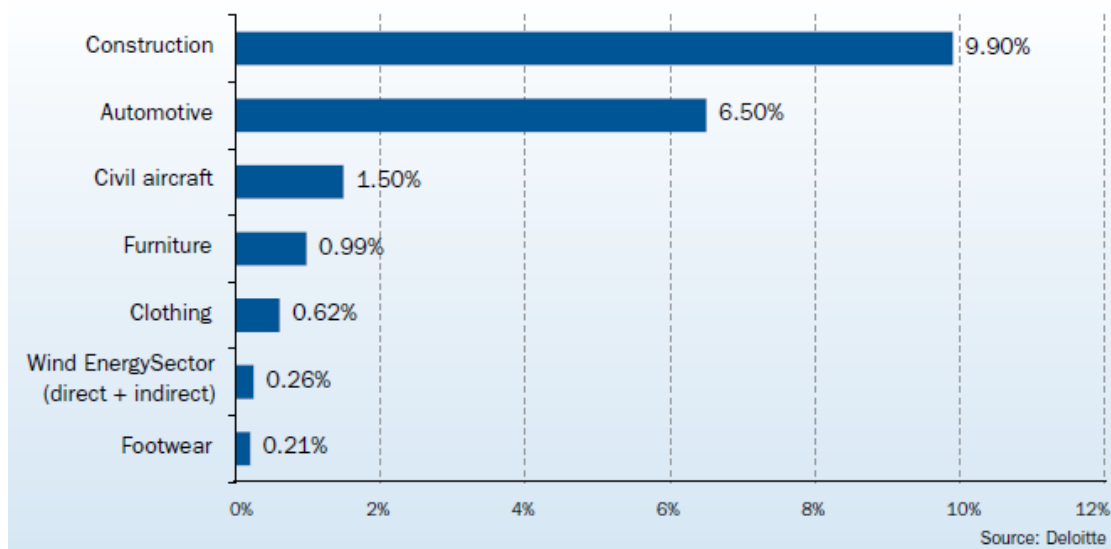


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Overall contribution to GDP

