



# Re-purposing Coal Power Plants during Energy Transition (RECAPP)

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Wednesday, April 28, 2021



Just Transition Platform – Coal Regions Virtual Week and Carbon-intensive Regions Seminar

- Key data
- Impact and innovation
- Work packages - Mapping of Sites
- Next Workshop



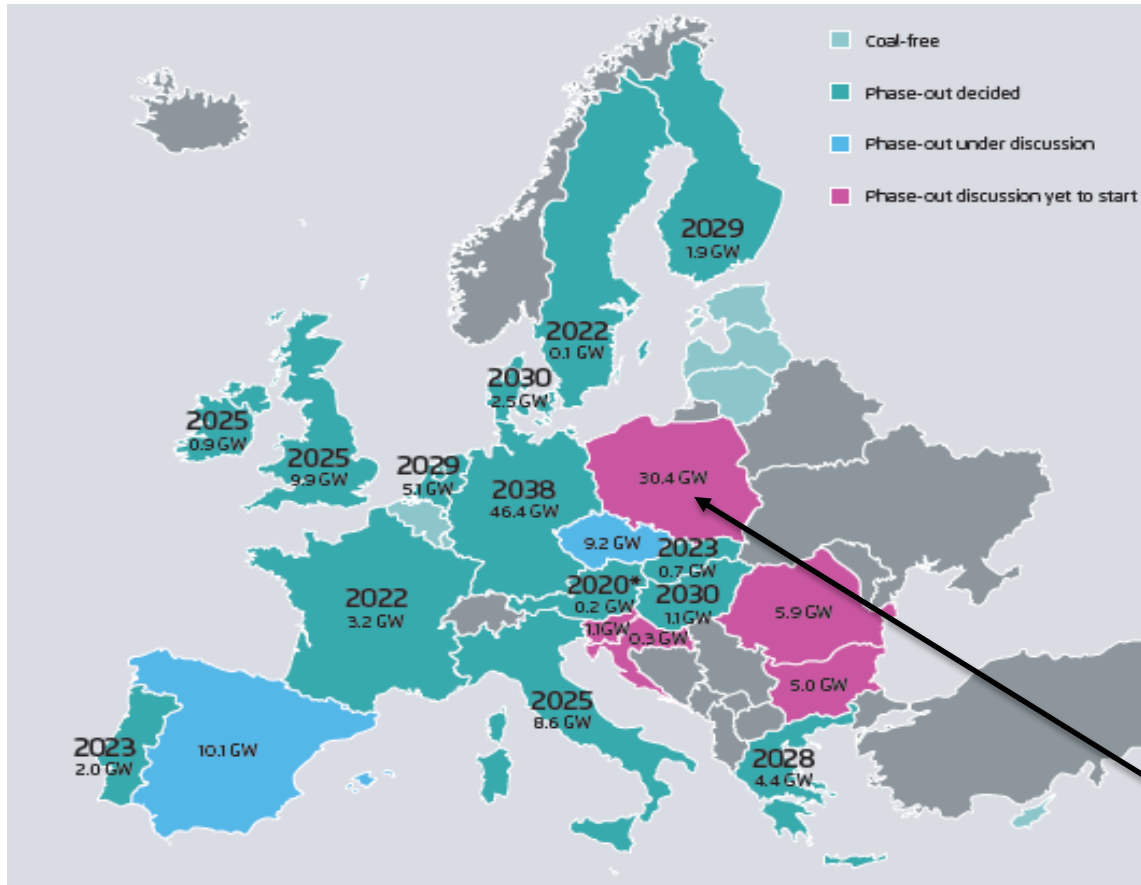
Title: Re-purposing Coal Power Plants during Energy Transition  
 Runtime: 1 July 2020-30 June 2022

Thirteen European power plant operators and research institutions are core partner supported by further eleven associated partners.



<https://www.recpp.eu>





Political acceptance of coal based generation is falling rapidly, leaving an enormous amount of sites with the situation of valuable assets (infrastructure, staff, etc.) and costly commitments (serving PPAs, steam and energy supply to nearby industry, etc.).

