



STRENGTHENING POLICY & GOVERNANCE CAPACITY
FOR BLUE ENERGY IN CENTRAL AND EASTERN
EUROPE -

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PROSPECTS OF OFFSHORE WIND DEVELOPMENT IN UKRAINE

**Galyna Shmidt,
Member of the UWEA Board**

WIND POWER SECTOR OF UKRAINE

TOTAL INSTALLED WIND CAPACITY,
MAINLAND UKRAINE

1 754,5 MW

35 WPPs

81,6 MW

*New wind additions
in 2022*

~ 2 000

Jobs created



RUSSIA'S ENERGY TERRORISM

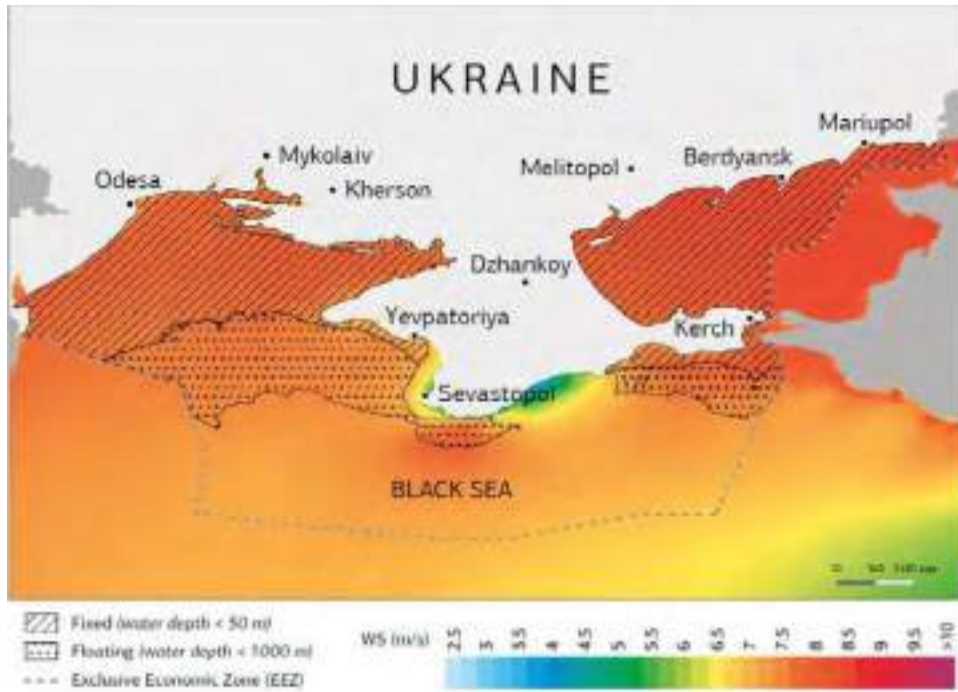
Energy infrastructure facilities, such as high-voltage grids, transformers and substations has been systematically shelled and destroyed by the Russian troops since the very first days of the war.

Russia's aggression and temporary occupation of some territories of Ukraine deprived the country of a significant part of the green generation. About 23% of renewable power plants installed in Ukraine have been affected.

