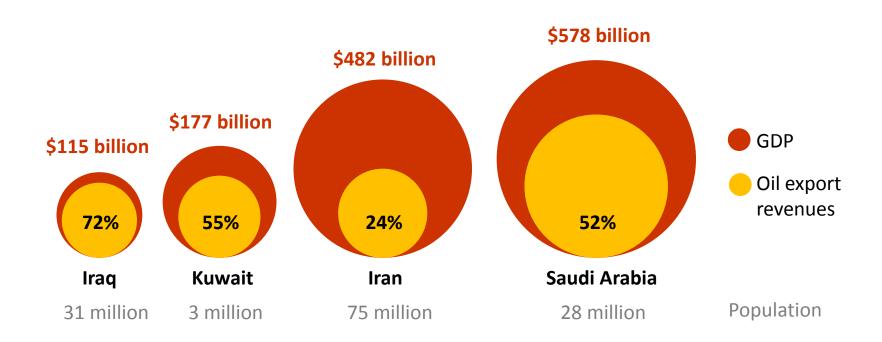


Iraq: the energy context

- Oil & natural gas resources are immense & the costs of production are among the lowest in the world
- Already the world's 3rd largest oil exporter, with plans to expand oil & natural gas production rapidly
- Natural gas is an under-utilised resource more than half of the natural gas produced is flared
- Catching up & keeping pace with rising demand for electricity is critical to national development
- Energy infrastructure & institutions, while improving, continue to be a serious constraint:
 - Legacy of damage & poor maintenance
 - Lack of consensus on governance of the hydrocarbons sector

Oil is the cornerstone of Iraq's economy

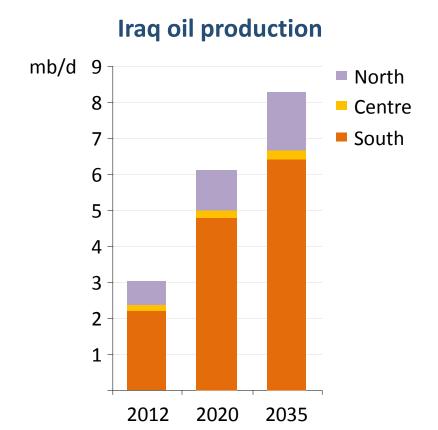
GDP, share of oil export revenues, population in 2011

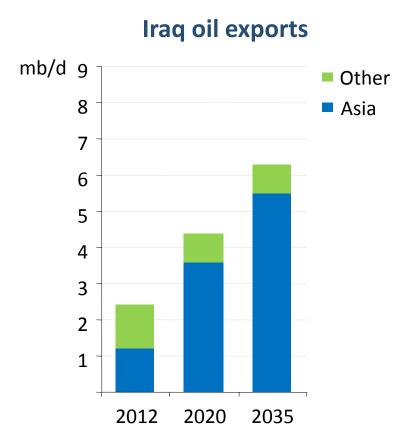


Twin challenges for Iraq are to increase its oil revenues & then to use them to support greater diversification of its economy

Oil is poised for a major expansion

Iraq Special Report





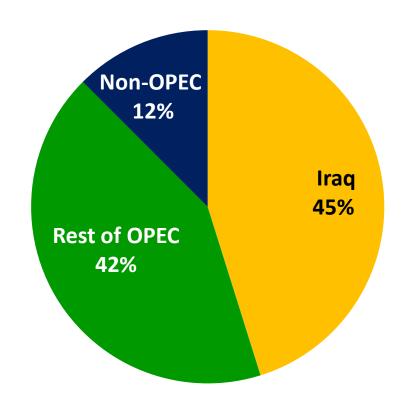
Production more than doubles by 2020 & reaches more than 8 mb/d by 2035, with Iraq becoming a major supplier to Asian markets, especially to China & India

- Political consensus on oil governance & legal framework
- Speed & coordination of investment along the supply chain
 - Avoiding bottlenecks in storage & transportation
 - Sufficient water to support oil production
 - Drilling rigs & expertise
- Iraq's long-term oil & natural gas development strategy
 - ➤ Our High Case of 9 mb/d by 2020 would equal the highest sustained growth in the history of the oil industry
- International market conditions

Iraq leads global oil production growth

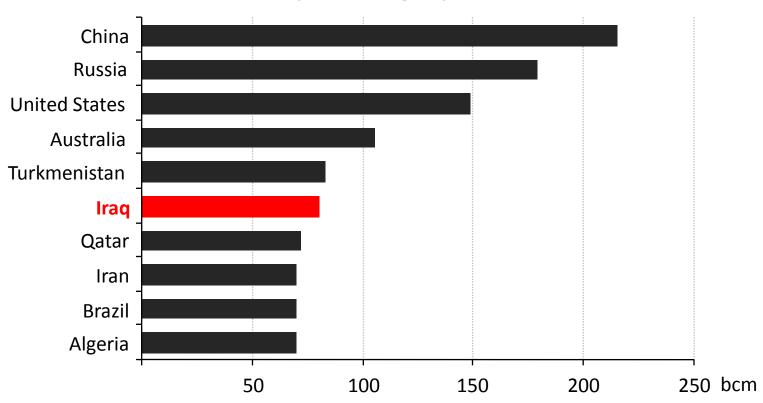
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Growth in oil production, 2011-2035



Iraq accounts for 45% of the growth in global production to 2035; by the 2030s it becomes the second-largest global oil exporter, overtaking Russia

