

Europe facing peak oil

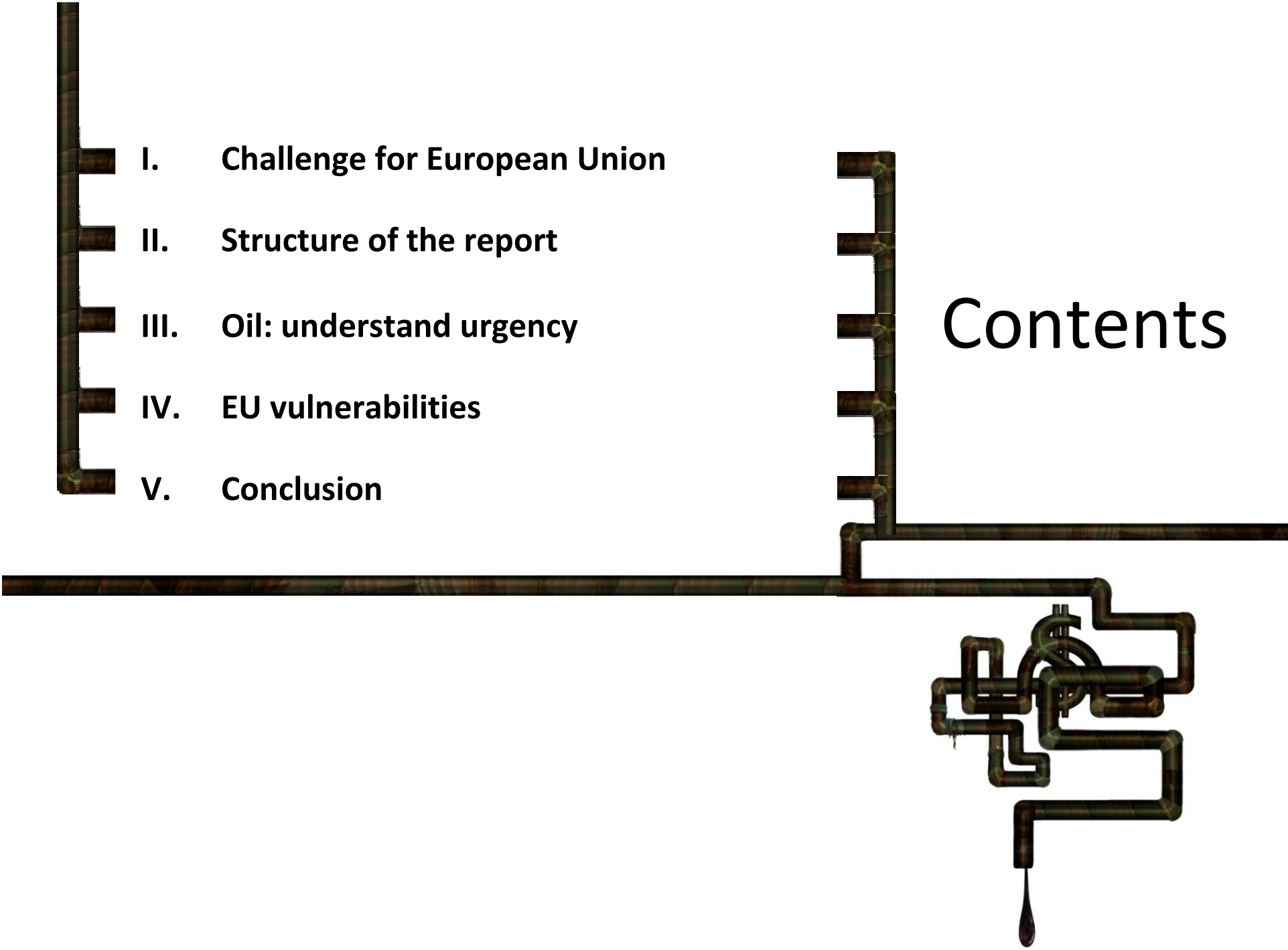
European Parliament

November 15th 2012

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<http://peakoil-europaction.eu/>



