



Collaboration with Czech Republic

- Third Norway Grants project
- EU H2020
- CO₂GeoNet (started as FP6)

Fantastic opportunity to learn from each other and work on this practical project in tight collaboration with industry!

CO2-SPICER

CO2 Storage Pilot in a Carbonate Reservoir



NORCE

MND



GEOFYZIKÁLNÍ ÚSTAV
AKADEMIE VĚD ČESKÉ REPUBLIKY, v. v. i.

VŠB TECHNICKÁ
UNIVERZITA
OSTRAVA


Norway
grants

Programme **Kappa**

T A
Č R

CO₂
SPICER



Project information

- 5 consortium members (4 Czech, 1 Norwegian)
- 10 Work Packages, 41 Tasks, > 70 team members
- Start 11/2020 – end 4/2024 (duration 3.5 years)
- Budget: 68.6 mil. CZK (ca. 2.6 mil. €)
- Grant: 61.2 mil. CZK
- Funding rate: 89.2 %



NORCE

MND

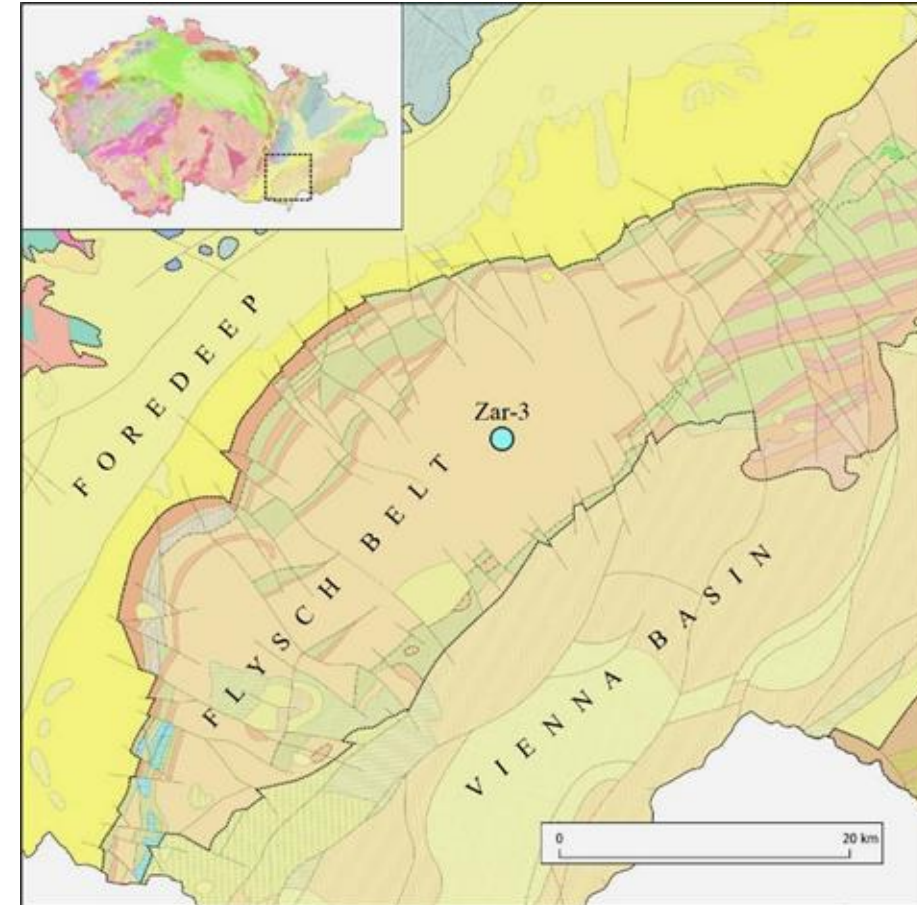


GEOFYZIKÁLNÍ ÚSTAV
AKADEMIE VĚD ČESKÉ REPUBLIKY, v. v. i.

