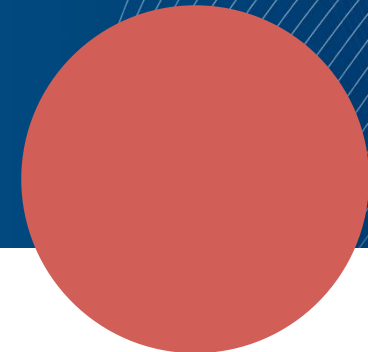


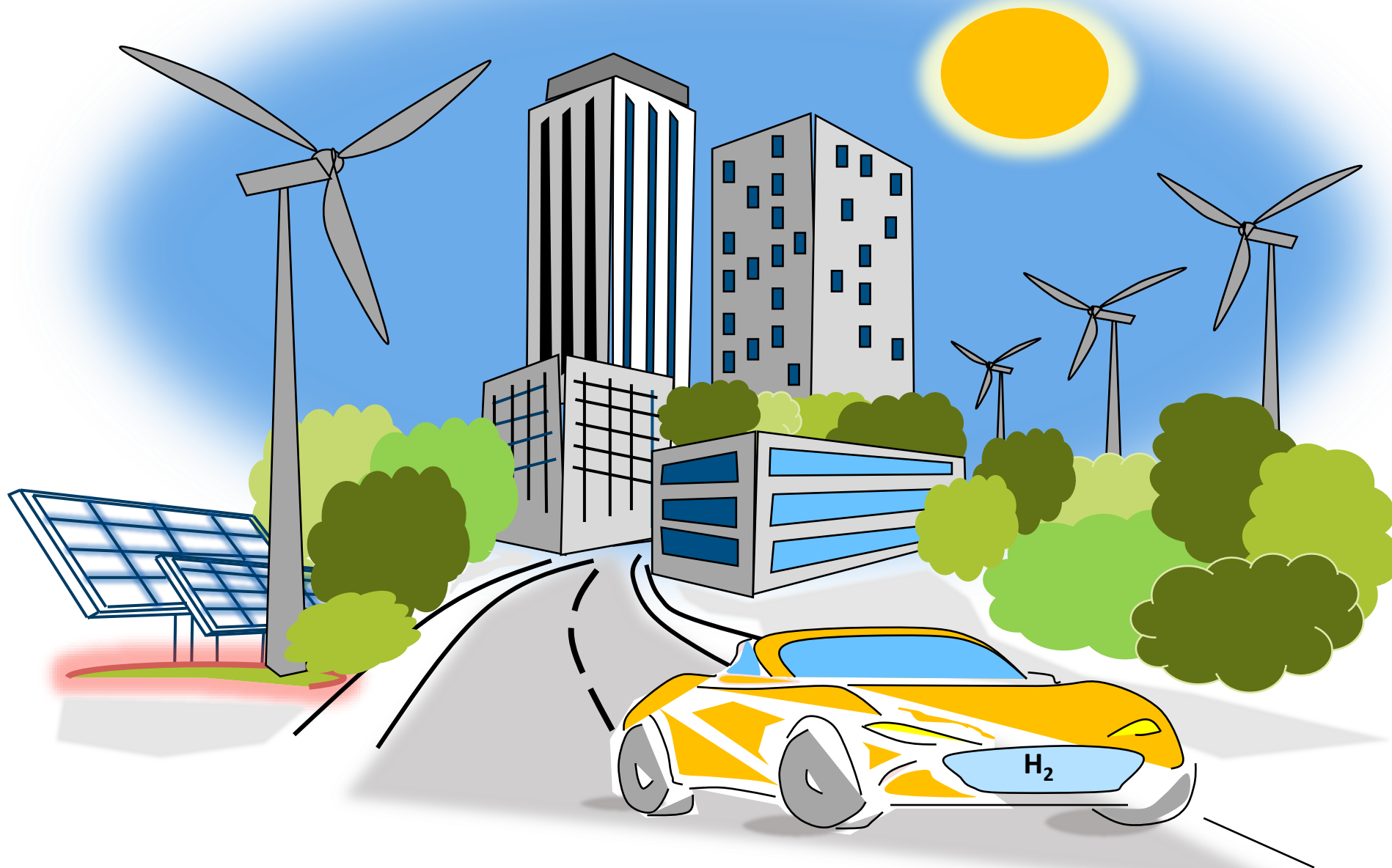
# RESEARCH AND DEVELOPMENT FOR SUSTAINABLE RECONSTRUCTION: THE EXAMPLES OF ENERGY AND AGRICULTURE

