

## Information bulletin<sup>1</sup> № 6

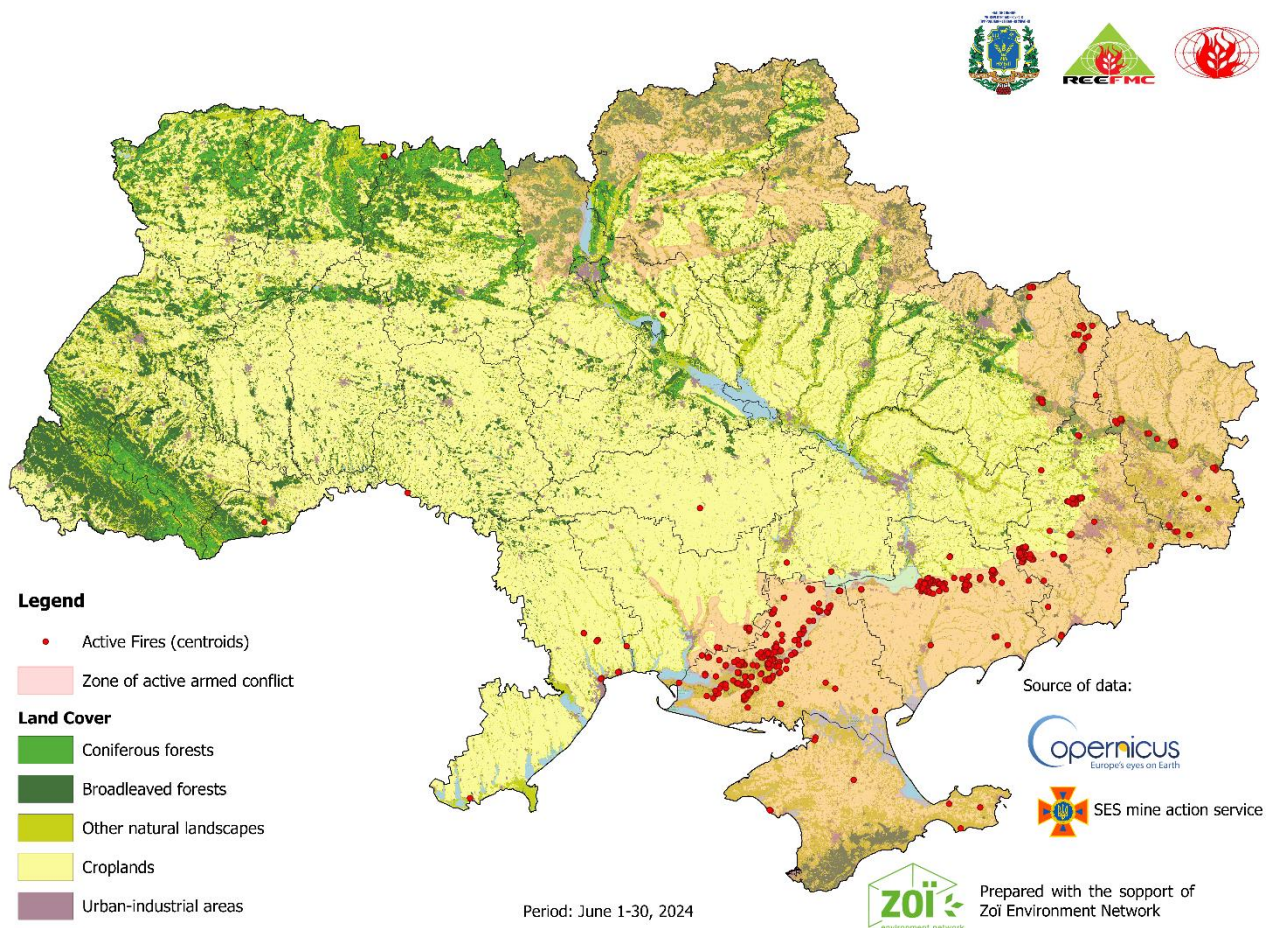
July 1, 2024

### FIRES ON THE TERRITORY OF UKRAINE

(in ecosystems, agricultural lands and in cities<sup>2</sup>)

