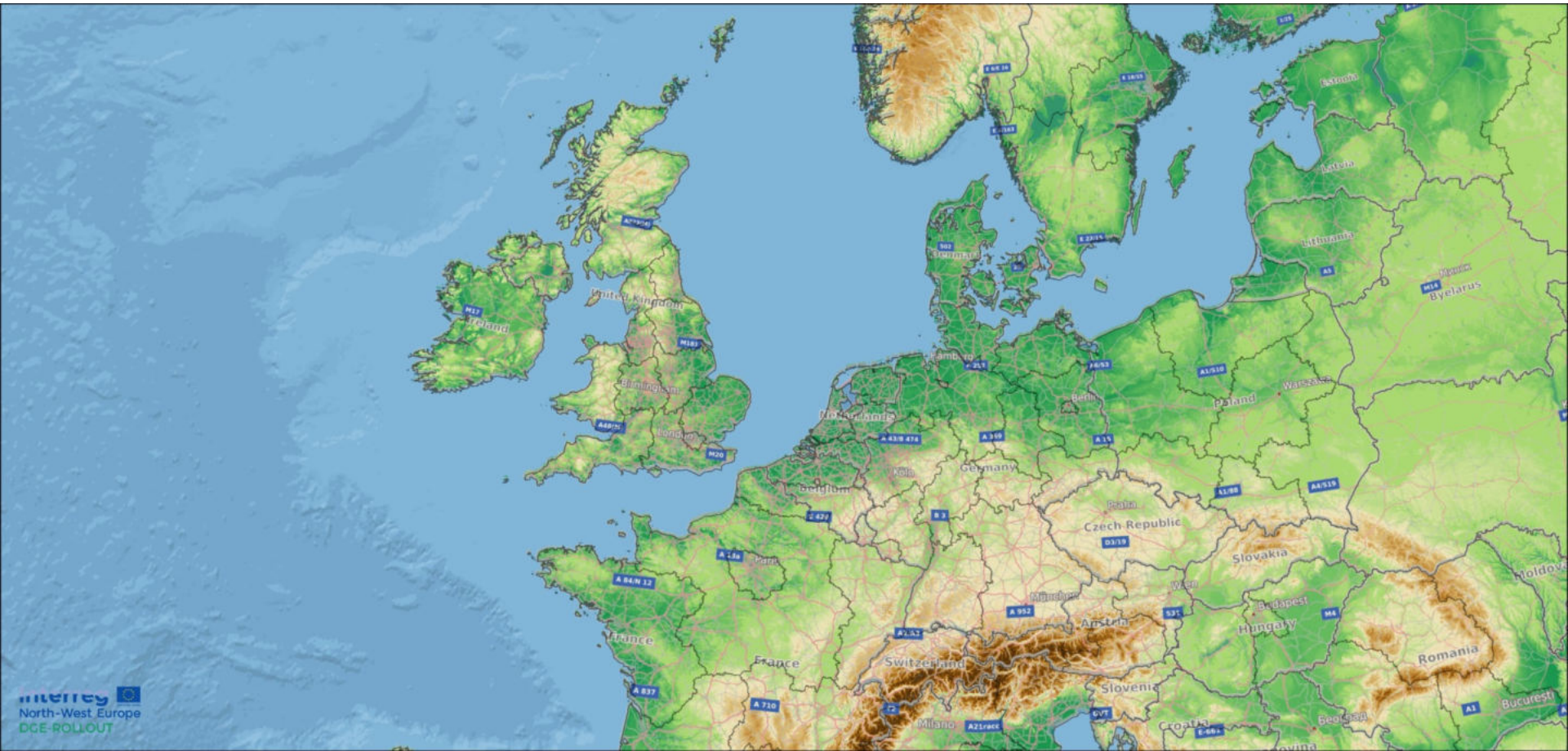


DGE ROLLOUT – deep geothermal energy for NW-Europe



DGE ROLLOUT – deep geothermal energy for NW-Europe

Objektive: promote deep geothermal energy in NW-Europe

Duration: 4 years
25.10.2018 – 24.10.2022

Partners: 6 Nations
10 full partners, a total of 18 Partner

Financial Volume: 18,7 Mio. €,
11,2 Mio. € ERDF funding

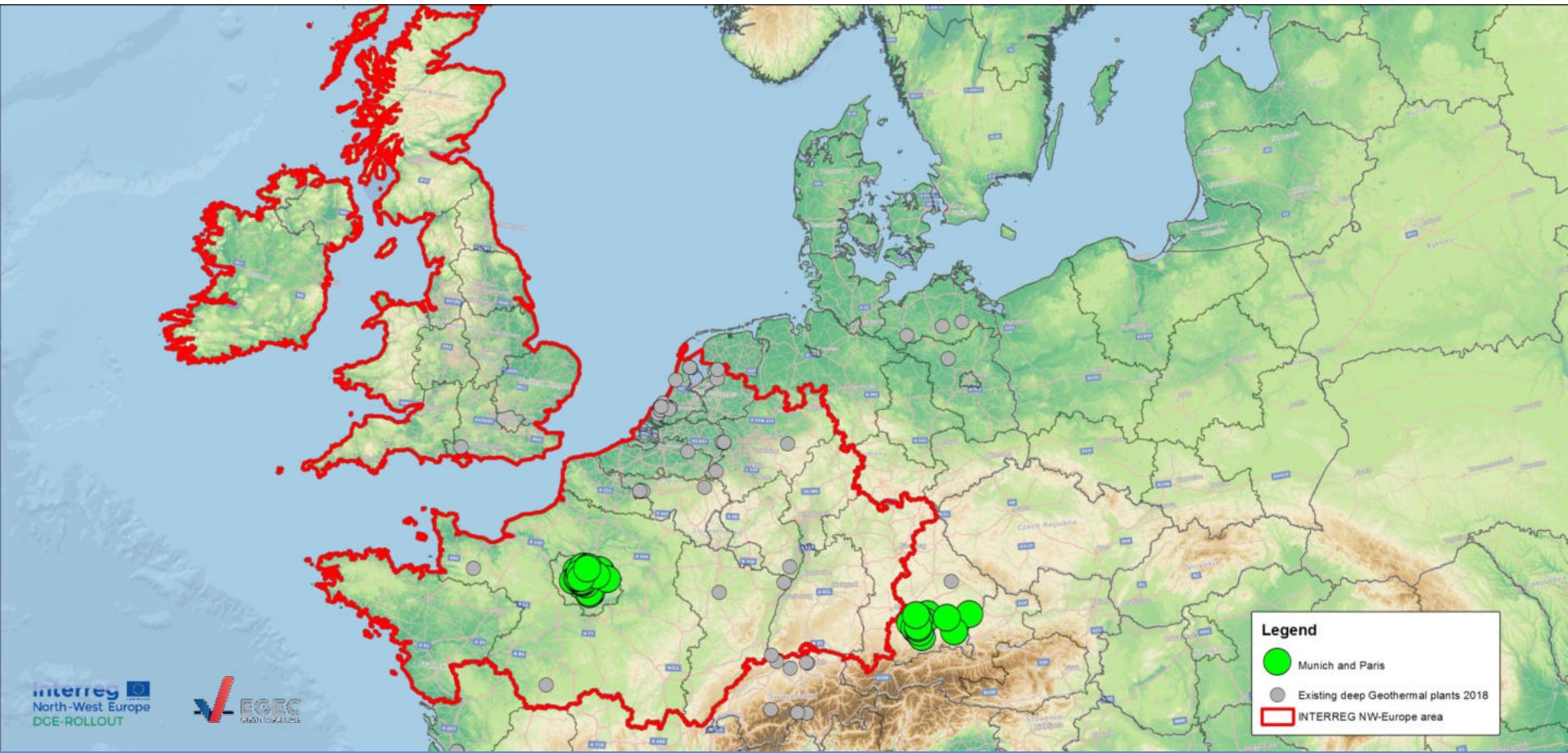
Internet: www.nweurope.eu/projects/project-search/dge-rollout-roll-out-of-deep-geothermal-energy-in-nwe/