- 
- A decorative graphic made of dark, metallic-looking pipes. It starts with a vertical pipe on the left, has five horizontal branches extending to the right, and then continues as a horizontal pipe. This horizontal pipe turns downwards on the right side, forming a complex, tangled loop before ending in a single drop of dark oil.
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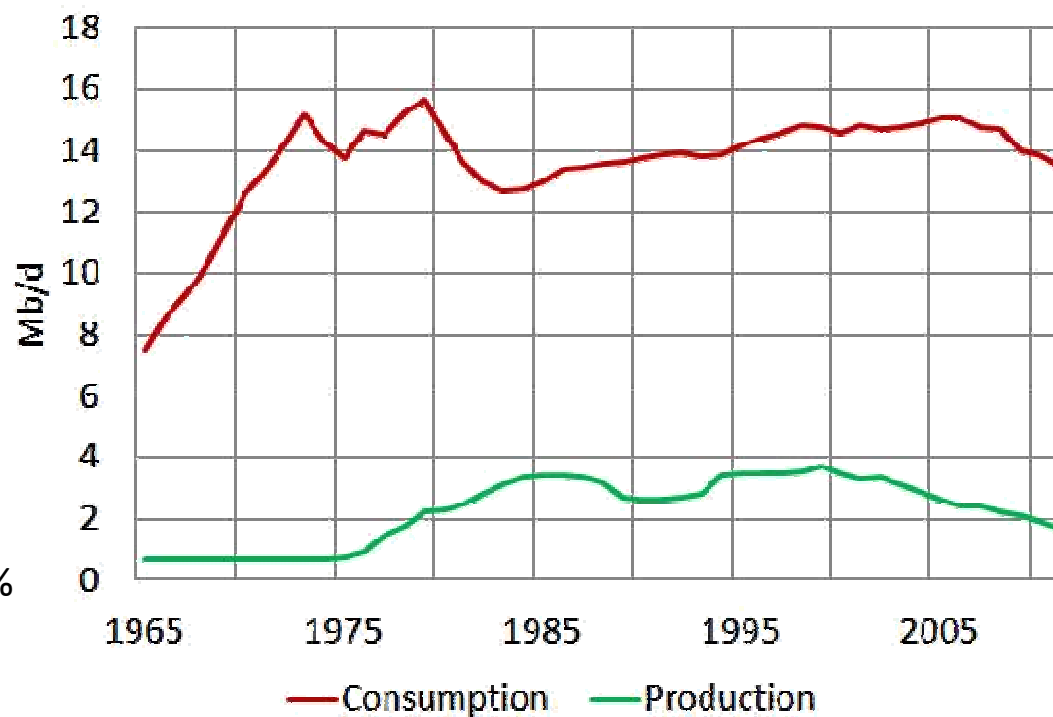
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EU27 oil balance



