

HORIZON 2020 PROJECT TRACER

SMART STRATEGIES FOR THE TRANSITION IN COAL INTENSIVE REGIONS

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TRACER OVERVIEW

- Coordination and Support Action (CSA)
- Project duration: April 2019 – March 2022
- Project budget: 1.9 million EUR
- Co-financed by the European Commission, Horizon 2020
- Coordinator: WIP Renewable Energies, Germany
- 15 project partners



TRACER CONSORTIUM



WIP
RENEWABLE
ENERGIES

WIP Renewable Energies, Germany

www.wip-munich.de



KANE
CRES

Centre for Renewable Energy Sources and Saving, Greece

www.cres.gr



Research Institute for Post-Mining Landscapes, Germany

<http://fib-ev.de>



EPC
European Policies
Research Centre

University of Strathclyde, UK

www.strath.ac.uk



Black Sea Energy Research Centre, Bulgaria

www.bserc.eu



Güssing Energy Technologies GmbH, Austria

<http://get.ac.at>



The Association of European Renewable Energy Research Centres, Belgium

www.eurec.be



Institute for Studies and Power Engineering, Romania

www.ispe.ro



Energoprojekt ENTEL, Serbia

www.ep-entel.com



Coal Energy Technology Institute, Ukraine

www.ceti-nasu.org



University of Agriculture in Krakow, Poland

www.ur.krakow.pl



Welsh Government, UK

<https://gov.wales>



Charles University, Czech Republic

www.cuni.cz



Czech University of Life Sciences Prague, Czech Republic

<https://www.czu.cz/en/>

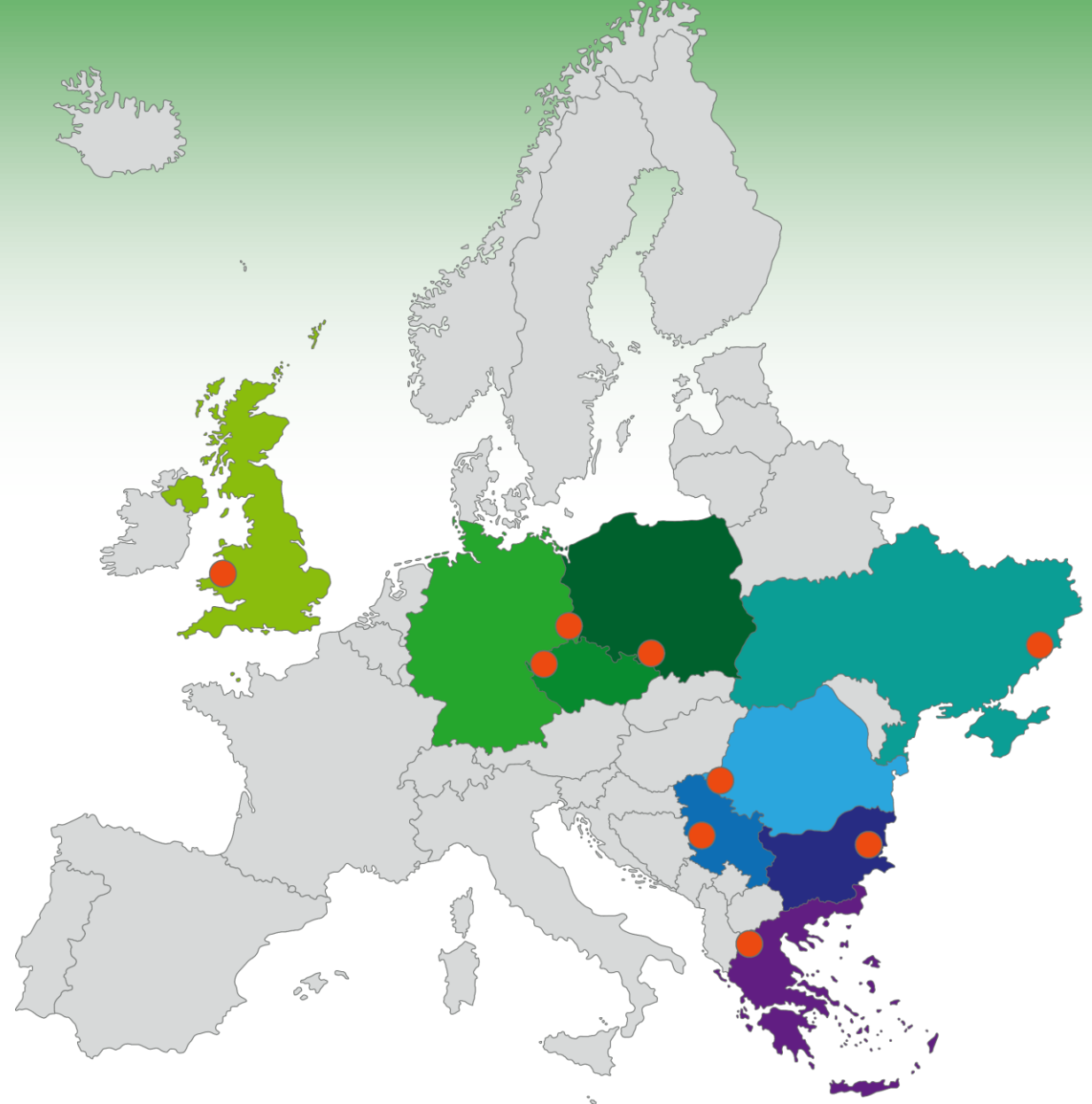


Jiu Valley Social Institute Association, Romania

www.institutulsocialvi.ro

TRACER TARGET REGIONS

- Southeast Region (BG34), Bulgaria
- Northwest Bohemia (CZ04), Czech Republic
- Lusatia Region, Brandenburg (DE40) and Dresden (DED2), Germany
- West Macedonia (EL53), Greece
- Upper Silesia (PL22), Poland
- West Region / Jiu Valley (RO42), Romania