Twitter: @DGE_ROLLOUT









DGE ROLLOUT – Geothermal potential of Dinantian carbonates in NL, BE, GE and FR

Idea

Where does deep geothermal energy work successful?

Linked to special geological conditions:

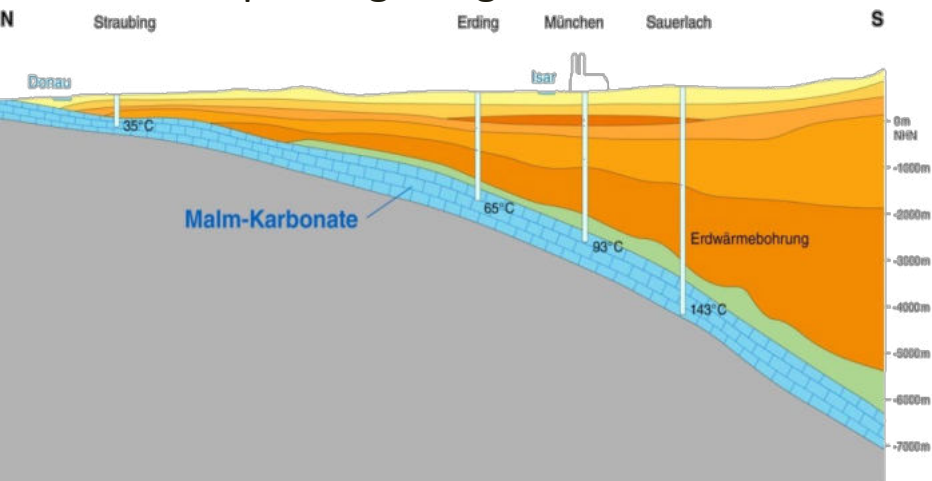
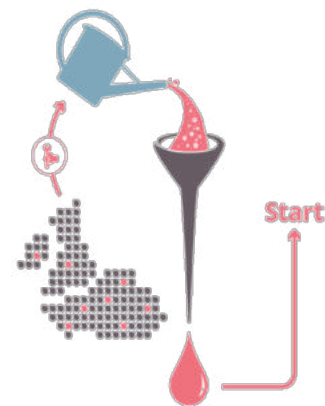



Foto: ©H. Veldkamp, TNO

DGE ROLLOUT Consortium

Geological Surveys

GD NRW (DE) 

GSB (BE) 


VITO (BE) 

BRGM (FR) 

TNO (NL) 


GSI (IR) 

Research

GZB (DE) 

TUDa (DE) 

RUB (DE) 

DU (UK) 

Industry & SME

EBN (NL) 


DMT (DE) 

RWE (DE) 

GeoT (BE) 

DEW (DE) 

Network, PR

EGEC (BE) 

DBM (DE) 

Work packages

WPs Management

WP Management



WP Communication



WP Long Term Effects



WPs Implementation

WP.T1 Mapping and
Networking



WP.T2 Decision and
exploration support

ebn

WP.T3 Testing for production
optimization



WPs Investment

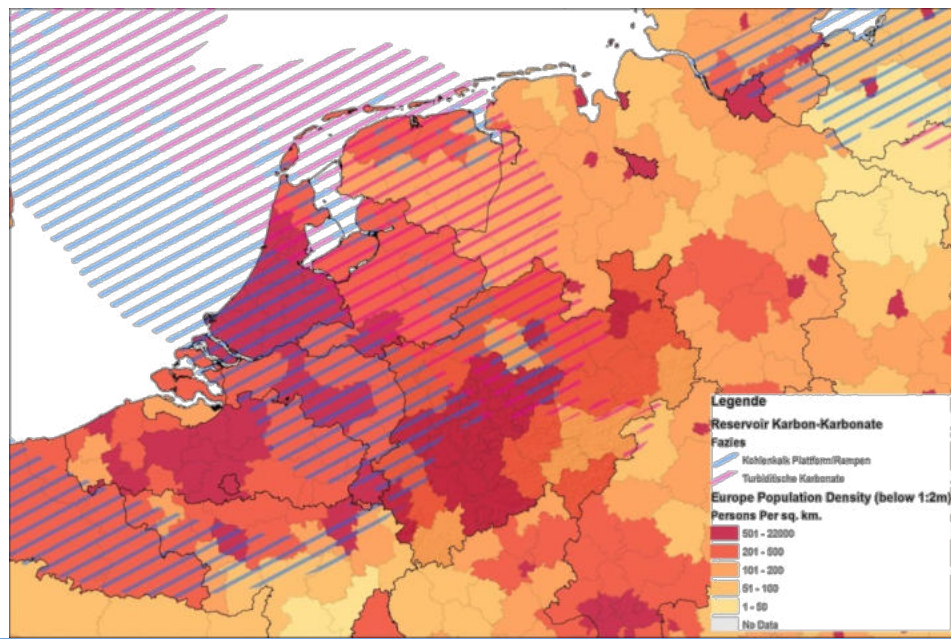
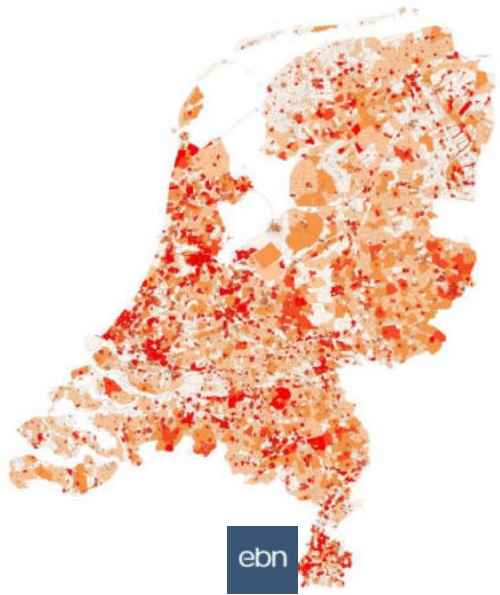
WP.I Heat Pump Technology: Usability and
upscaling for NWE