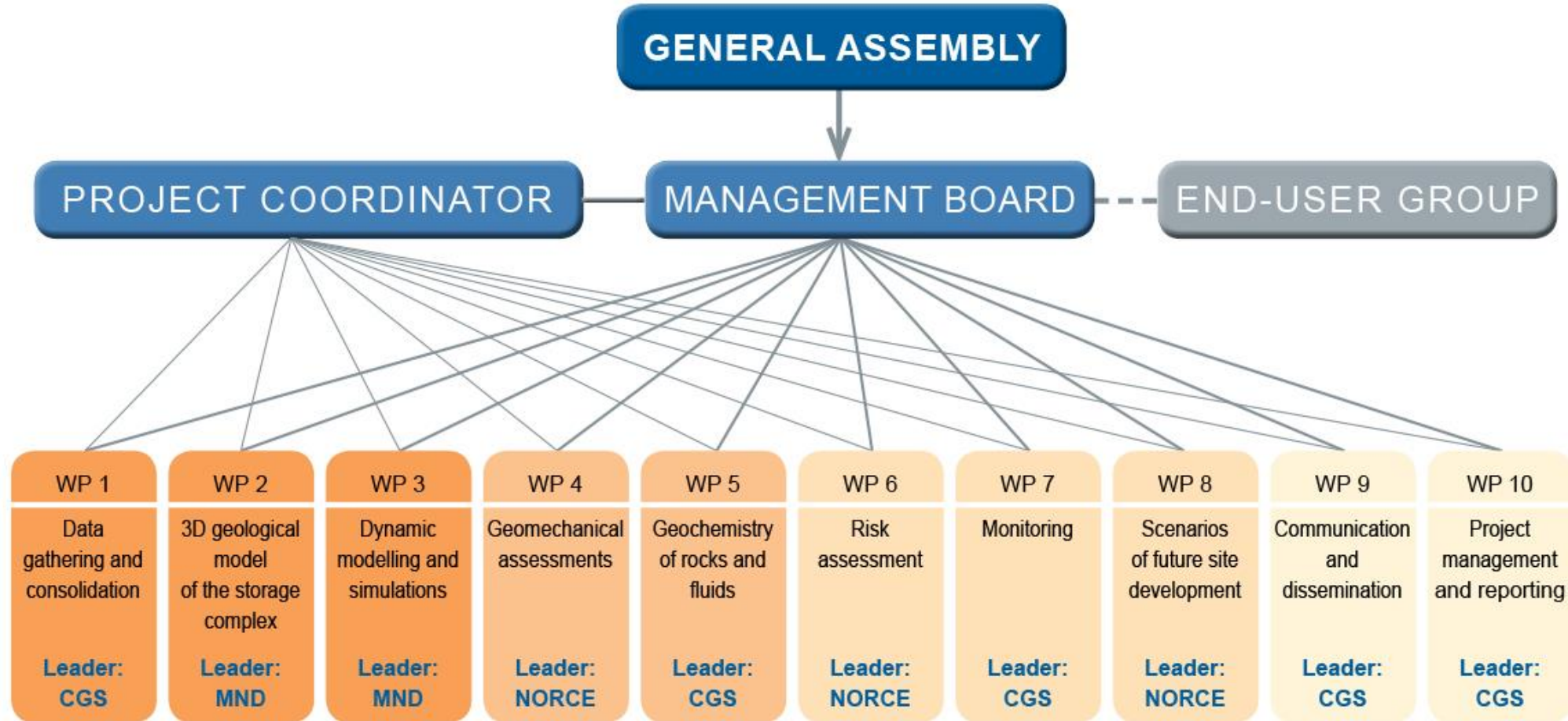
VŠB TECHNICKÁ
UNIVERZITA
OSTRAVA

Objective

- **Main objective** is to prepare implementation of a **CO₂ geological storage pilot project** at the mature **Zar-3** oil & gas field
- **Specific project goals:**
 - construction of a **3D geological model** of the storage complex
 - dynamic modelling and **simulations of CO₂ injection** in the reservoir using various scenarios
 - evaluation of **geomechanical and geochemical properties** of the storage complex
 - assessment of the **risks related to CO₂ storage** on the pilot site
 - development of **scenarios for future site development**, including design of CO₂ injection facilities
 - strengthening of **Czech-Norwegian cooperation** in the field of CCS



Project structure



Acknowledgement

The CO2-SPICER project benefits from a € 2.32 mil. grant from Norway and Technology Agency of the Czech Republic.

Projekt CO2-SPICER je podpořen grantem Norska a Technologické agentury České republiky ve výši 2,32 mil. EUR.