For the period of 01.06.2024 to 30.06.2024

#### 1. Map of active fires on the territory of Ukraine for the period of 01.06.2024 to 30.06.2024



<sup>1</sup> The bulletin was prepared with the financial support of the Swiss organization «Zoi Environment Network» [www.zoinet.org](http://www.zoinet.org)

<sup>2</sup> Methodology for fire monitoring is presented on the last page of this bulletin

**Table 1. Statistics of fires on the territory of Ukraine for the period of 01.06.2024 to 30.06.2024**

Oblast	Numbers of fires	Area of fires, ha	Distribution of fire area by types of landscapes <sup>2</sup> , ha					Area of fires in nature conservation zones <sup>1</sup>
			Forests	Thereof coniferous	Agricultural lands	Other natural landscapes	Settlements	
A	B	C	D	E	F	G	H	I
Crimea	7	583	0	0	39	544	0	458
Vynnytsia	1	16	0	0	11	5	0	16
Dnipropetrovska	2	12	0	0	10	2	0	2
Donetsk	104	1876	42	3	1013	775	46	82
Zaporizhzhya	96	1773	8	0	1212	542	11	0
Kyiv	1	73	0	0	73	0	0	0
Kirovograd	1	2	0	0	2	0	0	0
Luhansk	32	1962	310	175	435	1210	7	1354
Mykolaiv	11	110	0	0	69	33	8	44
Odesa	11	266	2	0	87	167	10	0
Rivne	1	7	2	2	0	5	0	0
Kharkiv	32	414	127	107	77	205	5	120
Kherson	212	5757	975	364	3152	1529	101	918
Chernivtsi	1	3	0	0	3	0	0	0
<b>Total, ha</b>	<b>512</b>	<b>12854</b>	<b>1466</b>	<b>651</b>	<b>6183</b>	<b>5017</b>	<b>188</b>	<b>2994</b>
<i>Including the Direct Impact of Military Combat Zone 60 km (30+30 km)<sup>3</sup></i>								
Dnipropetrovs'k	2	12	0	0	10	2	0	2
Donetsk	101	1672	42	3	982	602	46	82
Zaporizhzhia	96	1773	8	0	1212	542	11	0
Luhansk	24	882	310	175	86	479	7	858
Mykolaiv	11	110	0	0	69	33	8	44
Kharkiv	32	414	127	107	77	205	5	120
Kherson	210	5617	975	364	3056	1485	101	778
<b>Total, ha</b>	<b>476</b>	<b>10480</b>	<b>1462</b>	<b>649</b>	<b>5492</b>	<b>3348</b>	<b>178</b>	<b>1884</b>
<b>%</b>	<b>93</b>	<b>82</b>	<b>100</b>	<b>100</b>	<b>89</b>	<b>67</b>	<b>95</b>	<b>63</b>