Proved reserves: 6 Gb

of which UK: 50%

Denmark, Romania, Italy: 30%

Netherland, Germany, Poland, Spain: 15%

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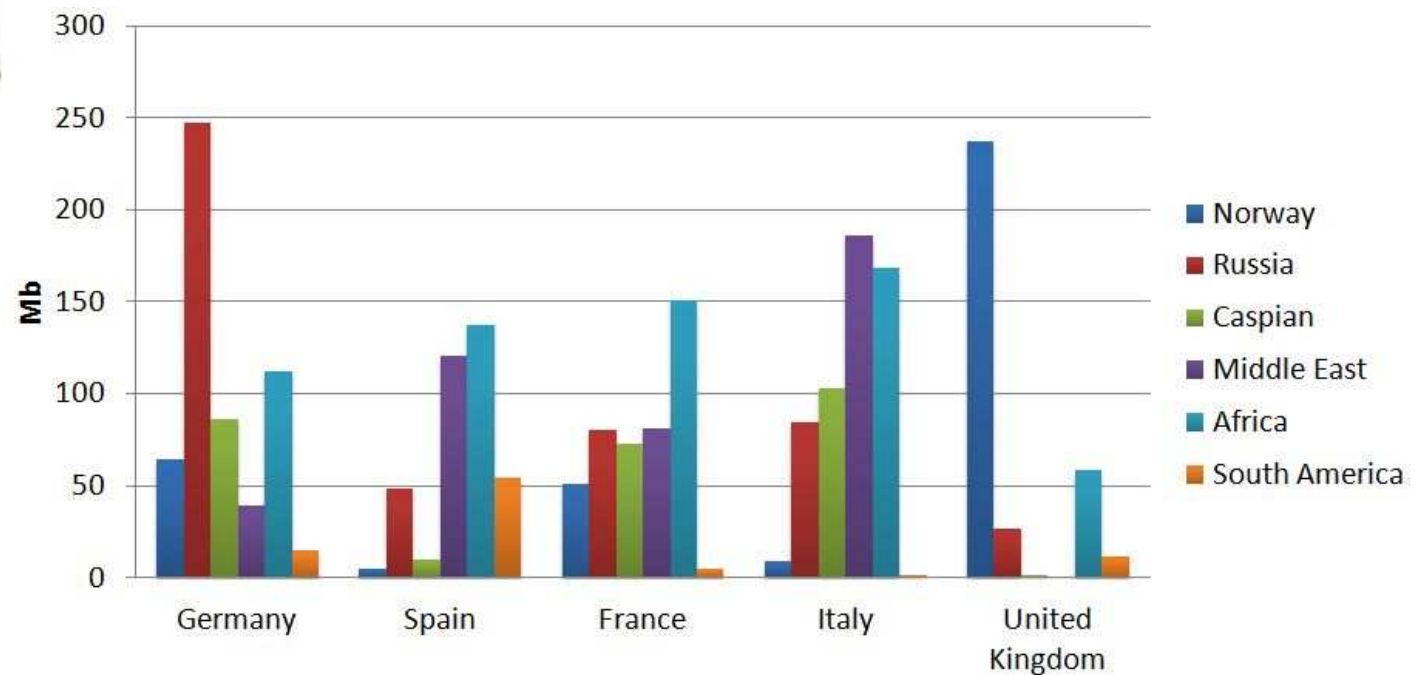
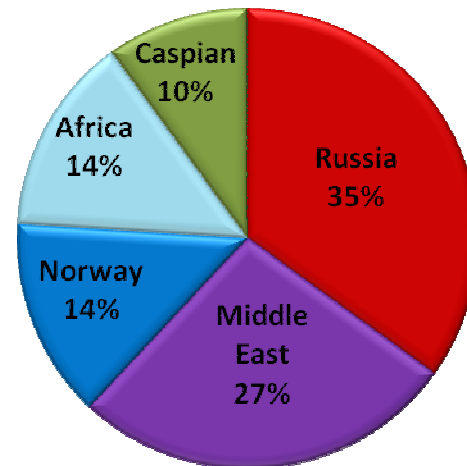
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EU27 oil imports



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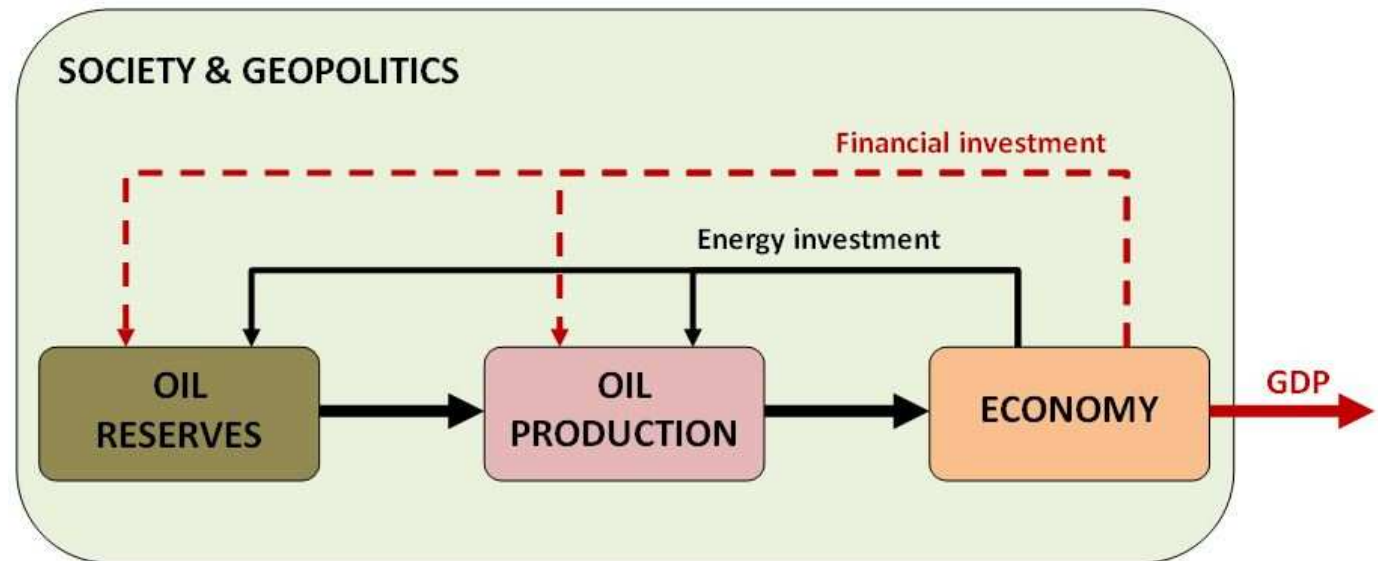
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Structure of the report



