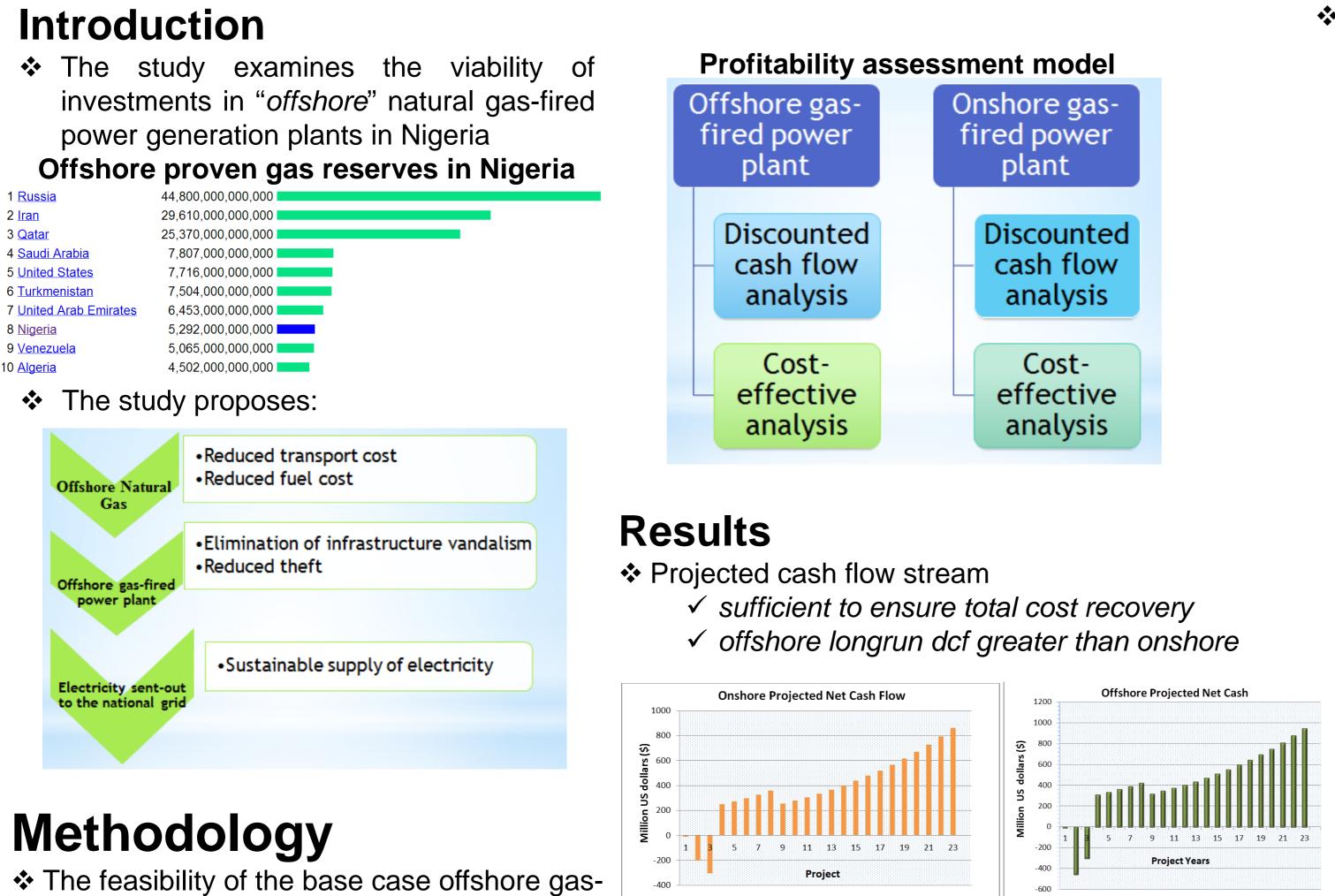
An Economic Study of the Profitability of a Gas-fired Power Plant in the **Gulf of Guinea, Nigeria**

Patricia Obi

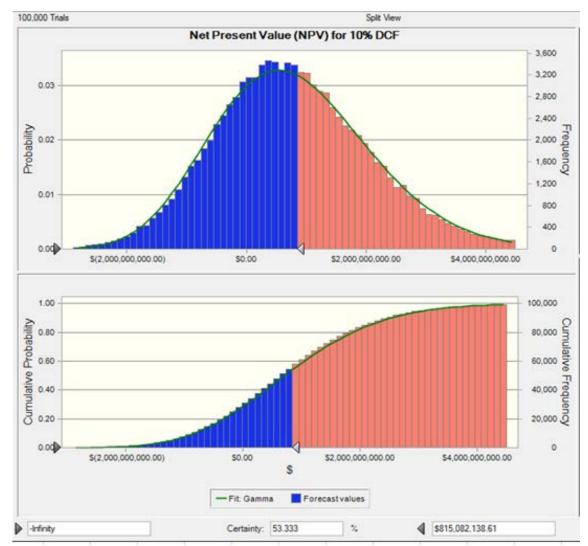


fired power plant was measured against a conventional onshore plant



Monte Carlo simulation on wholesale electricity price

✓ 53% certainty of a gain from investment



Conclusion

- The results suggest that investments in offshore gas-fired power plants are economically viable
- The wholesale price of electricity and the volume of electricity sent-out from the power station grossly affect the profitability of the investment
- The government needs to ensure that the electricity price regime is properly regulated, so as to ensure return of investments

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