- Kolubara Region (RS11&RS21), Serbia
- Donetsk Region, Ukraine
- Wales (UKL1, UKL2), United Kingdom



TRACER OBJECTIVES

- **Assist regional actors** in developing **R&I strategies for smart specialisation**
- **Identify and exchange “best practices”**
- **Investigate social challenges** in the target regions, including necessary re-skilling needs of the workforce
- **Provide guidance** to regional actors for the access to **European funds** and programmes, and on how to leverage additional national public and private co-financing



ENTREPRENEURIAL DISCOVERY PROCESS (EPD)

- Mobilisation of a wide range of stakeholders in the target regions
- Consultation with stakeholders
- Set up of appropriate governance structure
- Developing shared visions of transition and identifying priorities in the target regions



CHALLENGES

- Introduction of new technologies goes hand in hand with **Research and Innovation** activities → low innovation rates in TRACER coal regions
- Developing storage capacity for both electricity and heat
- Lack of RES related field data, no regional / local potential assessment studies (e.g. Jiu Valley, Romania)
- Involvement of SMEs
- Long-term thinking to ensure that market design allows continued growth of renewables at least cost



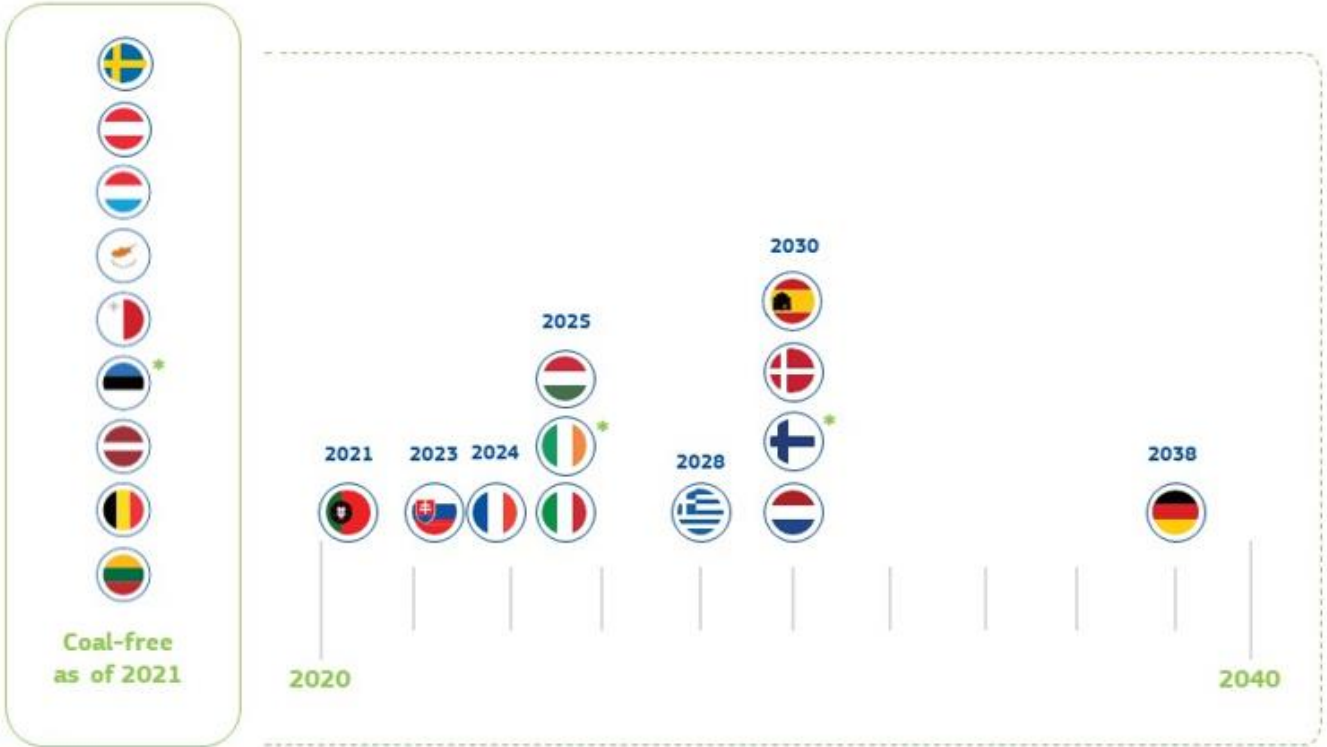
OPPORTUNITIES

- Production of RES is projected to increase (possibilities for large scale installations)
- During TRACER interviews several key ideas for the regional transition to new businesses have been outlined:
 - production of energy storage solutions, such as batteries for electrical vehicles and large storage for electricity and heat
 - hydrogen
 - energy crops
 - district heating operation, substituting lignite dependency with alternative energy sources
 - energy communities