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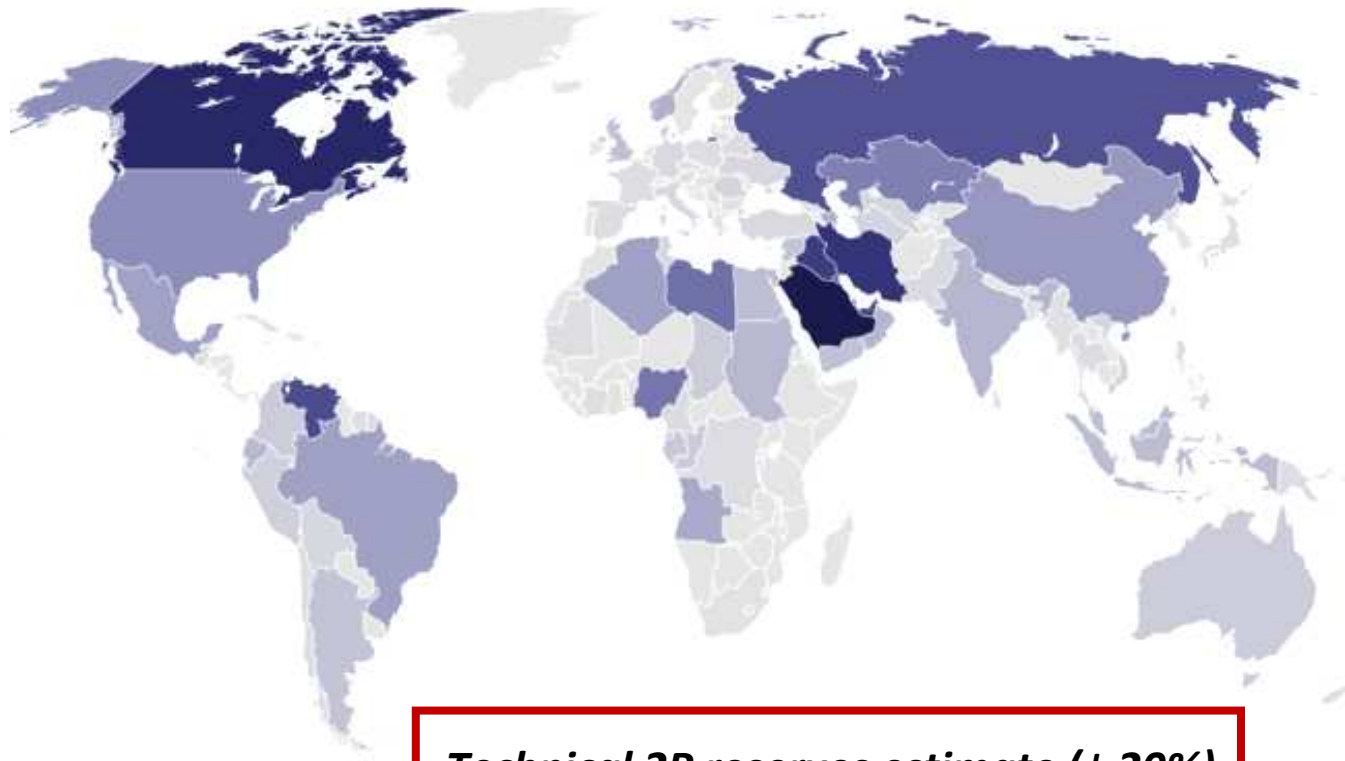
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World oil reserves