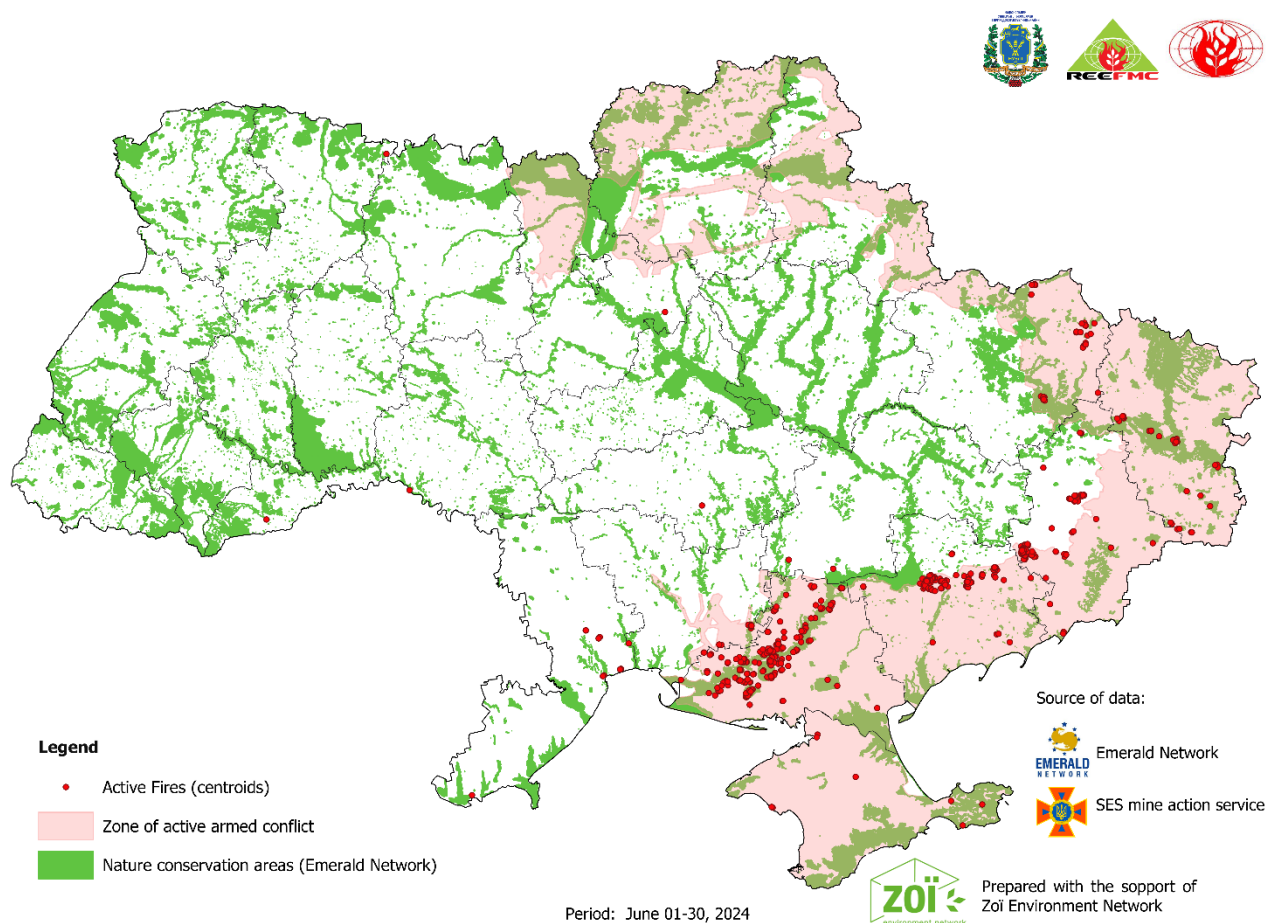
*Explanatory Note:*

<sup>1</sup> In the research, we have used the network of nature conservation areas of European importance, which was created to implement the provisions of the Berne Convention on the Protection of Wild Flora and Fauna and Natural Habitats in Europe (Emerald Network) (<http://emerald.net.ua/>).

<sup>2</sup> Monthly totals in Columns B and C include the number of fires and area burned all over Ukraine (total of columns D, F, G and H).

<sup>3</sup> Military Combat Zone: Permanent corridor spanning 30 km on each side of the LoC. The corridor is determined at the beginning of active military combat and continues to be included in the monitoring areas even after ending of active military combat operations. Reason: Unexploded explosive ordnance remained in this area and continues to pose a threat of ignition. Direct impact of military operations - 60 km along frontline with both sides (30+30) of most intensive shelling and concentration of troops. Daily front line coordinates were provided by ZOI Network for define fires that occurred in the zone of direct impact (ZDI).