Olga Kasian

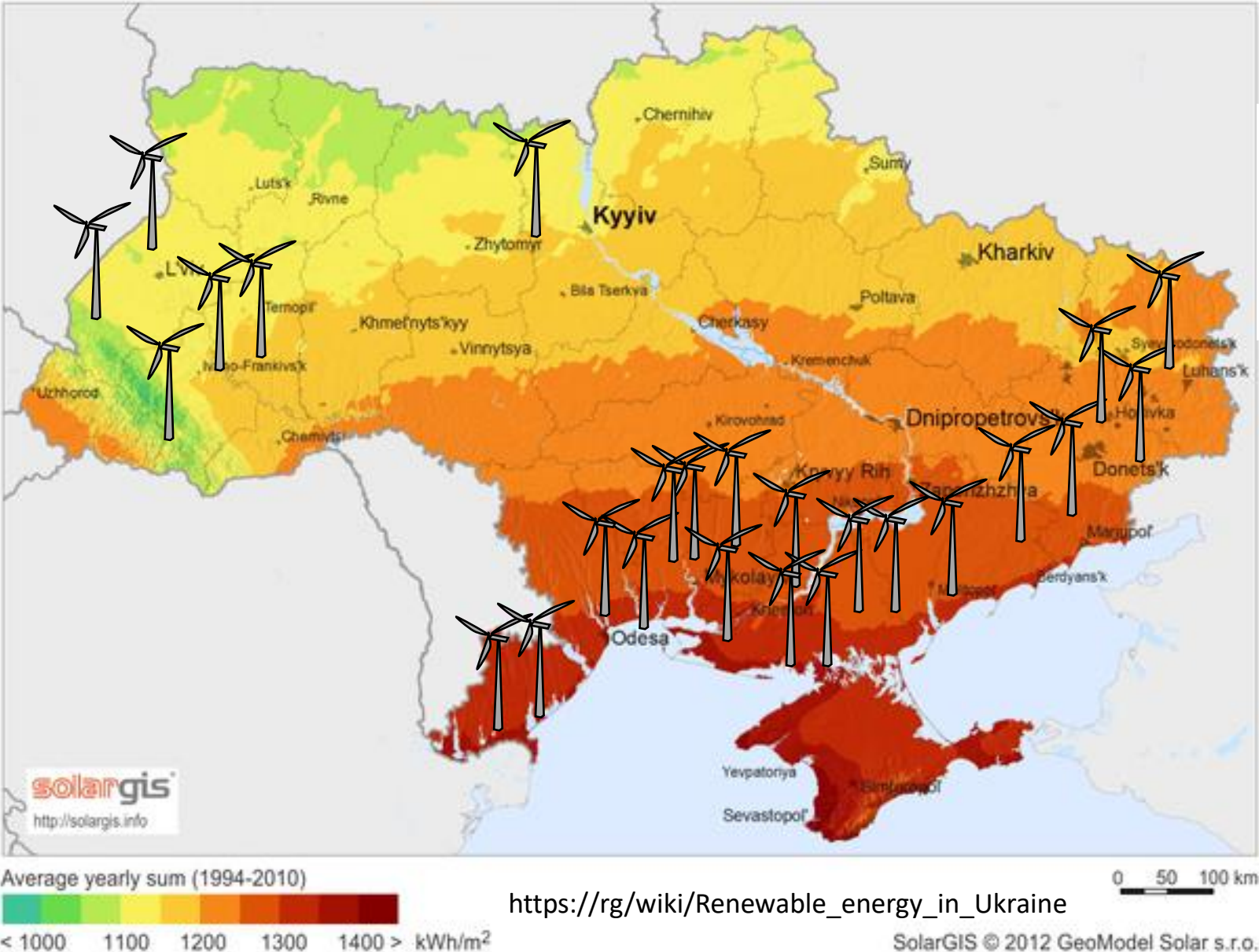
12.06.2024



RE can make the world better



# Potential for RE in Ukraine



## Ukraine's