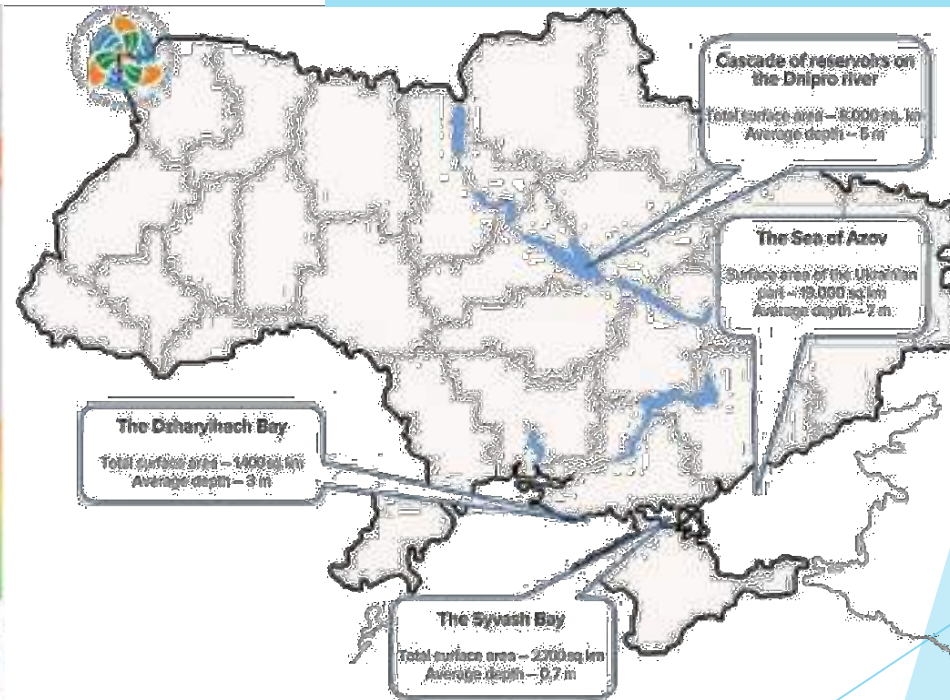


OFFSHORE WIND POTENTIAL IN UKRAINE

Theoretical potential 250 GW



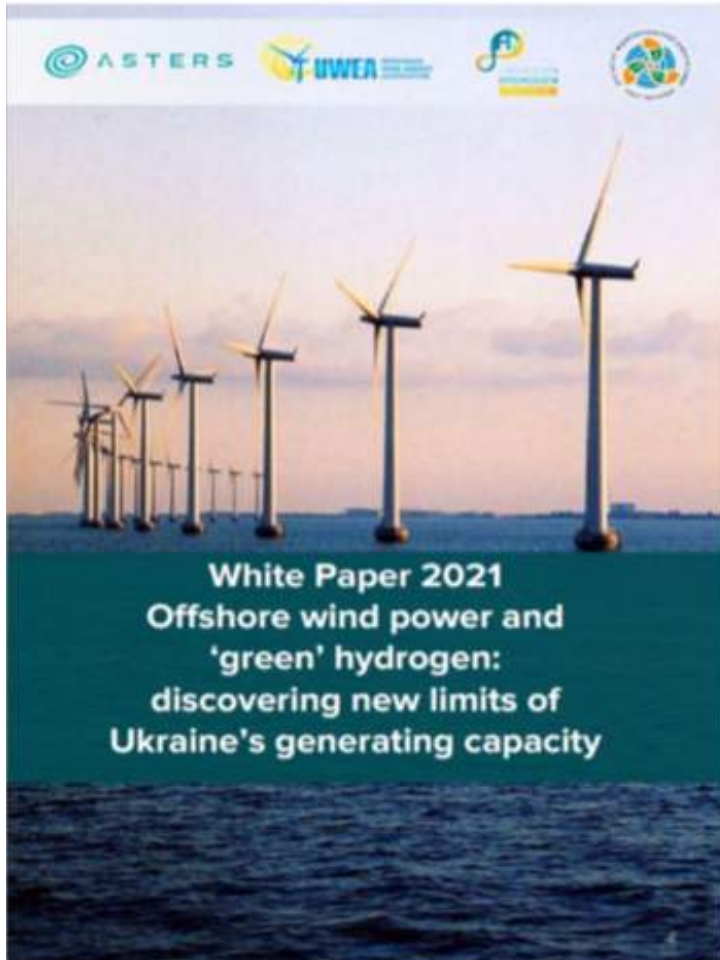
Source: World Bank



OFFSHORE WIND POTENTIAL ASSESSMENTS BY THE RENEWABLE ENERGY INSTITUTE OF THE NAS OF UKRAINE

Water areas	Shallow area, km ²	Area suitable for WPPs, %	Area for for WPPs, km ²	Density of installation, MW/km ²	WPP capacity, GW
Azov and Black Seas (Ukraine)	19000	30	5700	35	199.5
Syvash Bay	2500	25	625	30	18.8
Dnipro HPPs	6888	15	1033	25	25.8
Estuaries	1500	15	225	25	5.6
Total	29888	25	7583		249.7

OFFSHORE WIND WHITE PAPER



- ▶ White Paper "Offshore wind energy and green hydrogen: new frontiers of Ukraine's energy potential" was published in April 2021.
- ▶ The White Paper analyses the potential for offshore wind energy development in Ukraine, as well as the use of wind energy for the production of green hydrogen.
- ▶ The authors have presented convincing arguments in favor of the development of this energy sector and have suggested relevant changes to the Ukrainian legislation to facilitate investments in offshore wind energy and production of renewable hydrogen.