## 2. Map of fires in the nature conservation areas (Emerald Network) for the period from 01.06.2024 to 30.06.2024.



**Table 2. Statistics of fires in the areas of nature conservation (Emerald network<sup>1</sup>) for the period of 01.06.2024 to 30.06.2024**

Oblast	Area of fires, ha	Distribution of fire area by types of landscapes <sup>2</sup> , ha				
		Forests	Thereof coniferous	Agricultural lands	Other natural landscapes	Settlements
A	B	C	D	E	F	G
Crimea	458	0	0	8	450	0
Vinnitsia	16	0	0	11	5	0
Dnipropetrovska	2	0	0	0	2	0
Donetsk	82	0	0	50	32	0
Luhansk	1354	300	174	372	682	0
Mykolaiv	44	0	0	16	28	0
Kharkiv	120	52	46	0	68	0
Kherson	918	352	196	128	438	0
<b>Total</b>	<b>2994</b>	<b>704</b>	<b>416</b>	<b>585</b>	<b>1705</b>	<b>0</b>
<i>Including the Direct Impact of Military Combat Zone<sup>3</sup> 60 km (30+30 km)<sup>3</sup></i>						
Dnipropetrovsk	2	0	0	0	2	0
Donetsk	82	0	0	50	32	0
Luhansk	858	300	174	86	472	0
Mykolaiv	44	0	0	16	28	0
Kharkiv	120	52	46	0	68	0
Kherson	778	352	196	32	394	0
<b>Total</b>	<b>1884</b>	<b>704</b>	<b>416</b>	<b>184</b>	<b>996</b>	<b>0</b>
<b>%</b>	<b>63</b>	<b>100</b>	<b>100</b>	<b>31</b>	<b>58</b>	<b>0</b>

*Explanatory Note:*

<sup>1</sup> In the research, we have used the network of nature conservation areas of European importance, which was created to implement the provisions of the Berne Convention on the Protection of Wild Flora and Fauna and Natural Habitats in Europe (Emerald Network) (<http://emerald.net.ua/>).

<sup>2</sup> Monthly totals in Column B include the area burned of fires over Ukraine (total of columns C, E, F and G).

<sup>3</sup> Military Combat Zone: Permanent corridor spanning 30 km on each side of the LoC. The corridor is determined at the beginning of active military combat and continues to be included in the monitoring areas even after ending of active military combat operations. Reason: Unexploded explosive ordnance remained in this area and continues to pose a threat of ignition. Direct impact of military operations - 60 km along frontline with both sides (30+30) of most intensive shelling and concentration of troops. Daily front line coordinates were provided by ZOI Network for define fires that occurred in the zone of direct impact (ZDI).

---

### **3. Methodology for fire monitoring**

Daily front line coordinates were provided by ZOI Network for define fires that occurred in the zone of direct impact (ZDI). Distribution of burned land cover types within fire perimeters were mapped using the Copernicus Dynamic Land Cover map at 100 m resolution for 2019 ([Copernicus Global Land Operations "Vegetation and Energy"](#)), which provides a detailed description of land cover as of 2019 with a resolution of 100 m. Detailed information about the product - [https://land.copernicus.eu/global/sites/cgls.vito.be/files/products/CGLOPS1\\_ATBD\\_LC100m-V2.0\\_I2.00.pdf](https://land.copernicus.eu/global/sites/cgls.vito.be/files/products/CGLOPS1_ATBD_LC100m-V2.0_I2.00.pdf).

The network of nature conservation areas of European importance, which was created to implement the provisions of the Berne Convention on the Protection of Wild Flora and Fauna and Natural Habitats in Europe (Emerald Network) (<http://emerald.net.ua/>), was used for the analysis of areas of nature conservation value that were affected by fires.

The analysis was performed using a free geographic information system. QGIS (3.2.1), which is one of the most functional and convenient desktop geographic information systems.