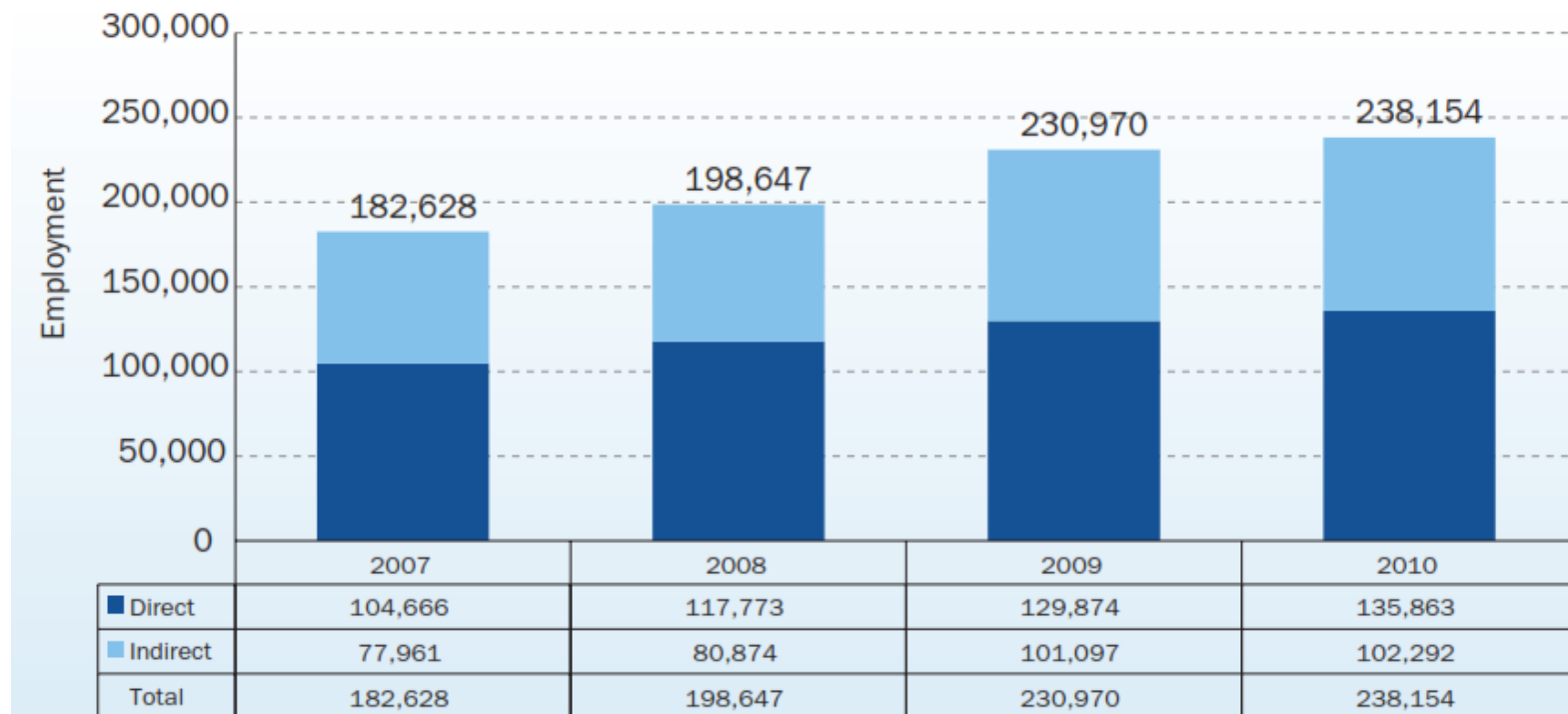


Share of GDP



Overall economic impact 2/3

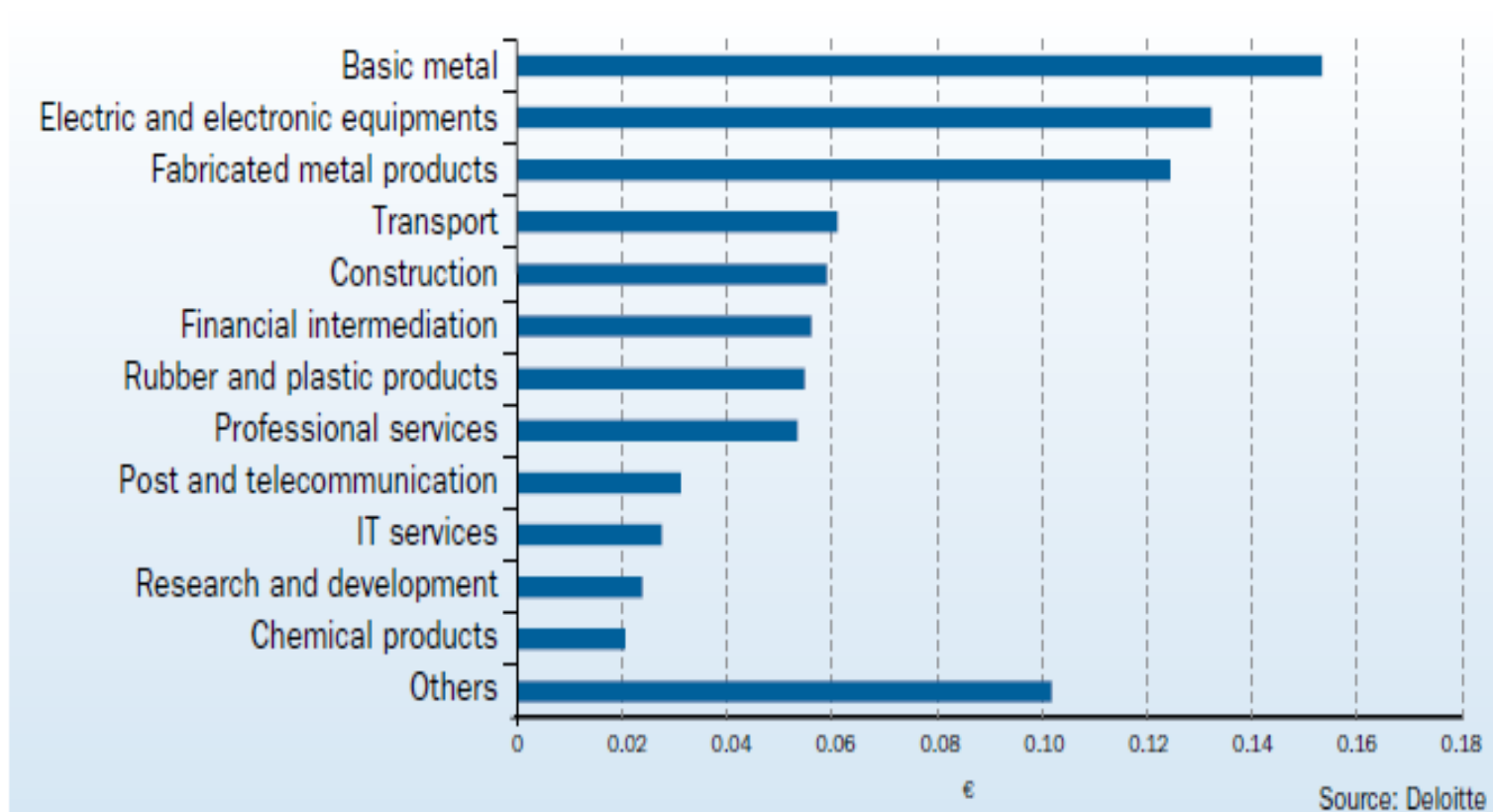
Overall contribution to employment