Electricity Mix Before the War

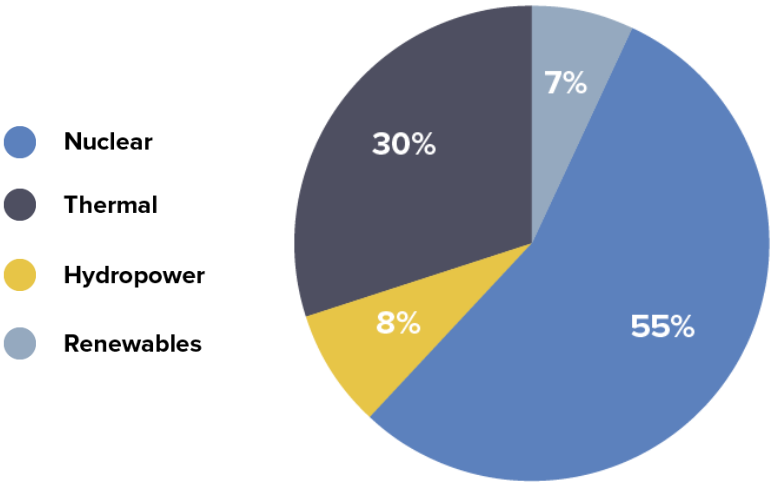
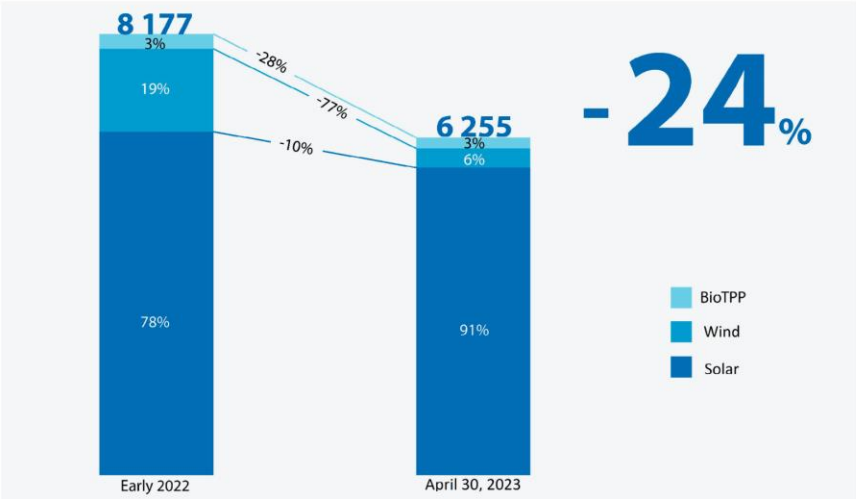
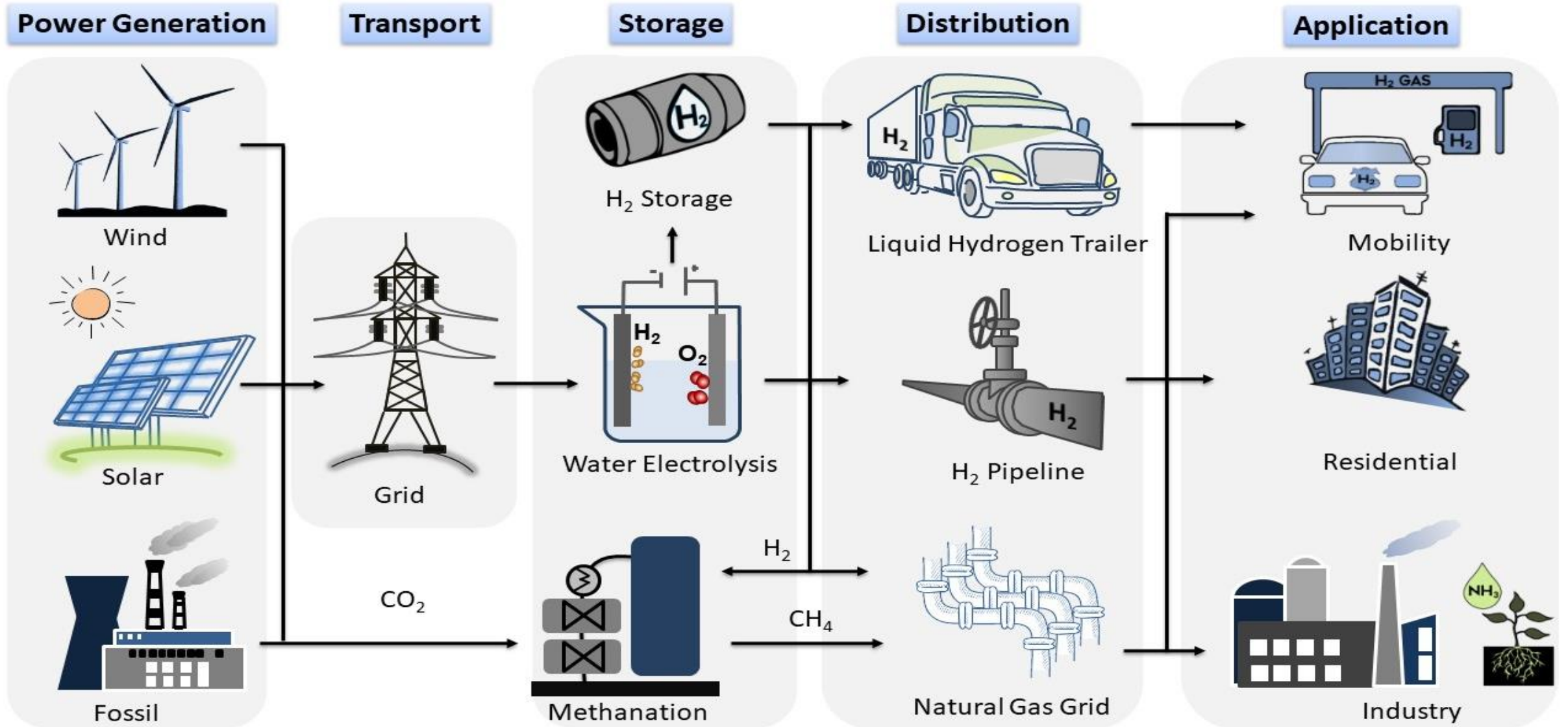


