

# GREEN DEAL UKRAÏNA

Report



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Federal Ministry  
of Education  
and Research



# SETTING UP AN ENERGY AND CLIMATE THINK TANK IN KYIV BY 2027

## PARTNERS



## PROJECT AT HELMHOLTZ-ZENTRUM BERLIN and by BMBF


- Scientific approach
- Large academic network
- Politically independent

**HZB** Helmholtz  
Zentrum Berlin




**Funding**

10% State of Berlin  
90% federal government



**Budget**



approx.  
€ **190**  
million p.a.

~1250 employees

~600 researchers incl. 100 PhD students

~30 trainees

~10 young investigator groups



# A TRILATERAL PROJECT

## BERLIN



## KYIV



## WARSAW



# ● ● Advisory Council

**LAURENCE  
TUBIANA**



**CHRISTIAN  
ZINGLERSEN**



**OTTMAR  
EDENHOFER**



**INNA  
SOVSUN**



**JEAN-  
MICHEL  
GLACHANT**



**ROBERT  
SCHLÖGL**



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KURTYKA**



**GRZEGORZ  
ONICHIMOWSKI** ★



**BERND  
RECH**



**YURI  
KUBRUSHKO**



**JANUSZ  
REITER**



**MONIKA  
MORAWIECKA**



**ARTUR  
LORKOWSKI**



**CHRISTIANE  
DAHRENDORF**



**VOLODYMYR  
KUDRYTSKYI**



**STEFAN  
KAPFERER** ★



# Collaborations (examples)



# Work Directions state of play

## DATA AND MODELLING

Electricity system modelling with PyPSA Ukraine.

Focusing on electricity deficit analysis for Winter 2024, now analysing the impact of Ukraine's power system integration with neighbouring EU countries

## POLICY ANALYSIS AND ADVICE

Six papers since 2023.  
Latest research focus

- Encouraging private investments in flexibility
- Grid paper
- Modelling the Electricity Deficit in Ukraine
- Biomethane paper
- CBAM

## CAPACITY BUILDING

For national and local decision makers with FSR and KSEP.

### #ProGreenDeal

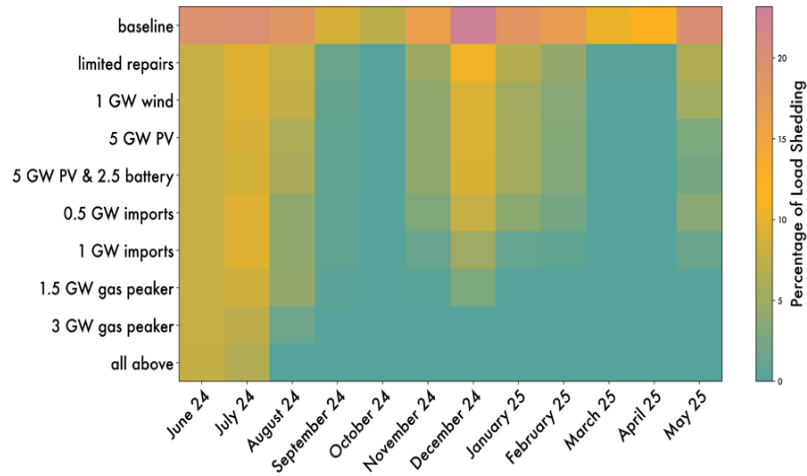
- Summer 2024: Smart Cities
- Fall 2024: For Policy Makers



# Data and Modelling 2024

## Python for Power Systems Analysis (PyPSA)

- Substantial advancements in developing our own **custom modelling environment**, in close collaboration with PyPSA devs from Technical University Berlin
- Analysis and written reports:
  1. Assessing the potential electricity deficit for winter 2024/25 and possible solutions - ✓
  2. Modelling the impact of assumed NTCs (from the NECP for 2030) between Ukraine and neighbouring countries on the optimal dispatch of electricity - 🚧



Output from electricity deficit study

**Figure of the week – 30 editions and counting!**

# Selected policy papers

## Energy security

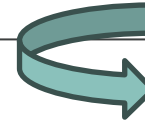
- Options to increase cross-border capacity between Ukraine and the EU
- Modelling the Electricity Deficit in Ukraine and Potential Policy Responses for the period June 2024 – May 2025

## Investment

- Facilitating private investment into flexible generation and storage

## Decarbonisation in progress

- CBAM
- Decarbonisation Fund
- Biomethane



[LINK](#) to reports

# Capacity Building

July 15 – August 14

September 9 – December 18



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PRO  
GREEN DEAL:  
**SMART CITIES**



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PRO  
GREEN DEAL:  
**FOR POLICYMAKERS**



# green deal UKRAINA



**HZB** Helmholtz  
Zentrum Berlin

 **Forum  
Energii**  
Analizy i dialog

 **dixigroup**

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ecoaction.org.ua