PROJECTIONS TOWARDS 2030/2050

Coal phase out commitments in the EU



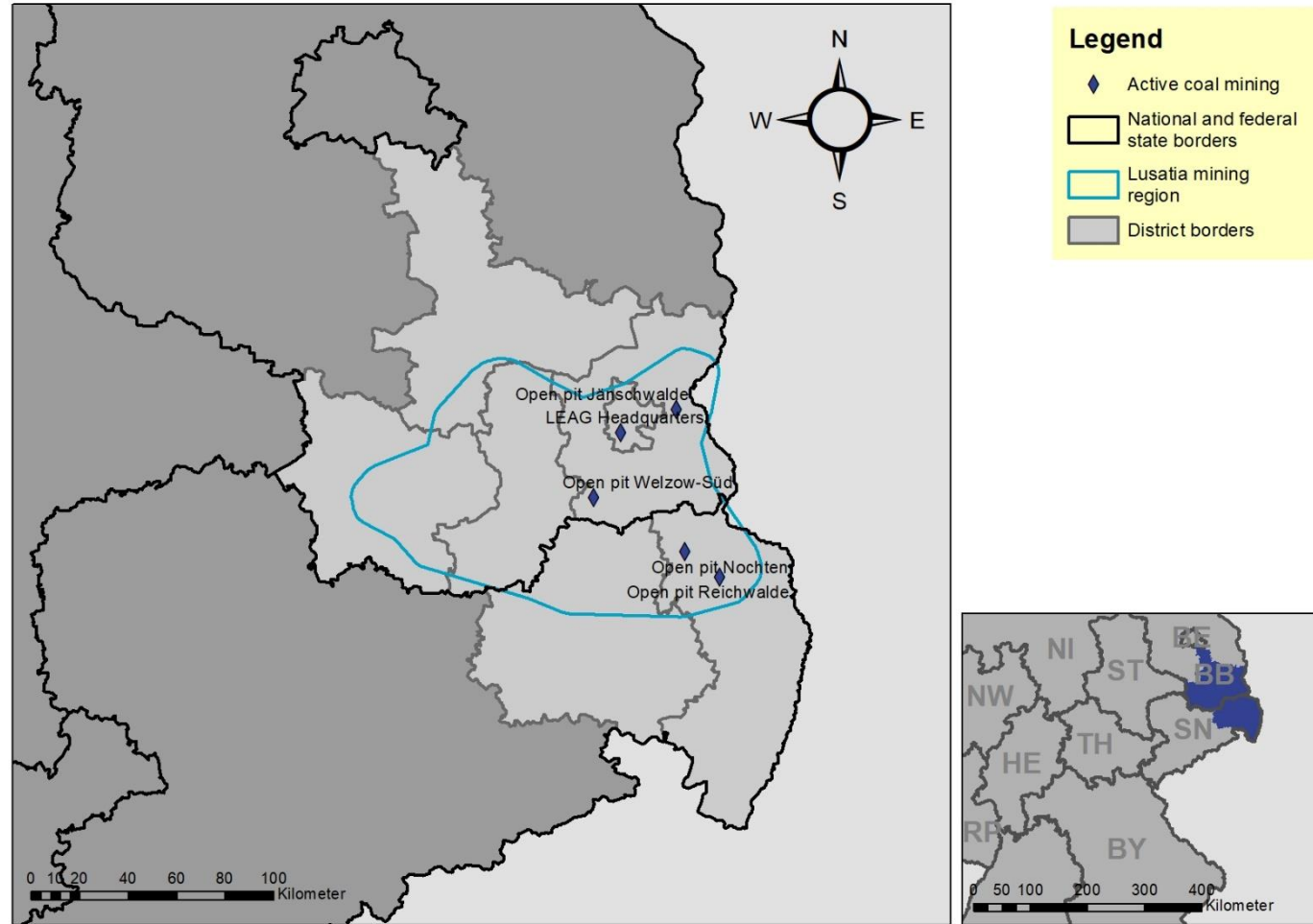
Phase out under consideration

No phase out planned

* Member States with peat and oil shale in their energy mix.



LUSATIA, GERMANY



LUSATIA, GERMANY

- Mindset of the population in Lusatia is strongly influenced by experiences of the past (“Strukturbruch” in German)
- Lusatia is not a mono-structured region anymore
- Never since the unification a peripheral region like Lusatia was in the focus of debates on the national level and never since the unification a huge budget has been promised for a peripheral region



RESULTS



<https://tracer-h2020.eu>





THANK YOU!

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