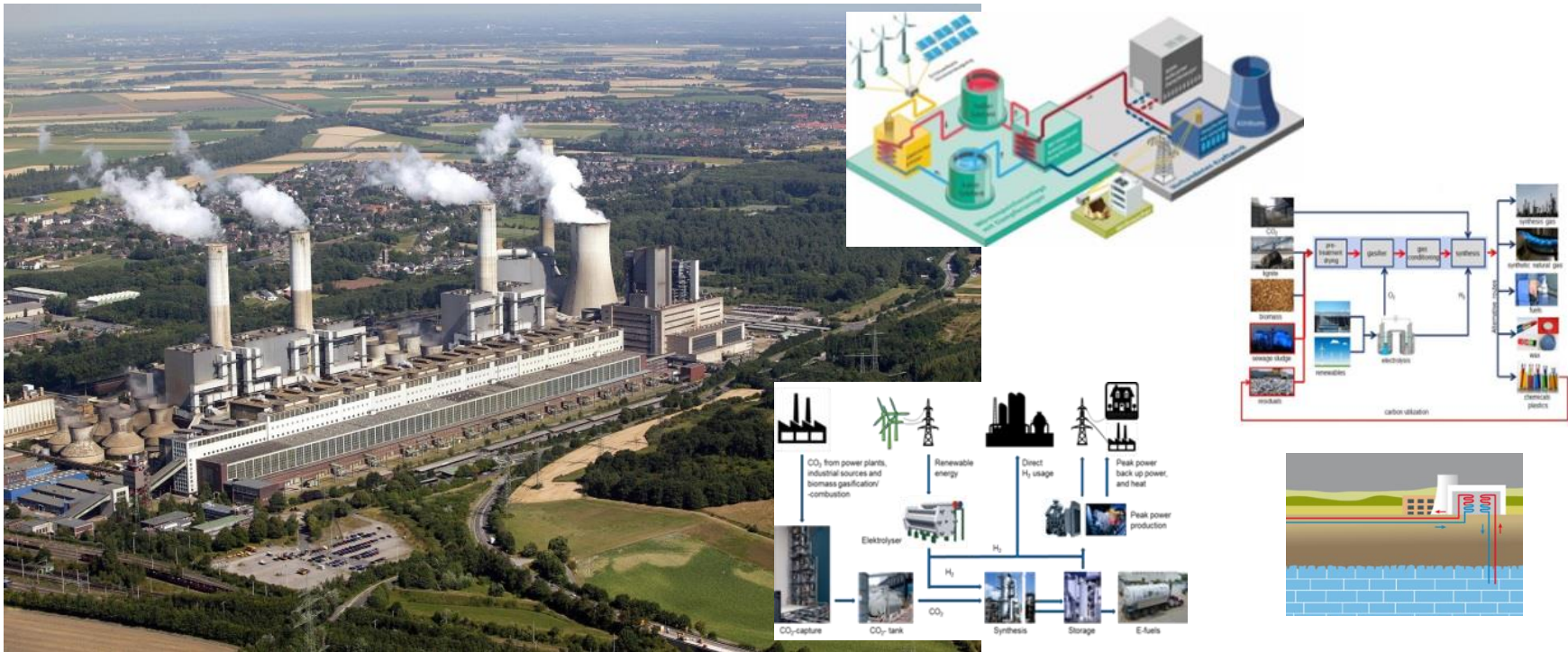
Latest candidate, Poland, agreed on phase-out in 2020

Source: Agora Energiewende / Sandbag (2019)

RECPP for the first time explicitly puts coal-fired power plants in the focus. It complements and continues the activities undertaken under Coal Regions in Transition.

## RECPP supports Coal Regions in transition by mapping

- European coal power plant sites
- sustainable solutions for re-purposing



Sites specified and clustered will be matched with available technologies for re-purposing. The results will provide the best sustainable approach for re-purposing of existing equipment and infrastructure.



