

Norwegian gas to Europe

UNECE, Geneva 28 March 2017

The Norwegian gas infrastructure – built to supply Europe

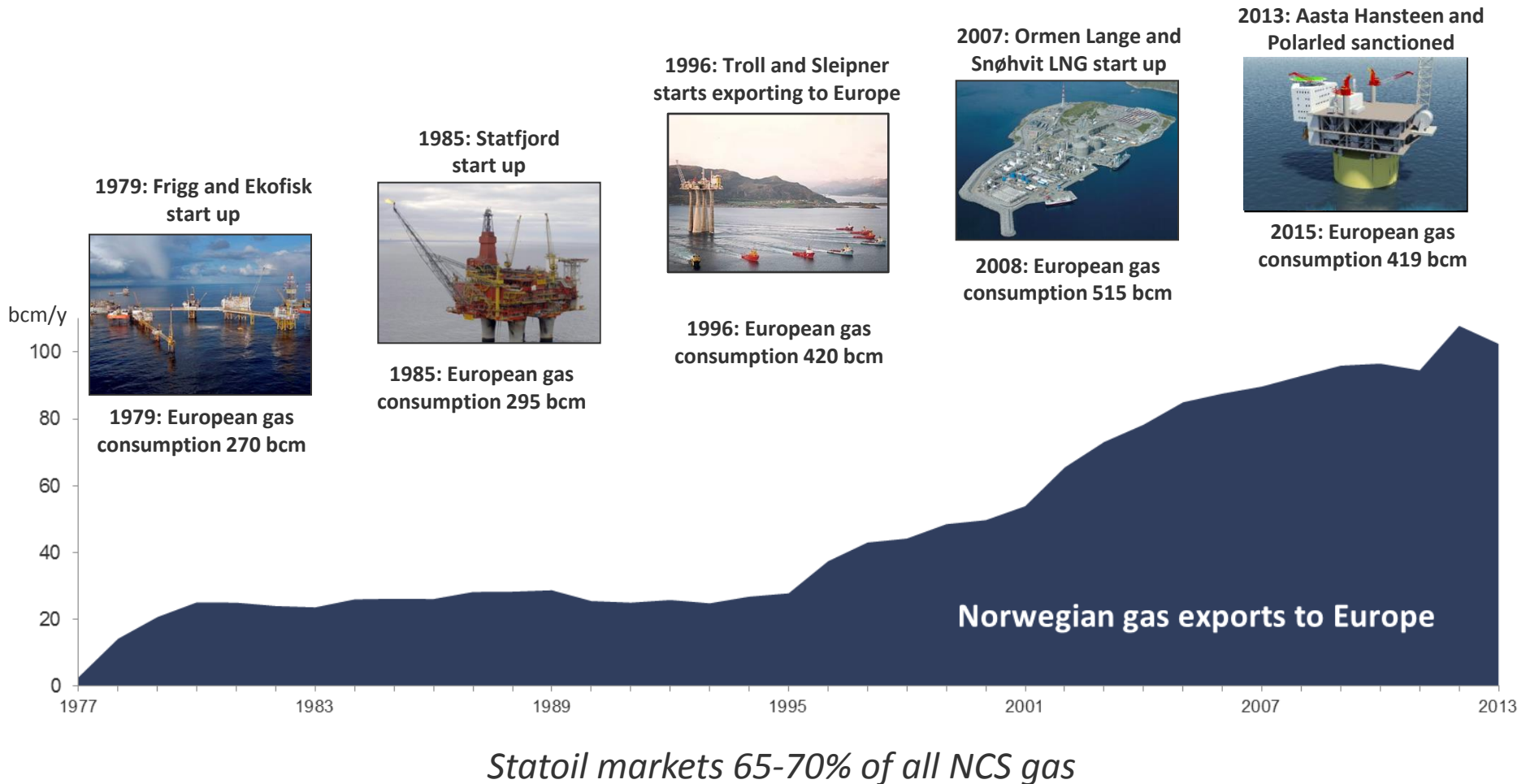
Norwegian Continental Shelf

- Second largest supplier to Europe
- Largest supplier to North West Europe
- ~ 7 800 kilometres pipelines
- ~ 110 billion cubic metres p.a.
- ~ 44 developed fields
- 7 European landing points
- 5 European markets
- 1 LNG production facility