Technical 2P reserves estimate ($\pm 20\%$)

Crude oil: 1000 Gb

Extra-heavy oil: 500 Gb

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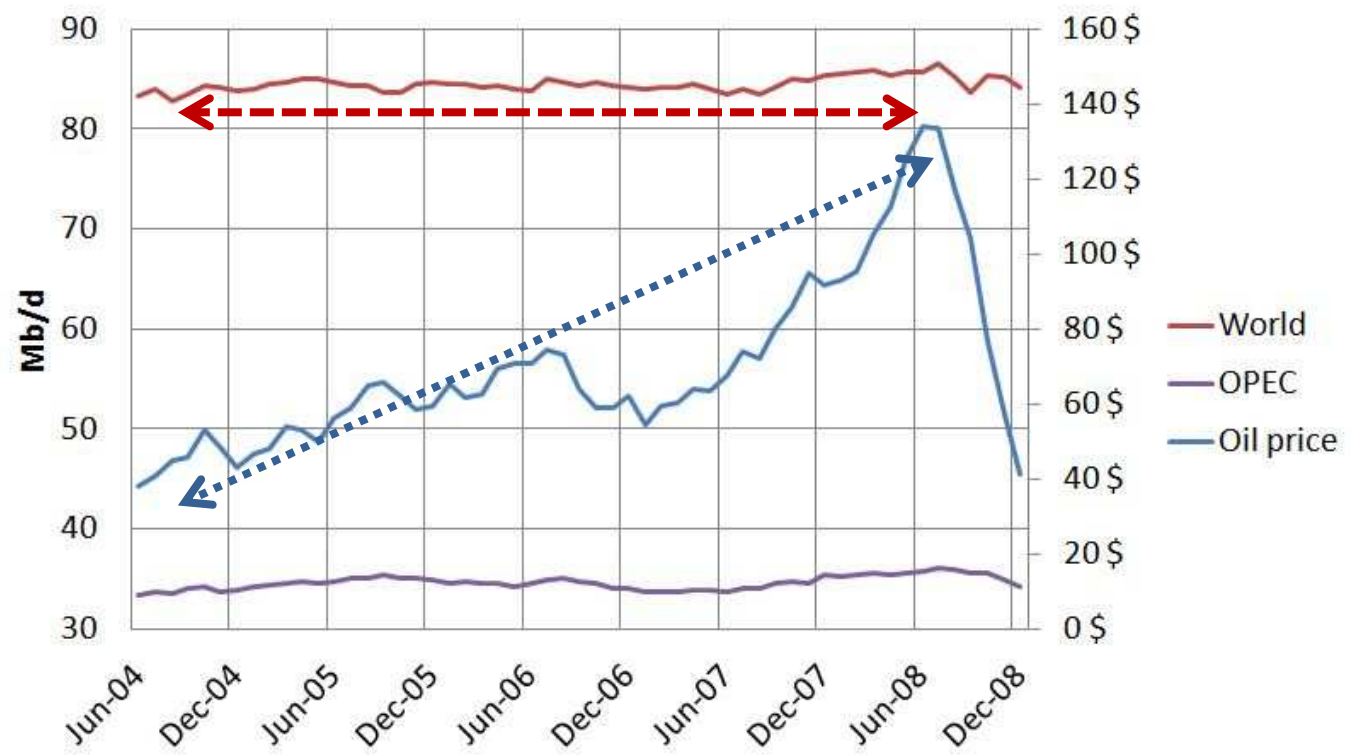
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2008 oil shock