WP.T1 Mapping and Networking



Surface demand

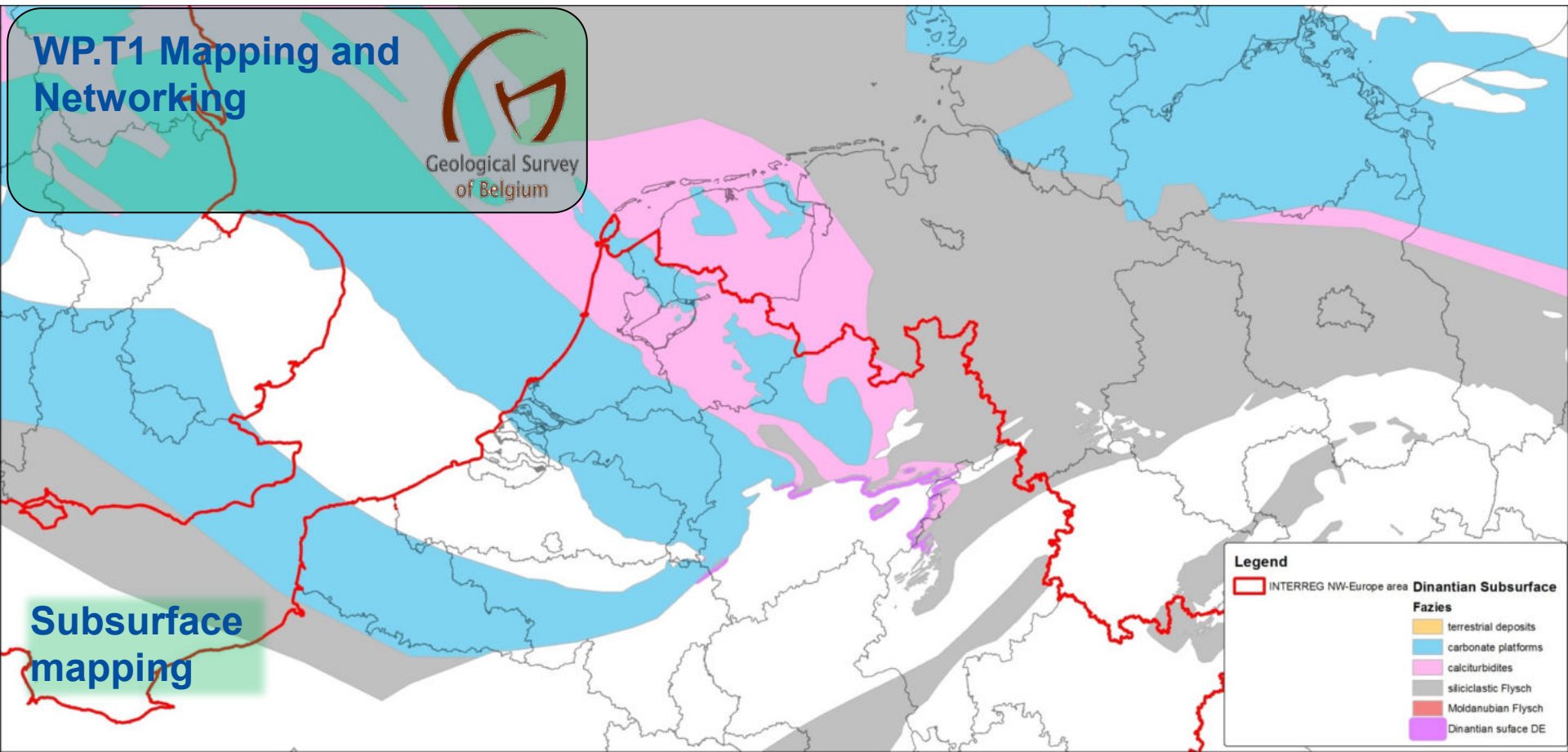


WP.T1 Mapping and Networking



Geological Survey of Belgium

Subsurface mapping



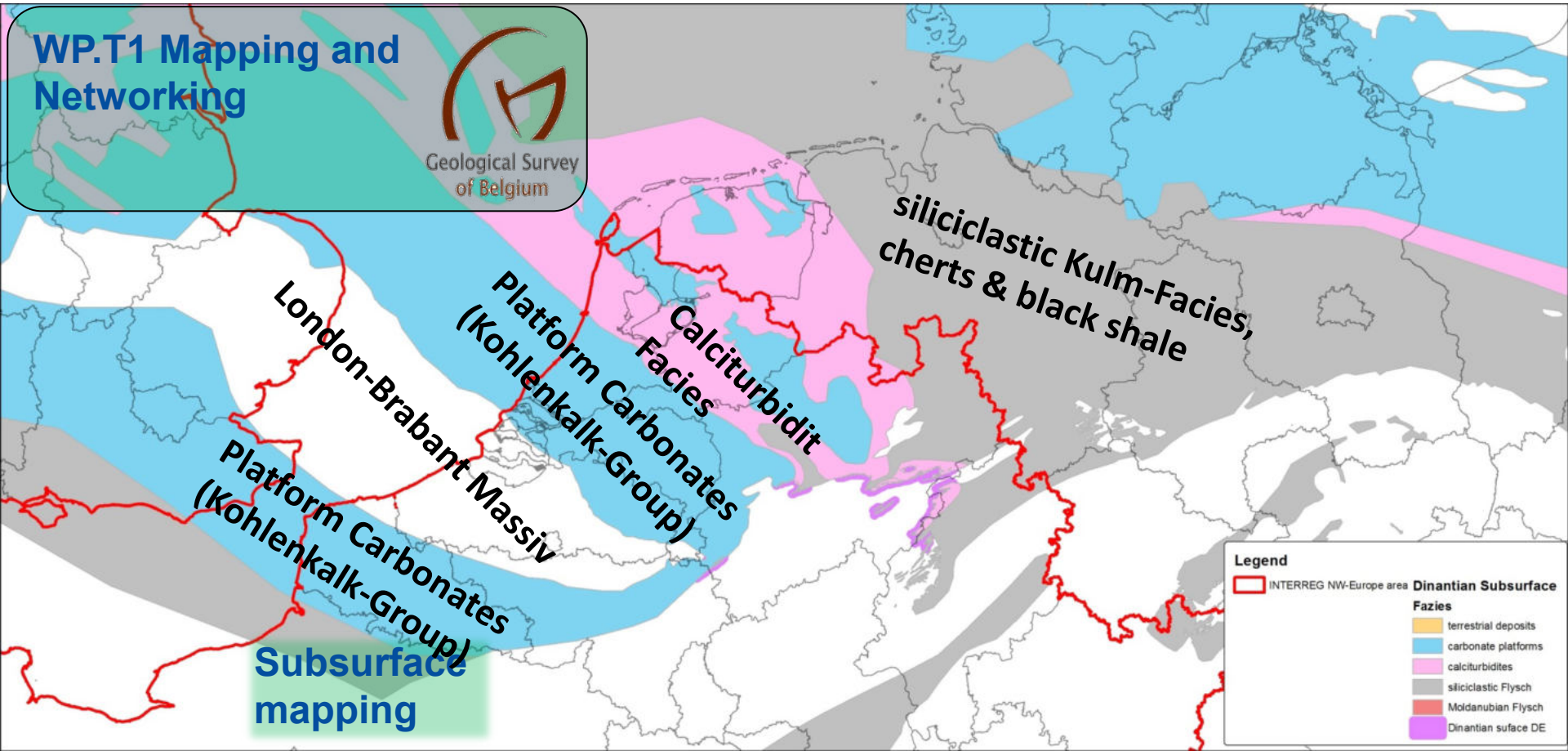
Legend

- INTERREG NW-Europe area
- Dinantian Subsurface**
- Facies**
 - terrestrial deposits
 - carbonate platforms
 - calciturbidites
 - siliciclastic Flysch
 - Moldanubian Flysch
 - Dinantian surface DE

