

ENVIRONMENTAL RECOVERY AND DEVELOPMENT:

CLEAN AND SAFE ENVIRONMENT





**Before the war Ukraine was
on the green transition track**

**Ukraine sees opportunities in green
recovery:**

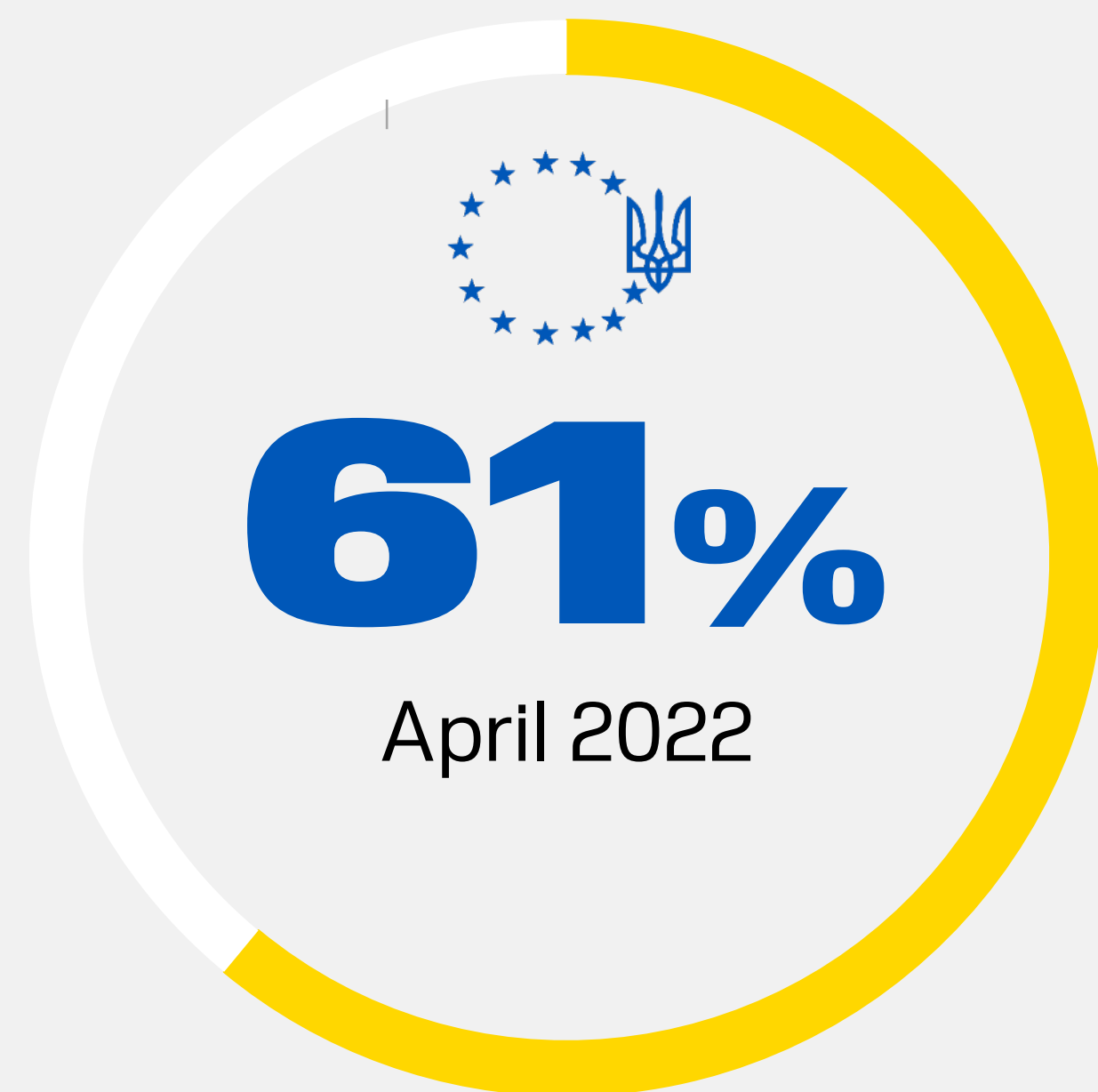
Build back better



Build back green

**Green projects are the driving force
of growth**

PROGRESS MADE BEFORE THE WAR



**Implementation of the EU -
Ukraine Association Agreement**
(Environment and Civil Protection)

- ✓ Emerald Network of 8 mln hectares of protected areas established
- ✓ Second Nationally Determined Contribution of Ukraine under the Paris Agreement approved
- ✓ EIA/ SEA implemented
- ✓ Waste management reform launched
- ✓ The Marine and Forest Strategies approved, and the Water Strategy is being finalized
- ✓ Green Country Program of the President of Ukraine launched
- ✓ MRV system launched as prerequisite for future national ETS
- ✓ Regulation of ozone-depleting substances and fluorinated greenhouse gases introduced