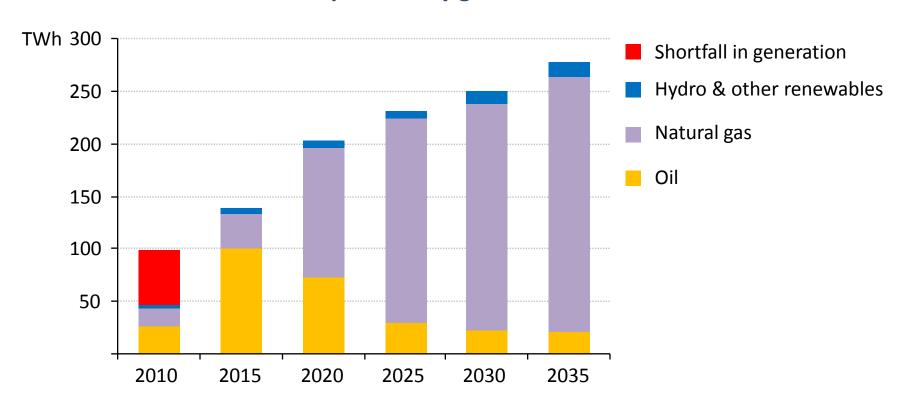
Growth in key natural gas producers, 2011-2035



Iraq can potentially provide a very cost-competitive gas supply by pipeline to neighbouring countries or to Europe and – via liquefied natural gas – to Asia

Catching up with power demand

Iraq electricity generation

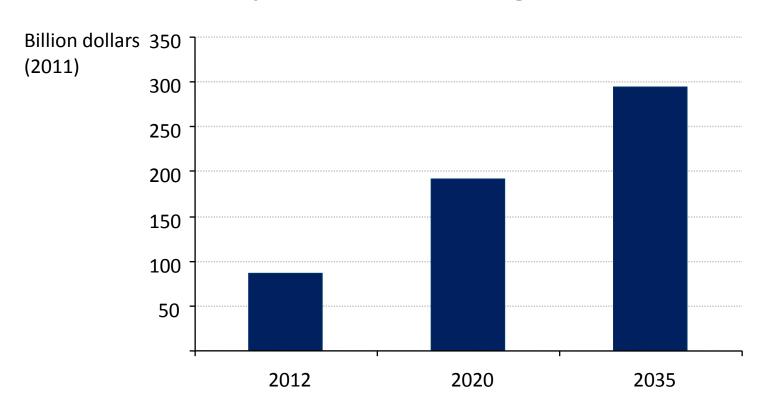


Oil helps to eliminate the power deficit in 2015. But without a longer-term shift to gas-fired power, Iraq would forego more than \$500 billion in oil export revenue

A chance to transform Irag's prospects

Iraq Special Report

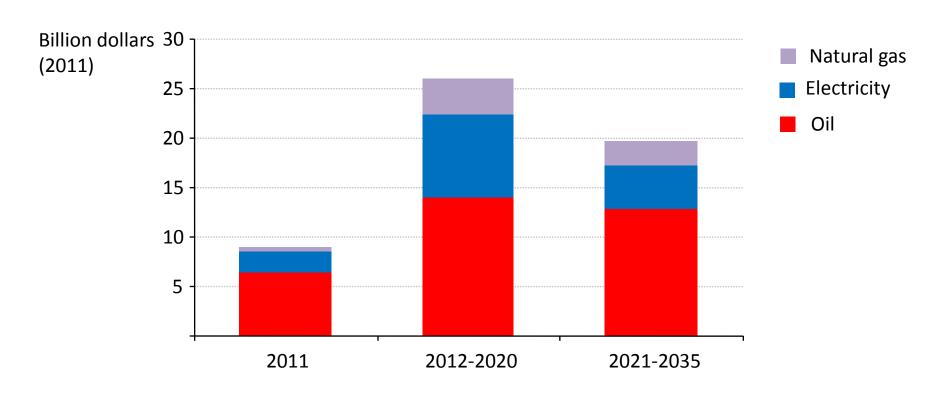
Iraq annual oil and natural gas revenues



\$5 trillion in cumulative export receipts is 10% of all revenues from global oil trade; Iraq's GDP in 2035 rises to the level of Saudi Arabia today

A step-change in energy investment

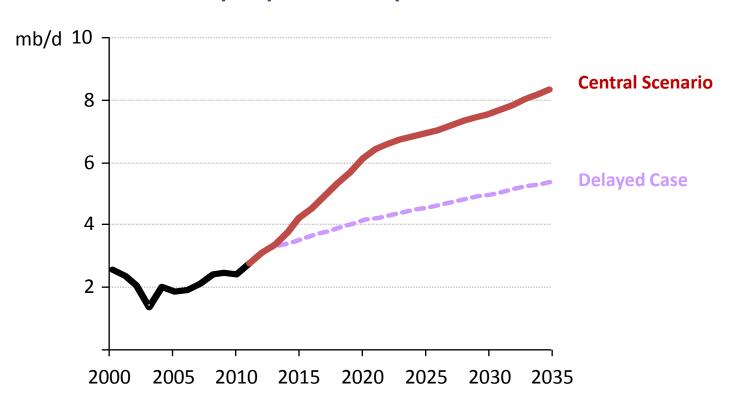
Iraq annual average requirement for energy investment



The overall investment bill of \$530 billion is 10% of oil export revenues, but annual spending needs to increase quickly over the current decade

Delay would come at a high price

Iraq oil production profiles



If investment & oil production growth is delayed then global oil markets tighten, with prices \$15 higher in 2035, & Iraq's cumulative GDP would be \$3 trillion lower

- With 45% of the anticipated growth in global production to 2035, Iraq is key to the long-term outlook for oil markets
- Successful oil & gas development requires a shared vision for the sector & efforts to coordinate investment all along the supply chain
- Delay would come at a high cost to Iraq and to international markets
- **■** Productive use of natural gas is critical to a healthy domestic balance
- Oil export revenues can provide the foundations for a prosperous Iraq