Source: Deloitte

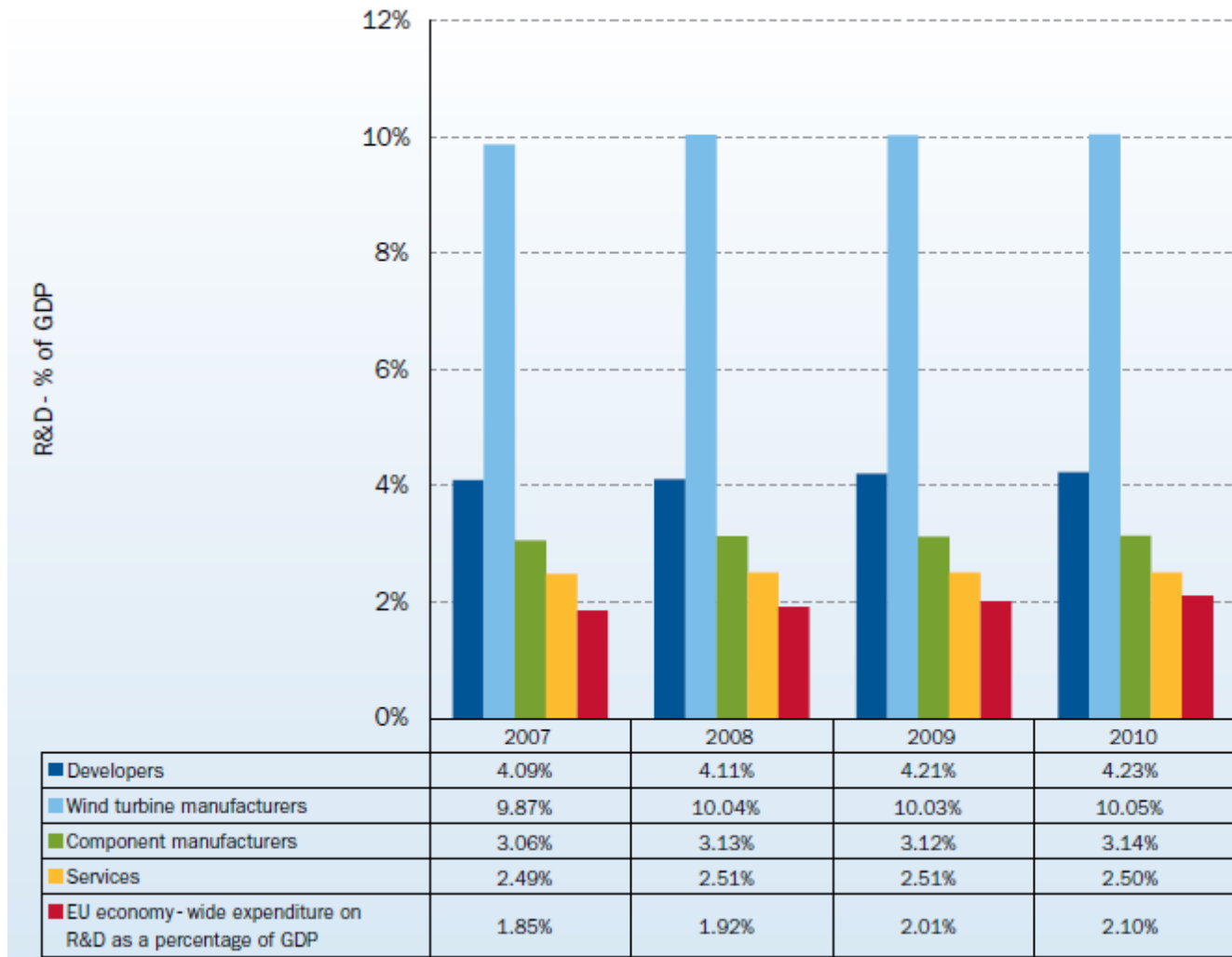
Overall economic impact ^{3/3}

Impact of 1 wind € on rest of the economy