IMPACT OF RUSSIAN MILITARY AGGRESSION

>2500

Russian missiles: environmental pollution

15

operating nuclear reactors are under threat

143 000

explosives cleared: soil and air pollution

>40

oil depots and storages were attacked: emissions of toxic substances

>225

industrial facilities were destroyed or damaged

>300

sewage and water treatment systems were destroyed

812

protected areas are damaged/under threat of destruction

3 mln
hectares



forests suffered from the war

20%



protected areas under threat

160
thousands km²



natural areas are contaminated with explosive elements

>200
bln UAH

total damages to the Ukrainian environment

260

recorded facts of ecocide

>2000

crimes against the environment committed by Russia



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PRIORITY TASKS OF THE MINISTRY OF ENVIRONMENTAL PROTECTION AND NATURAL RESOURCES OF UKRAINE DURING THE WAR



Documentation of crimes against environment



Development of guidelines to assess environmental damages



Raising awareness of the state of the environment and risks for the population



Attracting green financing and investments (signed the EU LIFE Association Agreement)

DEVELOPMENT OF THE "ENVIRONMENTAL SAFETY" segment of UKRAINE RECOVERY PLAN

211

leading national and international experts joined the working group

9

thematic subgroups

32

meetings of thematic subgroups and cross-sectoral consultations

76

environmental protection projects in Ukraine Recovery Plan

25,5 bln EURO

preliminary assessment of necessary investments to implement projects

THE STRATEGIC OBJECTIVE OF POST-WAR RECOVERY:

CLEAN AND SAFE ENVIRONMENT

9 TIMELY ENVIRONMENTAL REFORMS

1

Integrated climate policy

Directive 2003/87/EC; Regulations 842/2006/EC, 2037/2000/EC, 2018/1999/EC; UNFCCC, Paris Agreement, Montreal Protocol

4

Effective waste management

Directives 2008/98/EC, 1999/31/EC, 2006/21/EC, 2004/35/EC, 2019/904/EC, 2002/96/EC, 94/62/EC, 2006/66/EC

7

Reform of regulation of industrial pollution

Directive 2010/75/EC

2

Complex system of environmental monitoring

Directive 2000/60/EC, 2008/50/EC, 2004/107/EC, 2001/18/EC, 2008/98/EC

5

Environmental control and liability

Directive 2004/35/EC

8

Sustainable use of natural resources

Directive 2008/56/EC, 2007/60/EC, 2000/60/EC, 94/22/EC, 2003/4/EC, 2006/21/EC, 2006/118/EC, 2014/87/Euratom, 2003/35/EC, 2001/42/EC, 2009/147/EC, 92/43/EC, Regulation No 995/2010

3

Environmental safety (chemical and radiation)

Regulation EC №1907/2006, Directive 2011/70/Euratom

6

Effective state management in the field of environmental protection

Directives 2011/92/EU, 2001/42/EC, 2003/4/EC, 2003/35/EC

9

Reform of the management of nature protected areas for the conservation of landscape and biological diversity

Directive 2009/147/EC, 92/43/EU

EXPECTED RESULTS OF REFORMS AND PROJECTS IMPLEMENTATION



Environmental and climate goals are integrated into sectoral policies
(synchronized with the European Green Deal)



Damage caused by harmful effects of floods is **reduced by 20%**



15 wildlife crossings (ecoducts) are built on animal migration routes



Industrial pollution is reduced
(quantification will be carried out after the end of hostilities)



Share of forest cover is 18% (by 2035)



Public administration is aligned with the **SIGMA/OECD principles, its digitalization**



Level of **chemical, radiation and nuclear safety** is increased



170 recreational nature features are established



>60% increase in trust to environmental control system is achieved



142 waste management facilities are operational



Complex system of environmental monitoring in line with European standards is established