NEXT STEPS

- ▶ **OW Strategy** to establish a clear national role for Offshore wind
- ▶ **OW Policy** to set up realistic, short-, medium- and long-term targets and actions
- ▶ **Changes in Legislation** (Maritime spatial planning, regulation of the land and underwater area, EIA, regulatory norms to connect an offshore WPP to the TSO or DSO grids, Constructions permission etc)
- ▶ **Maritime spatial planning**
- ▶ **Wind Measurement Campaign**



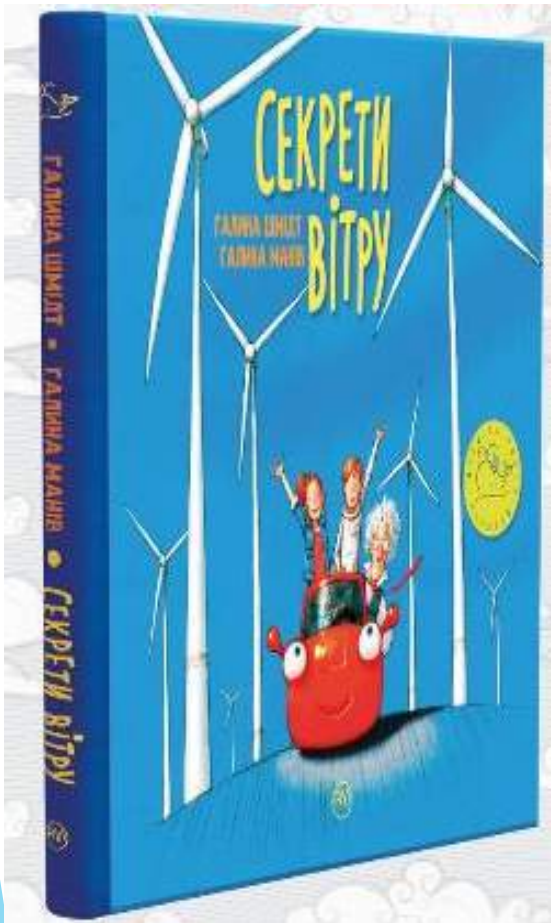
About UWEA:

- ▶ Founded in 2008
- ▶ The largest RES association in Ukraine
- ▶ Unites 100% of wind electricity producers in Ukraine
- ▶ Unites 82 companies from 14 countries
- ▶ Full member of WindEurope and the WWEA
- ▶ Trusted partner of IEA, BloombergNEF, REN21, WoodMackenzie
- ▶ Co-founder of Global 100%RE Ukraine
- ▶ Co-initiator of Black Sea Offshore Wind Energy Federation

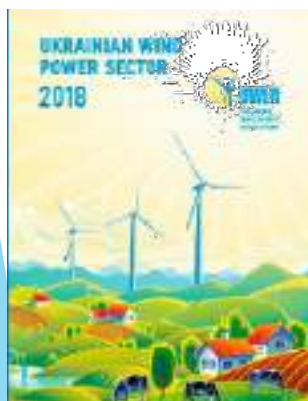


THE FIRST UKRAINIAN BOOK ON WIND POWER FOR KIDS

Presentation of the first Ukrainian book on wind power for kids at International Book Arsenal Festival in Kyiv, May 2021. More than 3,000 copies have been disseminated among schools and libraries in local communities where wind farms are located.



UWEA's ACTIVITY – 15 YEARS TOGETHER



RENEWABLE ENERGY – THE PATHWAY TO PEACE



СЛАВА УКРАЇНІ!



ГЕРОЯМ СЛАВА!