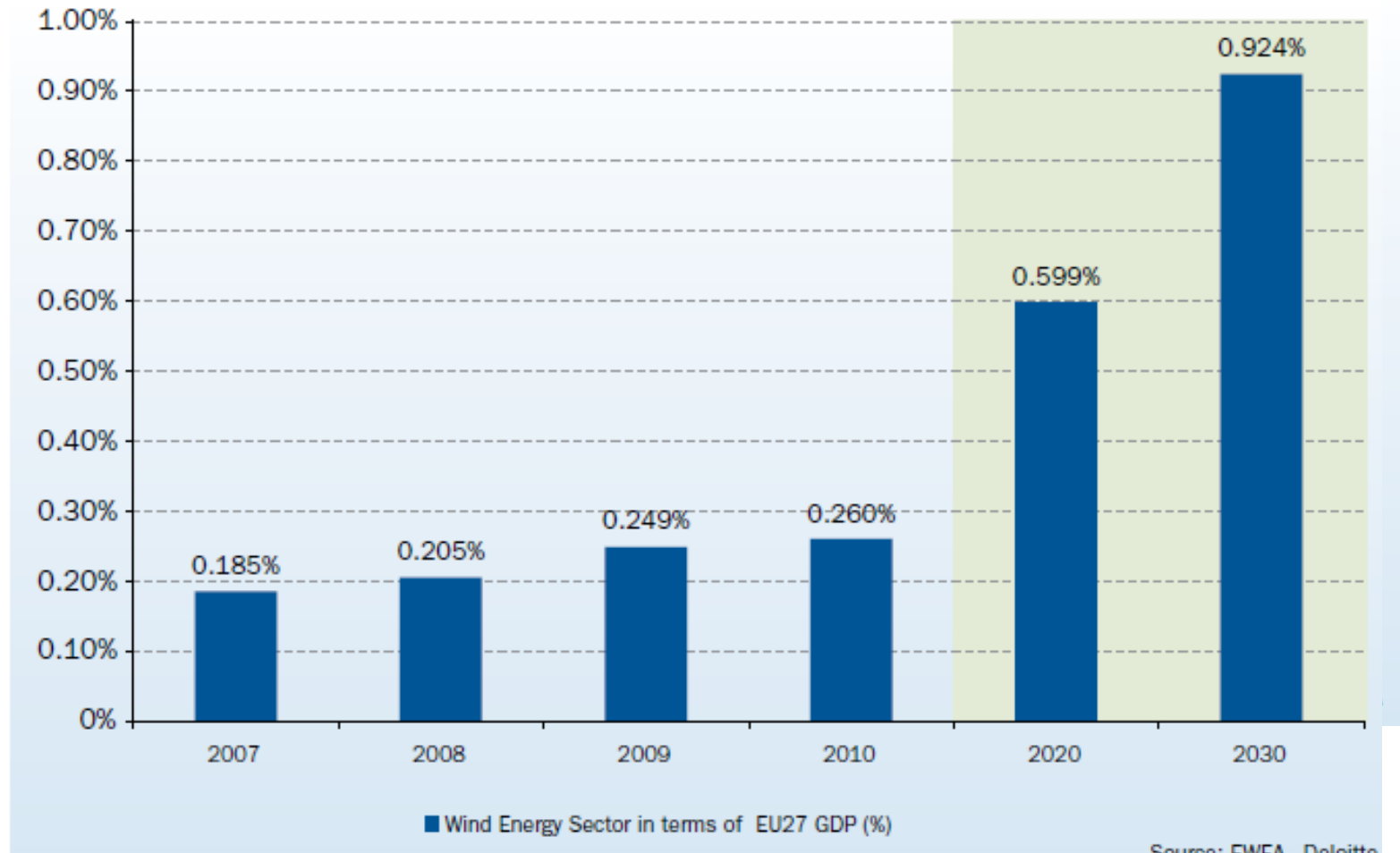


Wind energy and economy-wide expenditure in R&D



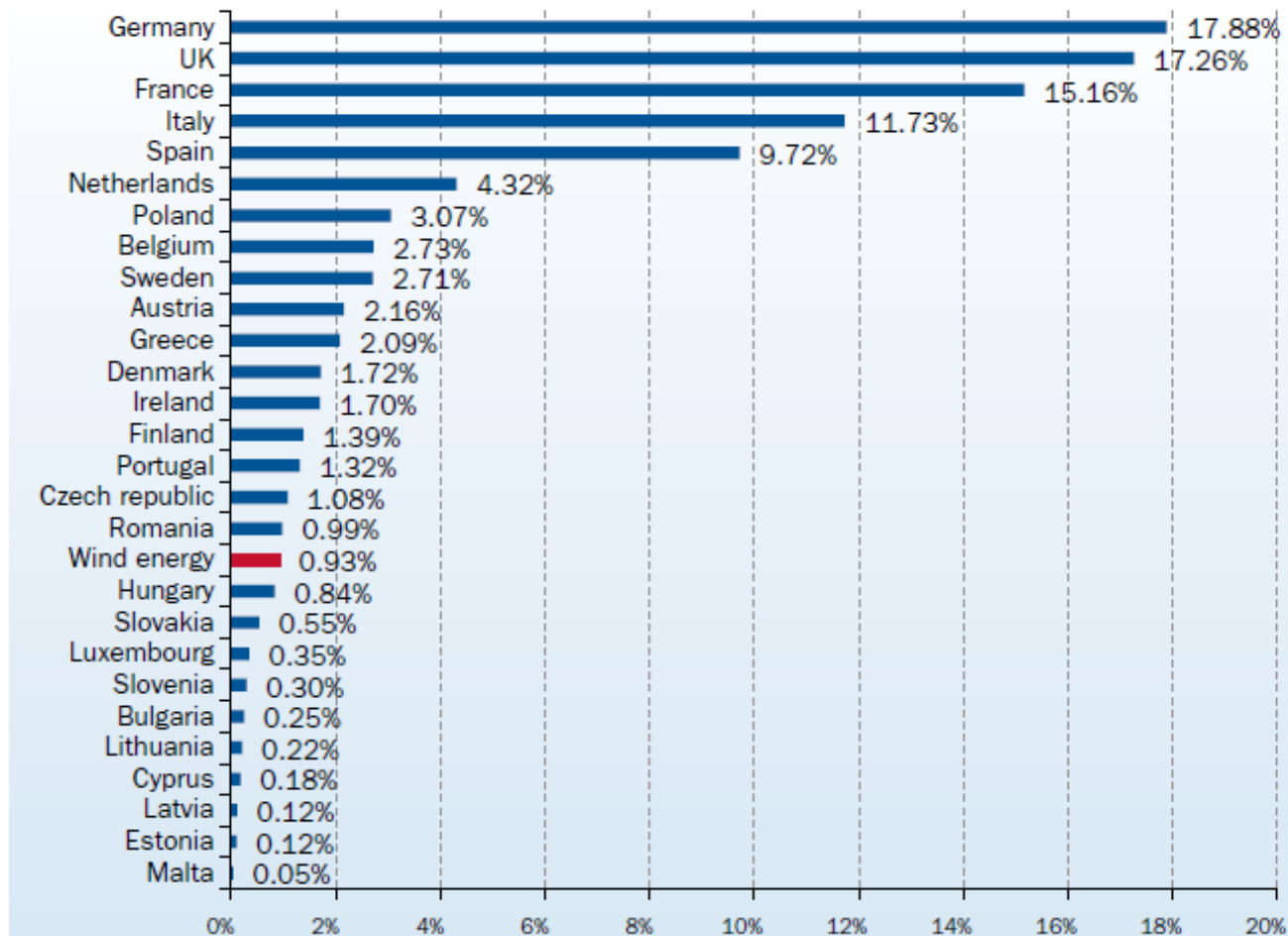