10 protected areas following European best practices are organized



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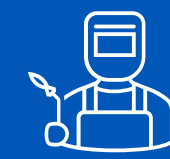
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TOP PROJECTS



WASTE MANAGEMENT

- 62** facilities for mechanical and biological processing of solid household waste
- 27** waste-to-energy facilities
- 27** landfills aligned with EU best practices
- 4** hazardous waste disposal plants
- 4** plants for processing used oil products
- 4** vehicle recycling plants
- 2** batteries recycling plants
- 12** plants for processing wastes of the war



GREEN MODERNIZATION OF INDUSTRIAL INSTALLATIONS:

10 times less greenhouse gas emissions



PRESERVATION OF LANDSCAPE AND BIOLOGICAL DIVERSITY

- 9** centers for growing forest tree seedlings
- 7.5K** kilometers of forest roads
- 10** protected areas following European best practices
- 15** wildlife crossings (ecoducts) on animal migration routes
- 10** rehabilitation centers for wild animals

WASTE MANAGEMENT

(20/06/2022 the Law of Ukraine "On Waste Management" was adopted)

EXPECTED RESULTS:

- the construction of waste processing plants and waste-to-energy facilities will contribute to the creation of a network of waste sorting stations
- creation of new jobs
- solving the problem of waste management, ensuring compliance with environmental safety standards



INVESTMENT OPPORTUNITIES

62	facilities for mechanical and biological processing of solid household waste	1.61 bln €
27	waste-to-energy facilities	3.78 bln €
27	landfills aligned with EU best practices	1.35 bln €
4	hazardous waste disposal plants	80 mln €
4	plants for processing used oil products	300 mln €
4	vehicle recycling plants	100 mln €
2	batteries recycling plants	100 mln €
12	plants for processing wastes of the war	50 mln €

GREEN MODERNIZATION OF INDUSTRIAL INSTALLATIONS

Import of
innovative
technologies

10 times less
greenhouse gas
emissions

10
bln €



EXPECTED RESULTS:

- 10 times less greenhouse gas emissions
- Implementation of the Directive 2010/75/EU on industrial emissions (BATC and BREFs)
- improvement of environmental and energy indicators
- demonstration of successful reconstruction
- products will not be subject to the carbon border adjustment mechanism (CBAM)
- reduction of production costs, consumption of resources and energy, improvement of working conditions

CONSERVATION OF LANDSCAPE AND BIOLOGICAL DIVERSITY



10

protected areas aligned with
EU standards

576
mln €

EXPECTED RESULTS:

- recognition of one Ukrainian national park as the best in Europe
- 3X increase in revenues of NPF territories
- meeting the needs of citizens in domestic tourism in time of war and COVID-19 pandemic
- about 1 000 new jobs



9

forest seed centers

16
mln €

EXPECTED RESULTS:

- 9 new forest seed centers and expansion of 2 existing ones for growing seedlings with closed root system
- up to 30 mln pieces of planting material per year
- 6.7 thousands hectares of afforestation area annually
- 150 new jobs

BIODIVERSITY CONSERVATION PROJECTS HAVE BOTH ECONOMIC AND ENVIRONMENTAL BENEFITS



10

rehabilitation centers for wild animals

1.3
mln €

EXPECTED RESULTS:

- new facilities for green tourism and environmental education
- cooperation with scientific institutions of the EU regarding the rehabilitation of living nature
- Ukraine's international image improved
- 300 new jobs



15

15 wildlife crossings (ecoducts)
on animal migration routes

64
mln €

EXPECTED RESULTS:

- conservation of wildlife populations and prevention of defragmentation of ecosystems
- increasing road safety
- Ukraine's fulfillment of international environmental protection obligations
- practical implementation of environmentally friendly technologies

HOW INTERNATIONAL PARTNERS CAN SUPPORT

Provide technical support to the Government of Ukraine in building a climate governance architecture to help Ukraine achieve a green and just transition.

Invest in environmental recovery projects and help boost the green economy of Ukraine to contribute towards Ukraine's swift reconstruction.

Create equal opportunities for Ukraine as Europe's partner in finance, knowledge, market access to support its economic recovery.

Financial and in-kind support in overcoming the consequences of military actions on the territory of Ukraine - demining of natural territories, forests, marine waters, fighting environmental pollution, cleaning up war waste.



**NATURE KNOWS
NO BORDERS**

BRAVERY 

THANK YOU!

