

## CIMMTT PROGRAMME

$\mathrm{CO}_{2}$ STORAGE PROJECTS SINCE 2005

## CLIMIT

The national program for research, development and demonstration of technology for $\mathrm{CO}_{2}$ capture, transport and storage

Gassnova SF. The Research Gouncil of Norway

## POLICY INSTRUMENTS FOR CCS IN NORWAY



## CLIMITs THREE FOCUS AREAS

1. New innovative solutions that can yield considerable cost reductions and increased safety
2. Areas where Norwegian participants have advantages
3. CCS in Norwegian industry


## CLIMIT RD\&D ON CO 2 STORAGE 2005-2015

102 projects have
received M 534 NOK
(M 65 €) from CLIMIT


## CLIMIT FUNDED PROJECTS - EXAMPLES



## MATHEMATICAL MODELLING OF CO 2 STORAGE

## DEVELOP RELIABLE MATHEMATICAL MODELS FOR $\mathrm{CO}_{2}$ STORAGE

 Johansen formation. Source: SINTEF
## $\mathrm{CO}_{2}$ FIELD LAB SVELVIK

## SHALLOW CO 2 INJECTION

## LONGYEARBYEN CO 2 LAB

## QUALIFY THE $\mathrm{CO}_{2}$ INJECTIONSSTEAT SVALBARD

I

## IN SALAH

## MICROSEISMIC MONITORING AND GEOMECHANICAL INTERPRETATION



## COMPLETE-KETZIN

INJECTION OF CO 2


## CHALLENGES RELATED TO OFFSHORE CO 2 EOR




## TAKE AWAYS

## ACHIEVEMENTS

- Technology for $\mathrm{CO}_{2}$ storage ready for commercialisation
- Strong international cooperation established


## CHALLENGES

- Lack of pilot and demonstration plants in Europe
- Currently no business case for $\mathrm{CO}_{2}$ storage in Europe
- Enabling $\mathrm{CO}_{2}$ EOR


## OPPORTUNITIES

■ International cooperation

## THANK YOU!

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