Figure 11. Available capacities of RES, MW

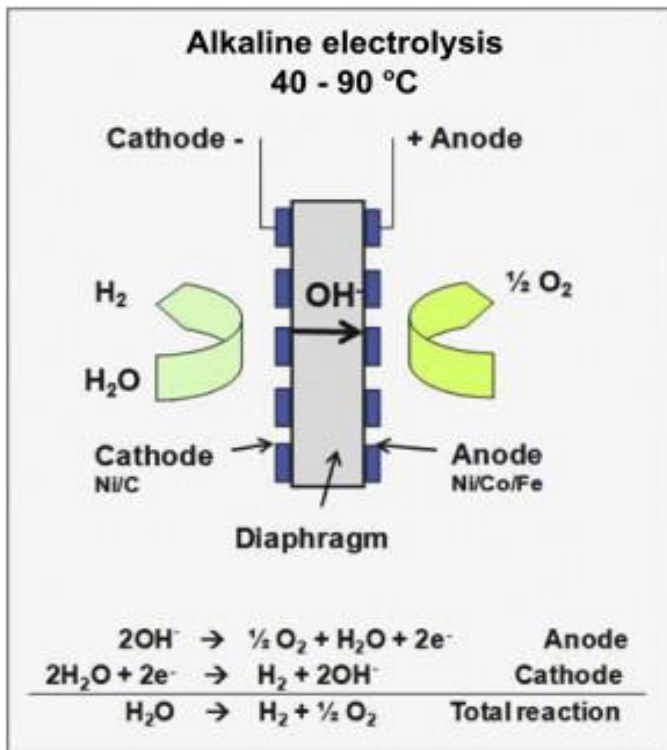


<https://www.undp.org/>

# Hydrogen in the Energy Cycle



## Expertise in Ukraine



- Mature Technology for MW hydrogen production
- Does not require expensive noble metals
- Does not require complex infrastructure
- Ukraine has expertise!

Lviv:  
Materials  
Science  
Corrosion



Kyiv:  
Materials Science  
Electrocatalysis



Kharkiv:  
Materials Science



Dnipro:  
Electrochemistry  
Batteries