WP.T1 Mapping and
Networking



Geological Survey
of Belgium



Subsurface
mapping

Legend

INTERREG NW-Europe area

Dinantian Subsurface

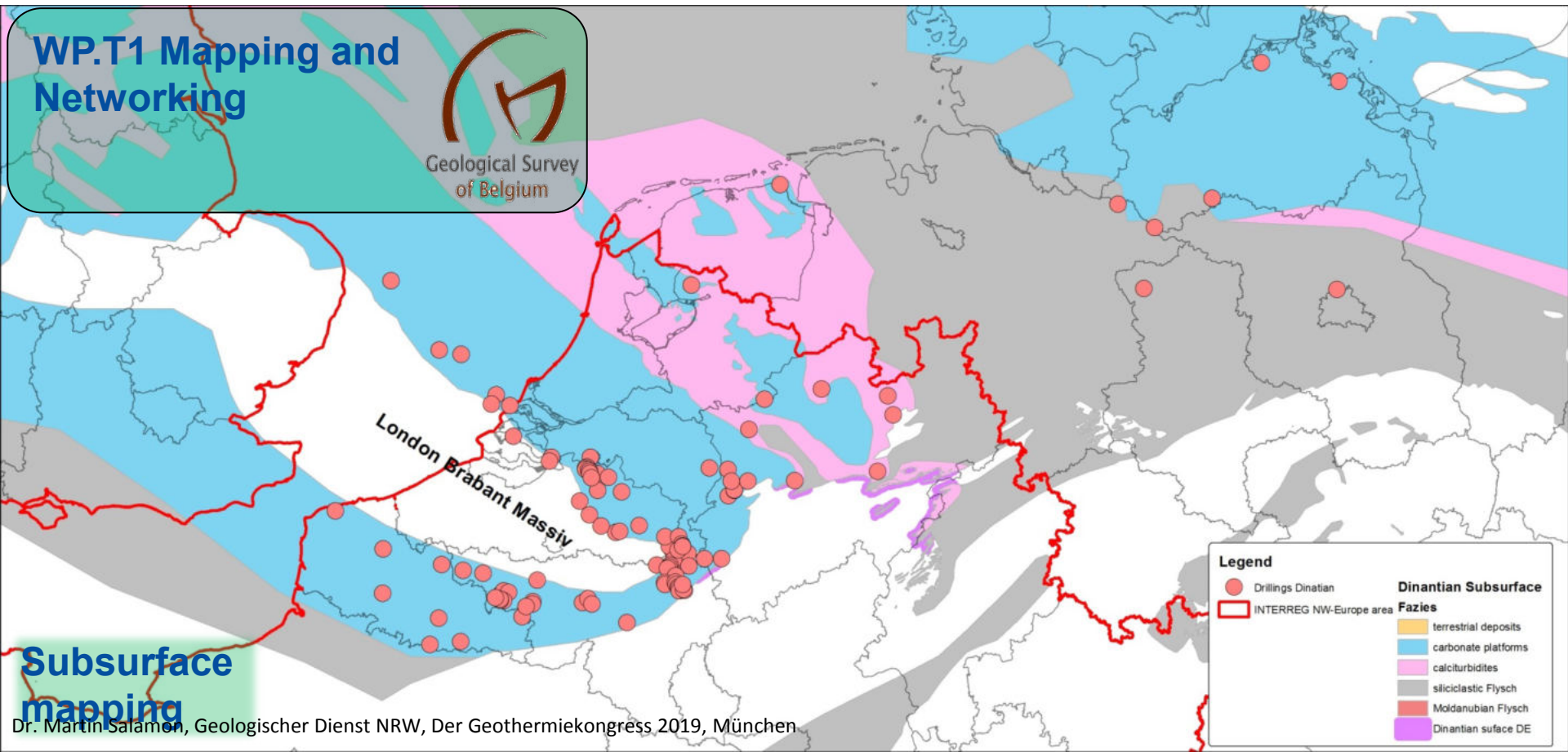
Facies

- terrestrial deposits
- carbonate platforms
- calciturbidites
- siliciclastic Flysch
- Moldanubian Flysch
- Dinantian surface DE

WP.T1 Mapping and Networking



Geological Survey
of Belgium



Legend

- Drillings Dinatian
- INTERREG NW-Europe area

Dinatian Subsurface

Fazies

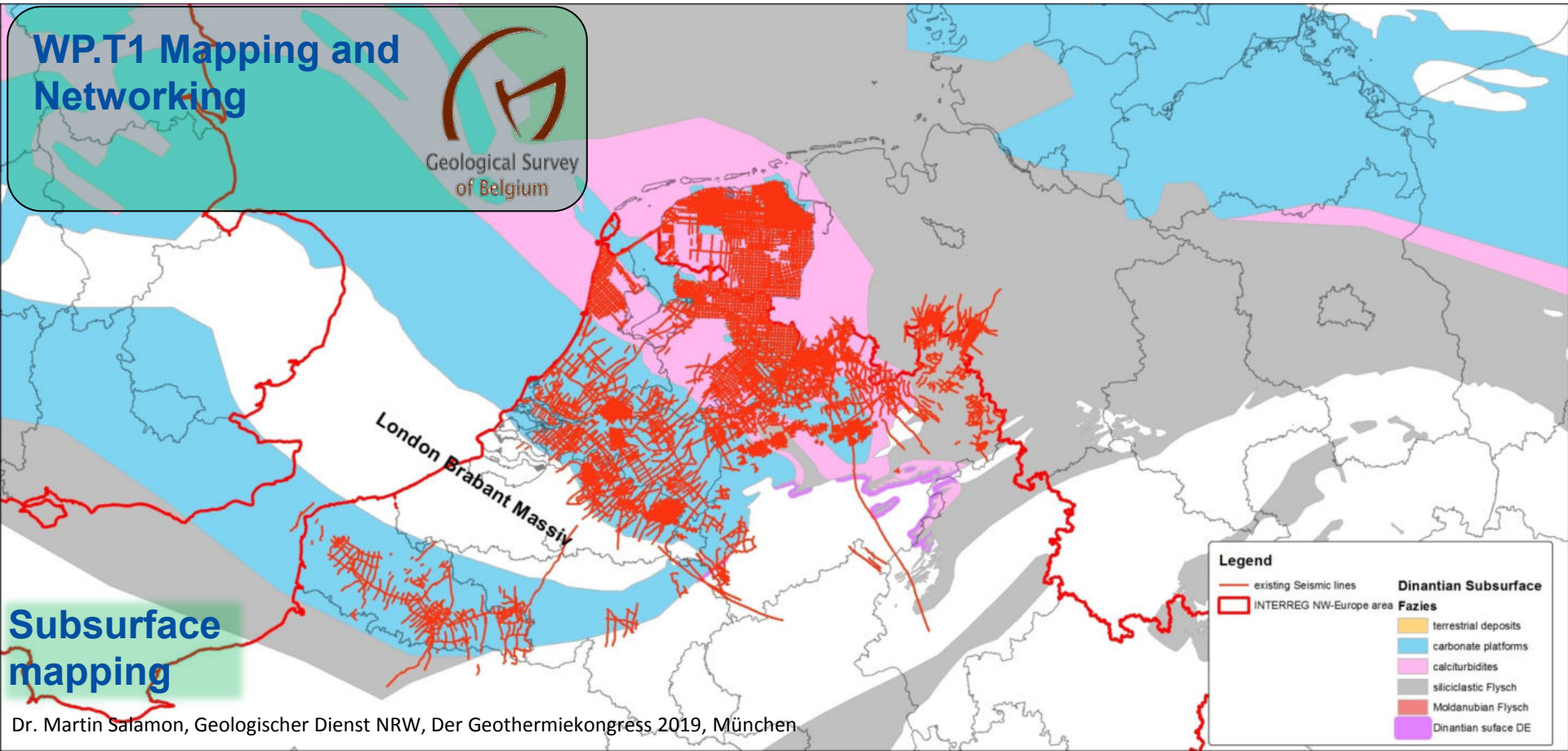
- terrestrial deposits
- carbonate platforms
- calclurbitides
- siliciclastic Flysch
- Moldanubian Flysch
- Dinatian surface DE