Source: Gassco

Development of Norwegian gas exports

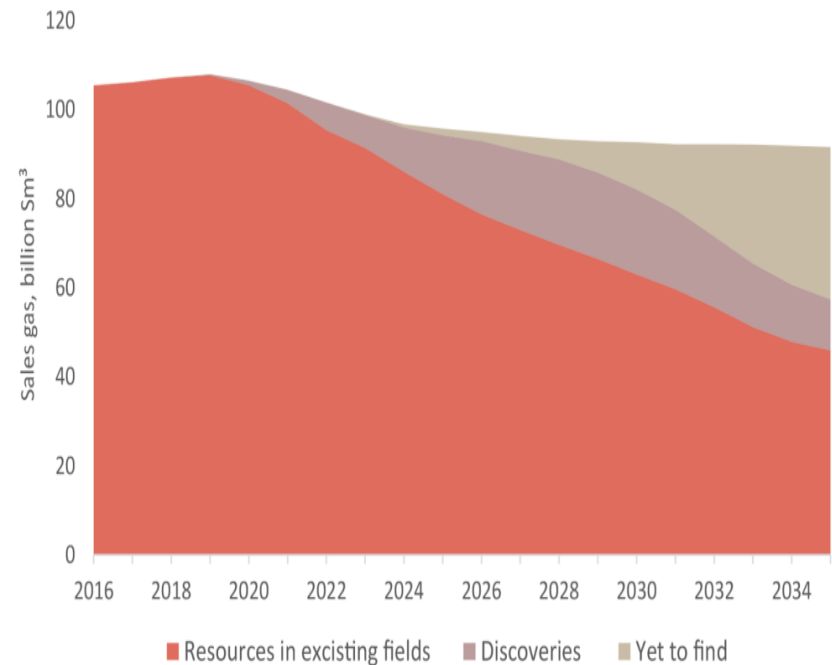


Sources: Statoil analyses, IHS CERA.

Norway can deliver for decades

- Norwegian gas is available and a highly competitive source of supply
- To date only 1/3 of expected resources on the NCS has been produced
- Today's production level can be maintained long term

Norwegian Continental Shelf (NCS) production profile



Source: NPD

Gas will play an important role to achieve EU's climate ambitions

- EU's ambitions:
 - By 2030: 40 % cut in GHG emissions vs 1990
 - By 2050: 85-90 % cut in GHG emissions vs 1990
- Gas is a cost efficient way to reduce emissions e.g:
 - **Power:** Replacing coal in electricity production can reduce emissions by more than 50 %
 - **Heating:** Upgrade to newest gas technology can deliver up to 30 % energy savings as compared to traditional solutions





OIL AND GAS CLIMATE INITIATIVE

led by the CEOs of 10 oil and gas companies



Ten oil and gas companies collaborate on actions to reduce greenhouse gas emissions



decrease of combined
**GREENHOUSE
GAS EMISSIONS (GHG)**
from the companies'
operations since 2005



representing
20%
of global
**OIL AND GAS
PRODUCTION**

OGCI Focus Areas

Our Working Groups



Low Emissions Roadmap



Carbon Capture, Utilization
and Storage



Managing Methane Emissions

The Multiplier Effect

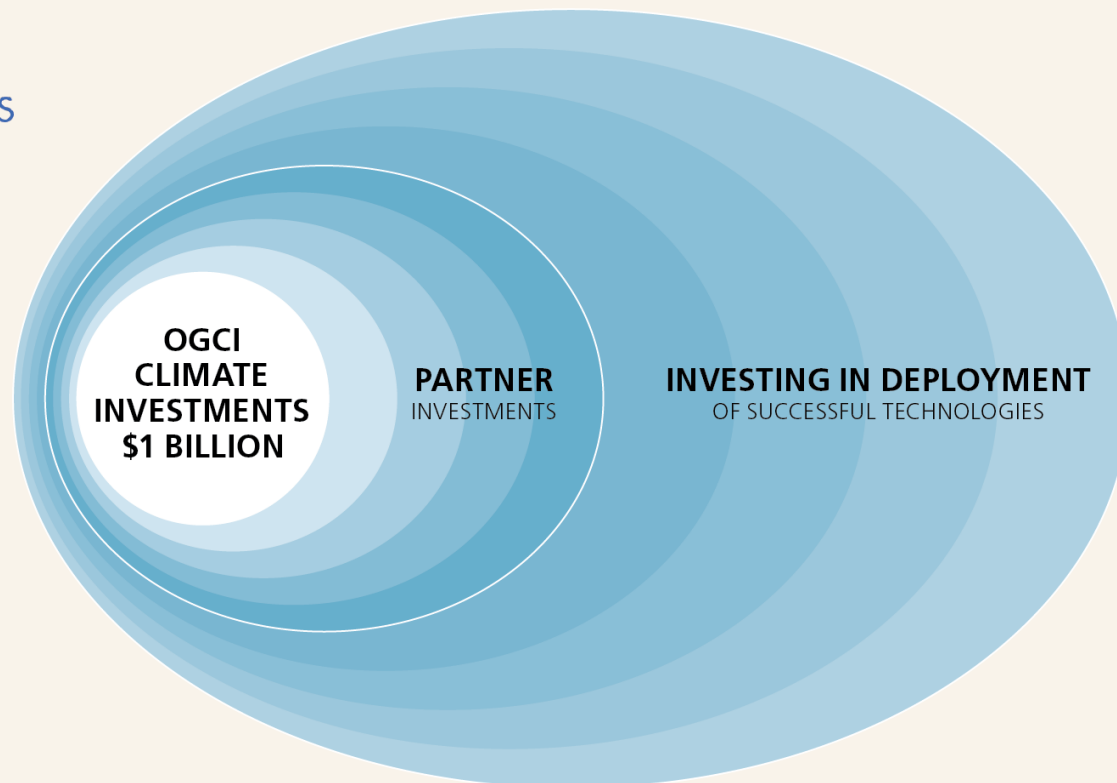
OGCI CLIMATE INVESTMENTS - THE MULTIPLIER EFFECT



We expect our investments to have a considerable multiplier effect.

This will come from partners investing alongside OGCI Climate Investments, as well as our own and other companies' investments in deploying commercialized technologies.

The overall impact on reducing emissions will be on the scale of a gigatonne or more over the decade.



Source: OGCI