Forecast 2020 and 2030 ^{1/3}

Contribution to EU GDP



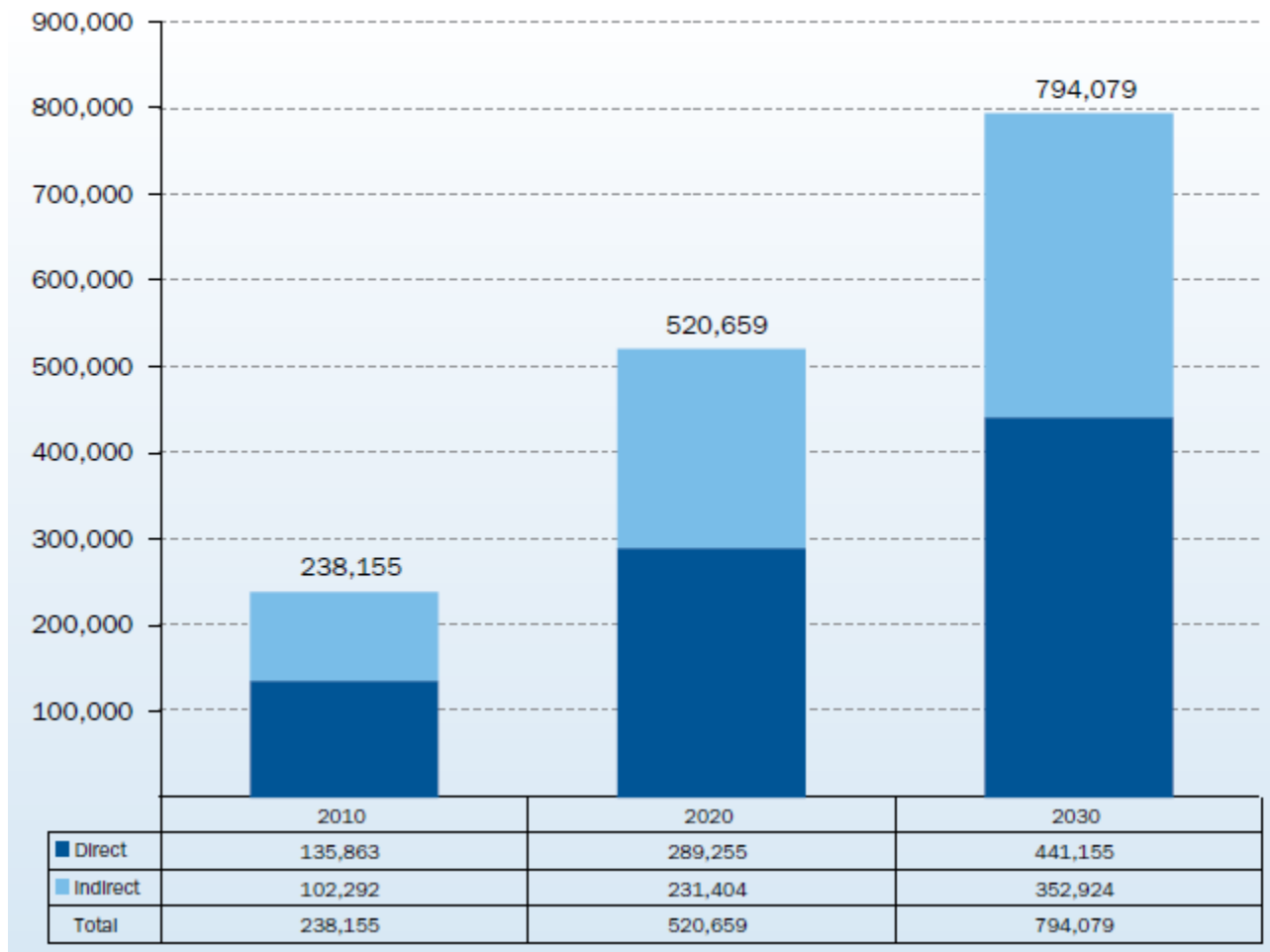


Contribution to EU GDP in 2020 and 2030





Contribution to employment





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Thank you

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