Subsurface
mapping

WP.T1 Mapping and Networking



Geological Survey
of Belgium



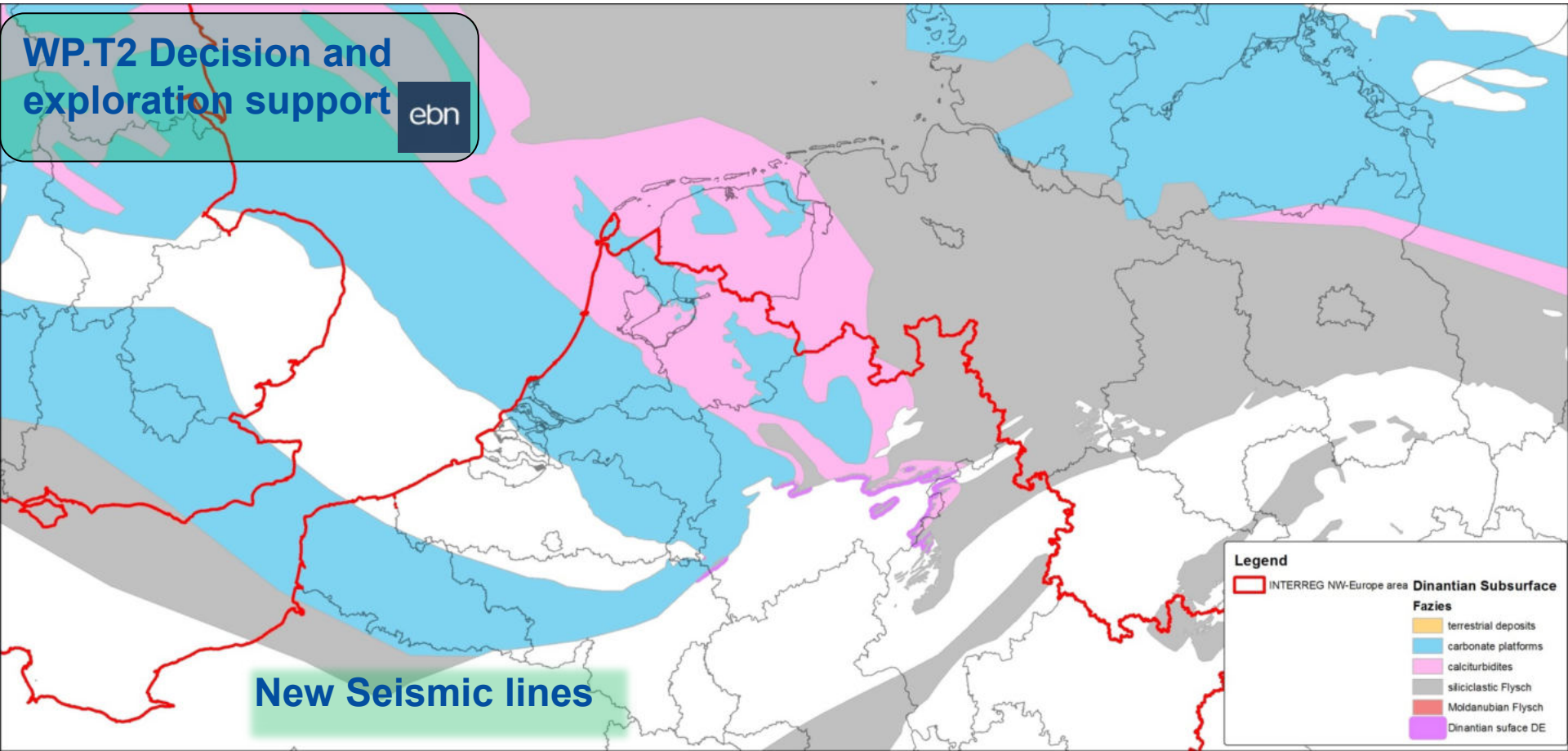
Subsurface mapping

Legend

- existing Seismic lines
- INTERREG NW-Europe area

Dinantian Subsurface Facies

- terrestrial deposits
- carbonate platforms
- calciturbidites
- siliciclastic Flysch
- Moldanubian Flysch
- Dinantian surface DE