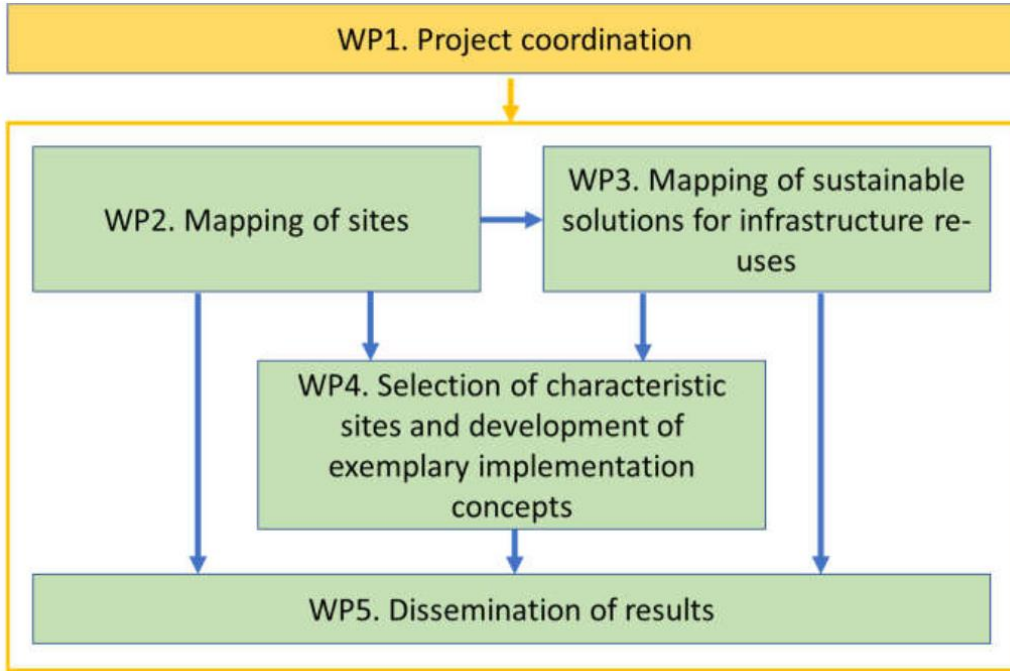


Table 3. Common internal infrastructure

Type of infrastructure	exist					doesn't exist
	total	in use	decommissioned			
			total	possibility to re-use for other economic activities		
				yes	no	
Water demineralization installation	98%	88%	12%	33%	67%	2%
Water decarbonisation installation	85%	90%	10%	100%		15%
Hydrogen cooling installation	51%	25%	75%	96%	4%	49%
Start-up fuel installation: i.e. mazut/ heavy fuel oil/ light fuel oil installation/ gas	96%	86%	14%		100%	4%
Turbine oil installation	98%	92%	18%	20%	80%	2%
Flue gas desulphurization installation	89%	87%	13%	25%	75%	11%
NOx reduction installation	76%	95%	5%	85%	15%	24%

## online-survey for mapping of sites

- I. POWER PLANT DATA
- II. Description of the coal power plant unit/ units / technological system
- III. Common internal infrastructure  
(Refers to the common infrastructure for all of units located in the area of land belonging to the power plant and situated within its fenced area)
- IV. External infrastructure  
(Refers to the existing infrastructure and plans for its use)
- V. Surrounding infrastructure

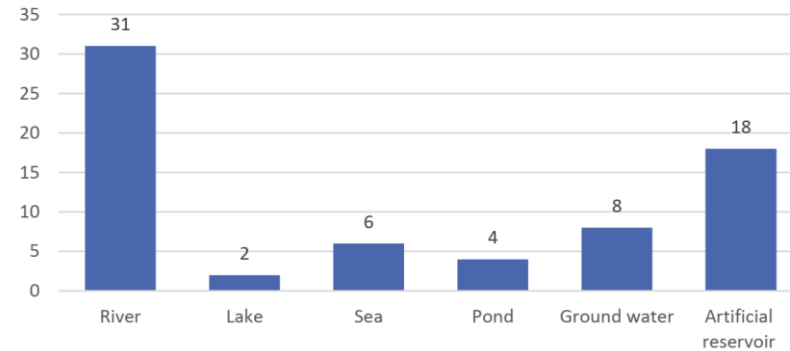


Figure 14. Access/proximity to reservoirs and watercourses





<https://www.recpp.eu>

**Date**  
21 May 2021, 09:00-14:30h, Interactive online event  
**Place**  
Interactive online event

## Second cross-national RECPP workshop | Results on mapping of coal power plant sites - Collection of feedback from stakeholders: Mapping of re-purposing solutions for coal power plant sites

★ indicates required

Email Address ★

First Name

Last Name

Virtual Room 2  
Parallel group 1  
CO<sub>2</sub> before and after  
*(Chairperson: Petr Krejci - CEZ)*

Virtual Room 3  
Parallel group 2  
Green Products  
*(Chairperson: Thomas Kienberger - MUL)*

Virtual Room 4  
Parallel group 3  
Energy Storage  
*(Chairperson: Adolf Aumüller - VGB)*

Virtual Room 2  
Parallel group 4  
New aspects of sector coupling  
*(Chairperson: Rainer Fronius - EDF)*

Virtual Room 3  
Parallel group 5  
Sustainable solution based on EU taxonomy  
*(Chairperson: Pavlos Tyrologou - CERTH)*

Virtual Room 4  
Parallel group 6  
Repowering - the best practicable environmental option  
*(Chairperson: Michal Jablonski -TGPE)*

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