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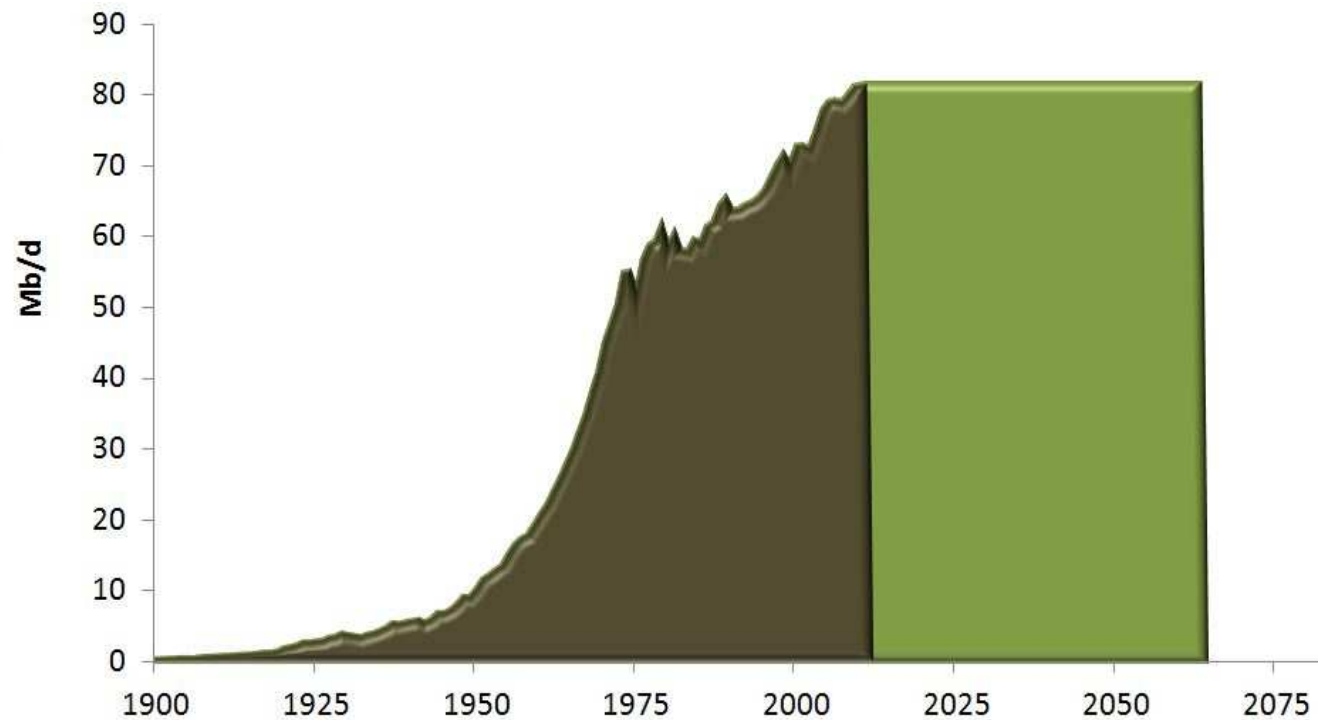
IV. EU vulnerabilities

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World oil production forecast