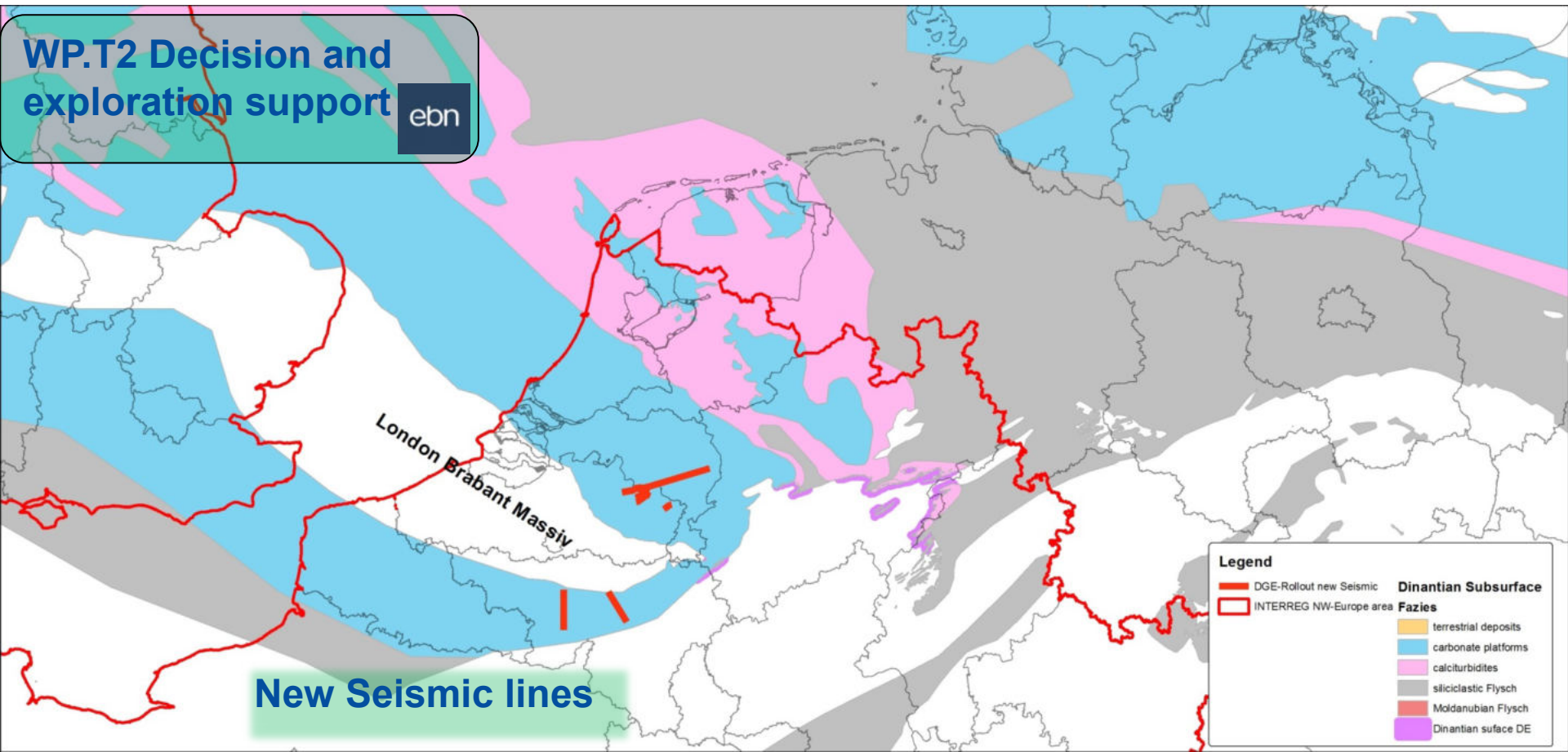
WP.T2 Decision and exploration support

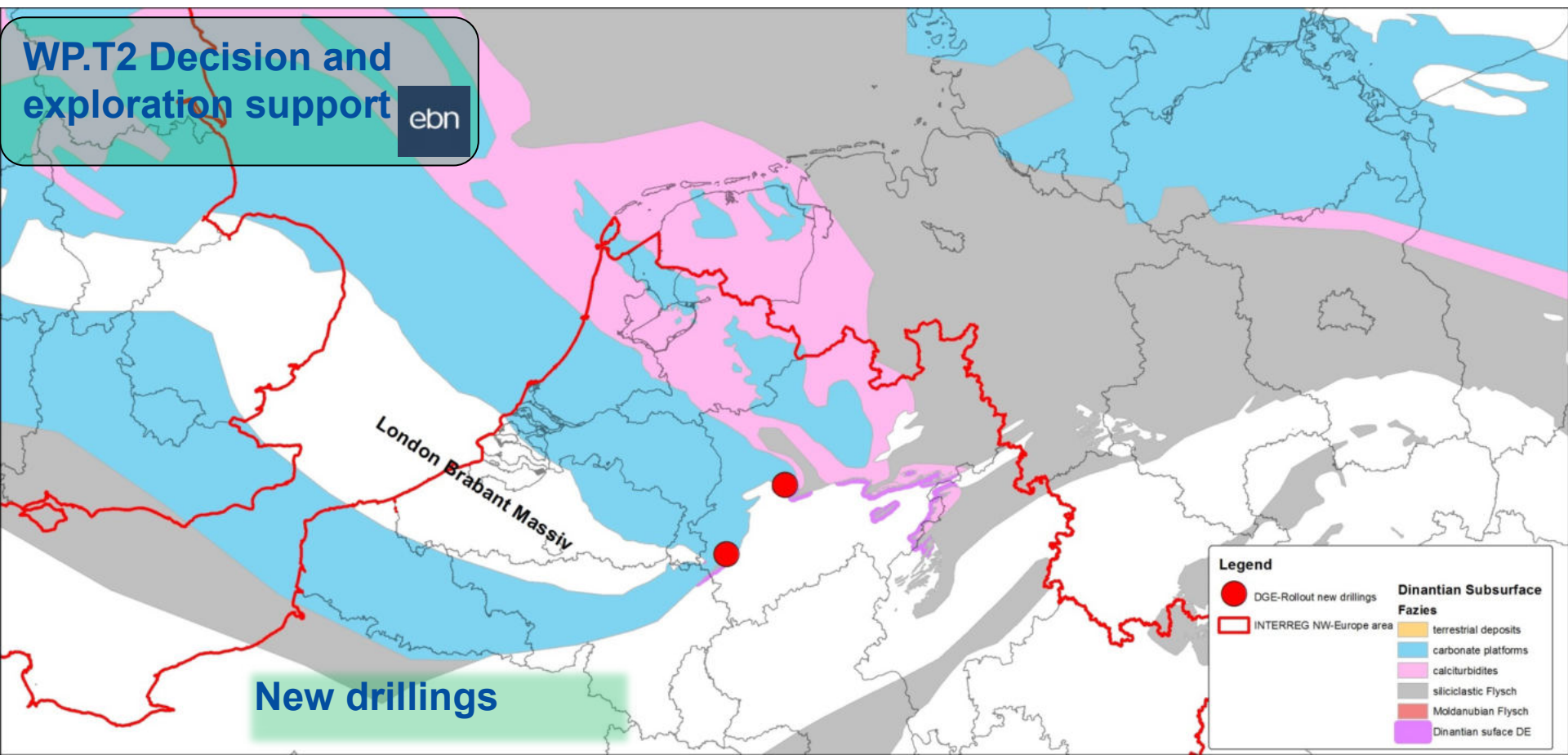
ebn

New Seismic lines

Legend

- INTERREG NW-Europe area
- Dinantian Subsurface Fazies**
 - terrestrial deposits
 - carbonate platforms
 - calciturbidites
 - siliciclastic Flysch
 - Moldanubian Flysch
 - Dinantian surface DE





WP.T2 Decision and exploration support



London Brabant Massiv

New drillings

Legend

- DGE-Rollout new drillings
- INTERREG NW-Europe area

Dinantian Subsurface Fazies

- terrestrial deposits
- carbonate platforms
- calciturbidites
- siliclastic Flysch
- Moldanubian Flysch
- Dinantian surface DE

