

[EU SDG 15_42] Drought impact on ecosystems

Monitoring meteorological drought impacts supports policy measures that target, among others, greenhouse gas removals and the adaptation of ecosystems to climate change. In 2022, Europe experienced its hottest summer and second warmest year on record, and consequently the largest overall drought impacted area: over 630,000km² as opposed to the 167,000km² annual average impacted area between 2000 and 2022. Between 2000 and 2022 there is an increasing trend in drought-impacted areas in the EU. Drought impacts may increase further if global mitigation and EU and national adaptation strategies are not effectively implemented.

Simple

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Continents, countries, sea regions of the world.	<ul style="list-style-type: none"> • EU27 (from 2020)
EEA Management Plan	<ul style="list-style-type: none"> • 2023 2.2.3
Keywords	
Keywords	
EEA topics	<ul style="list-style-type: none"> • Soil • Land use • Climate mitigation • Climate adaptation • Sustainability
GEMET	<ul style="list-style-type: none"> • land cover • environmental policy • ecosystem • drought • statistical data
Aggregate Datasetidentifier	c7eb5511-99e7-43ec-b9d5-36d923729a19
Association Type	Is composed of
Aggregate Datasetidentifier	0e688c92-cbac-4521-a45d-055c10c64d3f
Association Type	Is composed of
Aggregate Datasetidentifier	56b5d508-2ba1-4386-a0d2-e4161b7be5c8
Association Type	Is composed of
Aggregate Datasetidentifier	1395c806-9f07-4ed0-9a15-9d7ed5b417b2
Association Type	Is composed of

Language of dataset	English
Character set	UTF8
Topic category	<ul style="list-style-type: none"> • Biota • Climatology, meteorology, atmosphere • Environment
Begin date	2000-01-01
End date	2022-12-31

Metadata

File identifier	c7c868d8-95dc-4f23-9dde-4cdc2738cc4d XML
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Overviews

