Europe facing peak oil

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Europe facing peak oil

I. Challenge for EU
II. Structure of the report
III. Oil: understanding the urgency
IV. EU vulnerabilities
V. Conclusion

Proved reserves: 6 Gb
of which UK: 50%
Denmark, Romania, Italy: 30%
Netherland, Germany, Poland, Spain: 15%

Data: BP statistical review 2012
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EU27 oil imports

- Russia: 35%
- Middle East: 27%
- Norway: 14%
- Africa: 14%
- Caspian: 10%

Graph showing oil imports by country and destination for Germany, Spain, France, Italy, and the United Kingdom.
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SOCIETY & GEOPOLITICS

OIL RESERVES → OIL PRODUCTION → ECONOMY

Financial investment

Energy investment

GDP
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Technical 2P reserves estimate (± 20%)

Crude oil: 1000 Gb
Extra-heavy oil: 500 Gb
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R/P ratio

1500 / 32 = 47 years
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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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Minimum global ERoEI for industrial society: 8-10

Net energy available for society

ERoEI

Energy production

Produced Energy

Society

Net energy
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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/