WP.T3 Testing for production optimization



1) Improved production strategies



2) Energy cascading



3) Thermal energy storage solutions for deep geothermal



TECHNISCHE
UNIVERSITÄT
DARMSTADT



4) Green transition of existing power plants



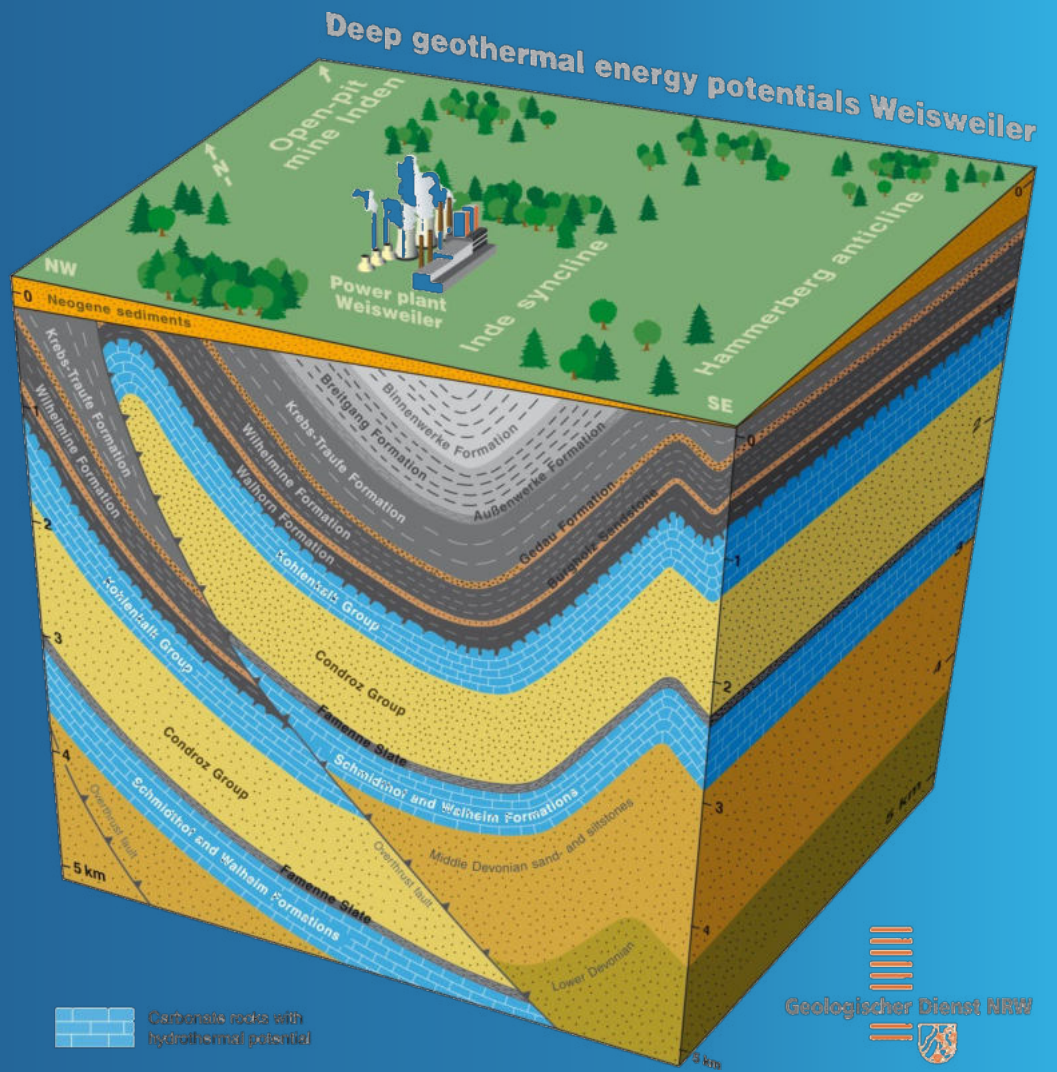
Green transition of existing power plants

RWE
Zukunft. Sicher. Machen.



Lignite Power Plant Weisweiler
Zukunft. Sicher. Machen.

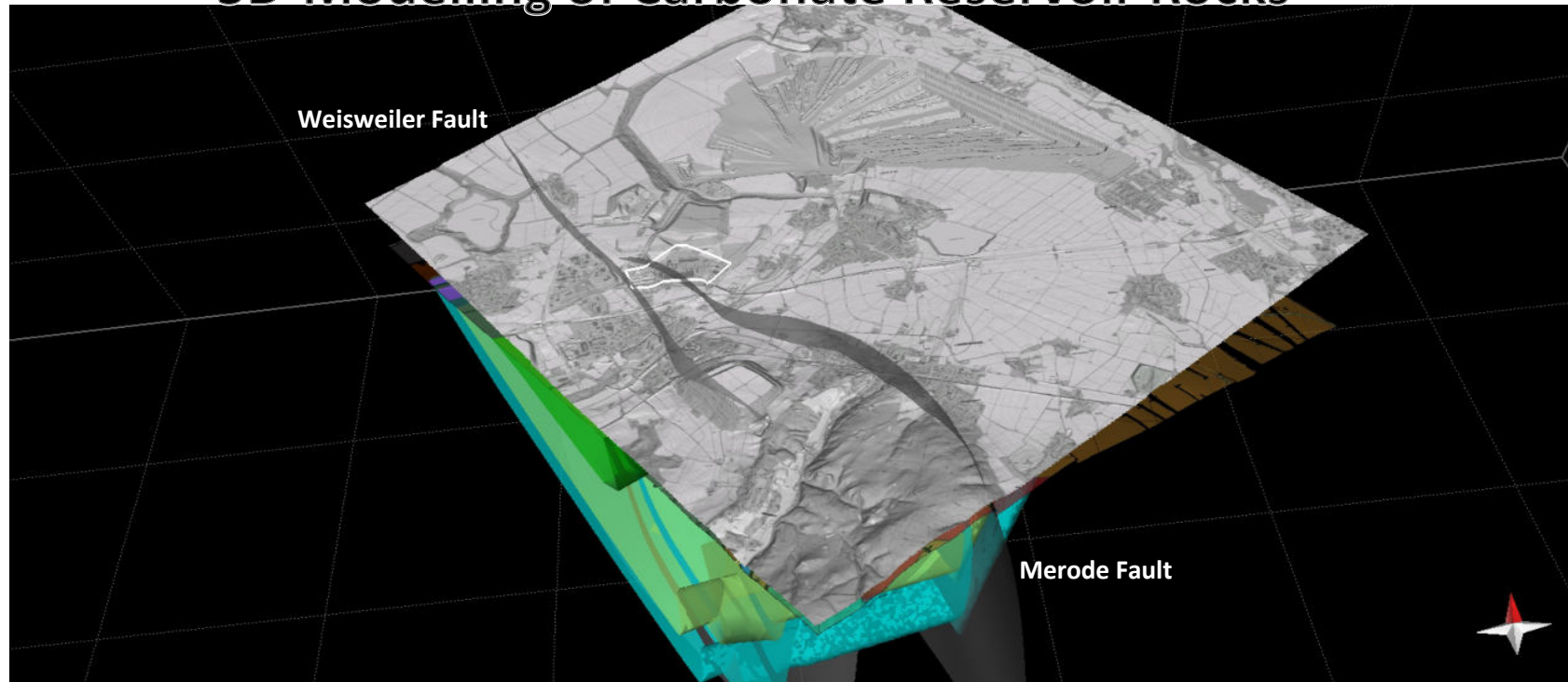
RWE



 Carbonates rocks with hydrothermal potential



3D-Modelling of Carbonate Reservoir Rocks



3D-Modelling of Carbonate Reservoir Rocks