R/P ratio

$1500 / 32 = 47 \text{ years}$



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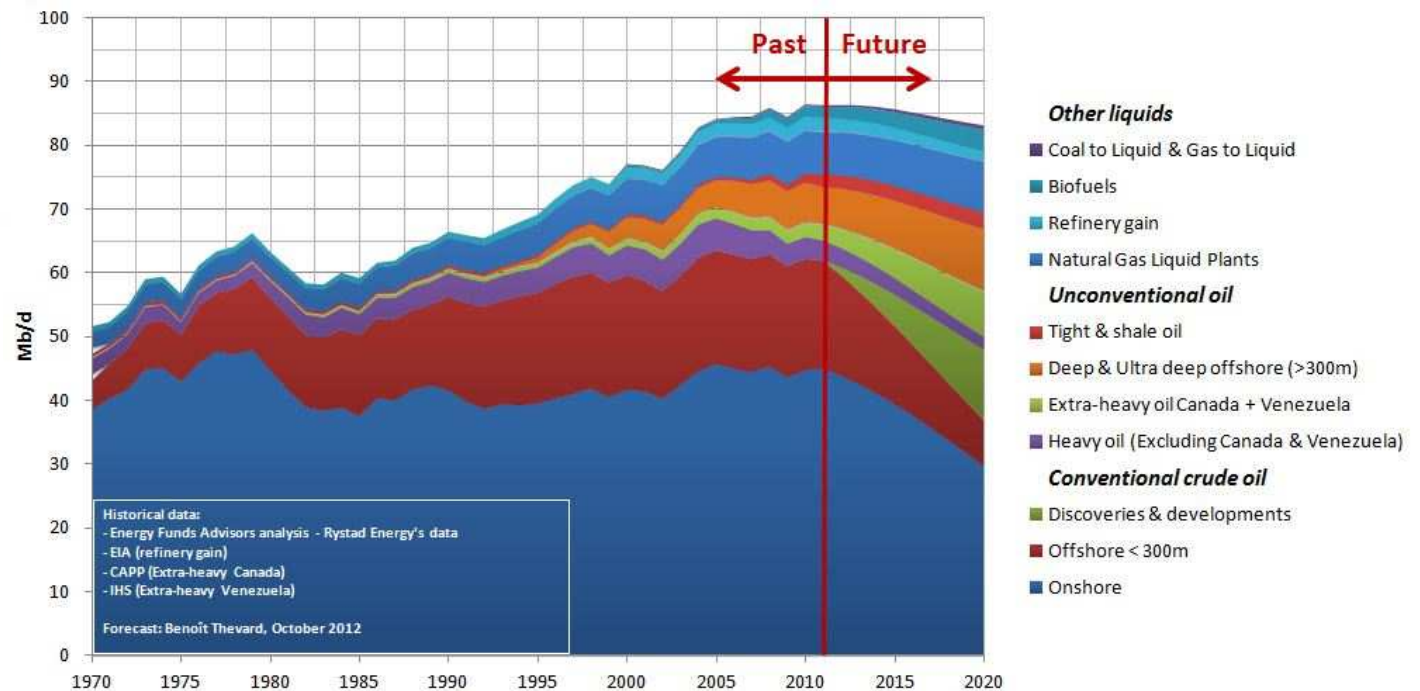
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World oil production forecast

Central forecast results:

End of production plateau: **2014**

World oil production capacity in 2014: **86 Mb/d**



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Net energy available for society

ERoEI

Produced Energy

Energy production

Society

Net energy

*Minimum global ERoEI
for industrial society:
8-10*

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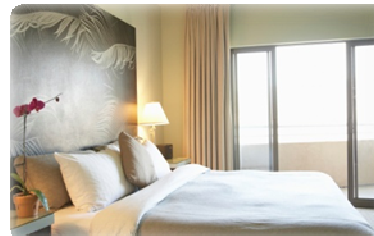
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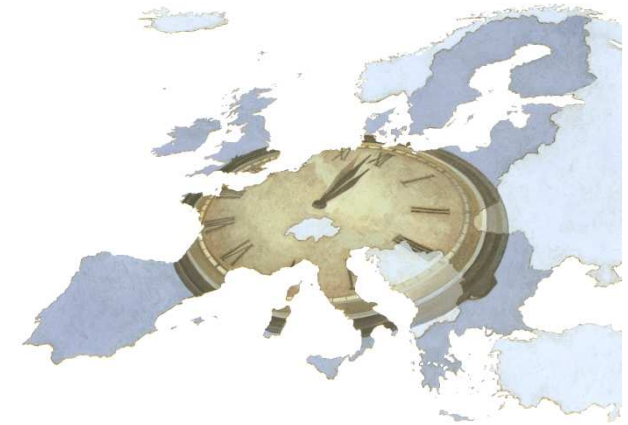
Vulnerable sectors



which ones are not vulnerable ?



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Conclusion

Decline in world oil production before 2020

Without a deep reorganization, EU will be **more and more subjected to energy constraint**

Price of denial and passivity will be much more important than **price of anticipation**

Citizens mobilization could give a new sense to collective action in this crises climate

Thank you

To download report and appendix:
<http://peakoil-europaction.eu/>