Dataset for Indicator		Drought impact on ecosystems in Europe																							
Conditions		LSIO11																							
Unit		drought impact area (km2)																							
Coverage		EU27																							
Legend		AGG= Aggregate																							
		MS= Member State																							
		EFTA= EFTA country																							
		CC= Candidate Country																							
		TIME																							
Type	GEO (Labels)	GEO (Codes)	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
AGG	European Union (aggregate changing according to the context)	EU_V	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:
AGG	European Union - 27 countries EU27_2020		165343	81008	106590	420001	21259	224611	129562	79374	34472	74999	25363	123474	396596	10001	35811	127843	70799	162724	293169	325618	241058	56370	631220
MS	Belgium	BE	0	0	0	301	0	0	0	0	0	0	0	4105	0	109	12	0	0	3082	5364	2195	14041	1	16248
MS	Bulgaria	BG	50059	38792	2282	4320	106	2	0	11663	372	2490	3	255	1355	147	34	20	18	1650	13	123	9008	275	5183
MS	Czechia	CZ	5728	943	886	5582	2414	6	47	3425	21	19	6	51	4612	0	215	6086	10	3377	20371	6240	1902	31	5571
MS	Denmark	DK	12	0	0	24	136	64	94	0	340	414	13	58	31	488	52	0	2	7	18426	439	194	12	6439
MS	Germany	DE	153	48	0	61964	2301	57	279	168	9	173	4	14220	3456	2	1089	9538	482	2259	89918	67919	66100	354	66991
MS	Estonia	EE	43	0	4415	1710	0	0	30856	0	0	0	0	1	0	3	11	170	233	226	13469	3214	2	646	3079
MS	Ireland	IE	0	0	0	690	16	0	165	0	1	3	31	3	2	978	231	2	0	24	1052	25	61	141	3638
MS	Greece	EL	27986	13141	149	42	24	15	1	12251	6234	435	1350	104	5497	920	299	27	9636	3451	3374	424	1605	6107	5790
MS	Spain	ES	13095	5412	12430	4816	24	139565	9570	990	4076	39810	975	8908	150313	101	16647	8498	21797	28849	1940	28017	148	2367	46481
MS	France	FR	26	279	5087	107990	2083	20358	1413	2438	3307	2228	8753	70682	12960	8	1229	1324	3514	28016	2040	62266	58017	1321	229592
MS	Croatia	HR	6651	1	53	20624	0	0	0	282	2	179	0	5300	20017	1	6	634	2	5680	49	72	1487	507	15651
MS	Italy	IT	11532	10979	24908	14944	504	1436	4204	19679	10568	1771	1096	5717	29946	703	670	2107	6296	48356	2643	2396	4732	3590	52285
MS	Cyprus	CY	47	0	0	0	0	0	165	11	4333	0	0	37	0	1	5023	0	4454	749	1203	0	5	668	197
MS	Latvia	LV	360	0	8904	8092	7	0	15296	0	241	2518	5010	9	34	161	522	228	539	135	5043	12641	1171	1632	869
MS	Lithuania	LT	8	0	18618	3650	0	14	5580	0	1432	1198	254	0	25	0	2	1304	69	5	11963	32239	2814	267	19
MS	Luxembourg	LU	0	0	0	0	0	0	0	0	0	0	0	1105	0	0	0	0	0	342	568	764	1913	0	1855
MS	Hungary	HU	2860	393	3278	16784	0	0	5394	0	422	0	434	40368	0	418	3304	0	2100	0	1021	345	1211	19962	
MS	Malta	MT	0	0	21	0	0	0	0	0	0	0	148	0	0	78	0	0	230	0	49	0	2	3	0
MS	Netherlands	NL	0	0	0	73	1	0	0	0	0	1	0	1	0	0	9	0	9	15	11964	2038	6410	0	5037
MS	Austria	AT	4332	6075	2817	23954	1405	450	605	2328	27	70	1068	1744	2297	6	25	5953	138	2076	6694	2449	351	929	7458
MS	Poland	PL	7344	28	6797	48901	8968	4778	18263	758	43	49	31	1	25342	835	641	65308	13162	3776	24115	53992	11442	4679	27173
MS	Portugal	PT	0	1	3420	0	4	57069	38	0	277	14073	5	2483	34331	38	66	3839	0	2029	21	3560	24	3	31267
MS	Romania	RO	32962	3849	5056	36254	1228	0	0	18561	1065	3019	0	514	48038	3107	1552	5021	719	3520	121	952	32200	300	34462
MS	Slovenia	SI	1572	1	124	8502	1	1	2	74	0	6	6	1211	3783	16	0	114	50	2189	52	116	231	409	10574
MS	Slovakia	SK	576	0	338	8605	23	0	13	585	0	17	0	16	14723	873	476	4758	525	3916	1100	499	44	119	10100
MS	Finland	FI	0	0	5720	21984	173	26	34887	199	0	1449	1108	5027	45	513	3443	1244	718	2503	23703	20199	12039	12368	8903
MS	Sweden	SE	0	65	1286	10293	2739	769	8286	567	2120	5854	5493	1486	76	913	3148	7764	8208	14492	50914	19878	14769	15533	15516
EFTA	Iceland	IS	857	3	43	0	3	65	9	39	18	36	3	71	142	253	151	918	75	537	2202	3701	299	8887	1748
EFTA	Liechtenstein	LI	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	1	15	47	5	15	0	4	
EFTA	Norway	NO	4	57	3027	4445	125	46	566	2	2153	439	1253	1741	730	2697	12109	4197	2092	948	13898	4767	4698	16250	7515
EFTA	Switzerland	CH	0	3	6	2213	33	95	334	12	1	644	538	2708	458	95	26	1107	121	2150	5954	2717	3063	405	5880
CC	Bosnia and Herzegovina	BA	18833	3	150	17408	0	0	0	149	0	24	0	554	6892	947	1	447	0	2137	7	27	856	2000	24121
CC	Montenegro	ME	1719	0	0	874	0	0	0	0	0	0	0	405	4054	4	0	274	0	1090	8	36	164	575	3446
CC	North Macedonia	MK	1089	3519	0	3	0	0	0	328	0	0	0	1	484	3	0	0	0	1930	1	34	11	26	729
CC	Albania	AL	1625	205	11	2890	0	0	0	1445	256	1	0	218	703	0	0	647	9	4104	35	273	643	1465	4290
CC	Serbia	RS	32691	2862	237	4738	0	0	0	3671	0	46	0	481	14525	1589	8	419	0	2752	11	52	456	1333	12015
CC	Turkiye	TR	25903	56615	9	14298	3350	929	7993	109831	106247	1651	5925	96	1536	6851	46583	135	20321	49448	6723	12488	24308	149783	64719
CC (potential)	Kosovo (under United Nations)	KK	1287	403	21	155	0	0	0	0	0	0	0	47	1146	2	0	18	0	8	0	662	297	775	1210

Provided by

