

Supplementary Material

1 Tables

Table 1: Fire exposure metrics by country. All numeric values rounded to 2 decimal places.

Country	Duration (days, mean)	Extent (km, mean)	Frequency: Lines intersected (%)	Frequency: Fires per line (mean)	Size (km ² , mean)
Abyei	6.46	1.01	78.95	11.87	6.49
Afghanistan	6.62	0.99	0.80	2.79	4.07
Albania	8.32	0.99	5.41	1.74	10.78
Algeria	7.82	0.95	5.32	1.72	19.72
Angola	8.96	1.51	69.62	33.35	23.21
Argentina	6.71	0.82	19.53	5.59	8.61
Armenia	8.76	0.81	6.62	2.11	12.48
Arunachal Pradesh	6.25	0.59	16.97	2.01	1.90
Australia	8.44	1.67	15.71	5.72	43.26
Austria	16.55	0.69	1.07	1.10	10.00
Azerbaijan	9.41	1.24	6.99	4.14	22.05
Bahamas	12.57	1.90	29.13	4.83	18.42
Bangladesh	7.78	0.85	1.40	2.03	5.09
Barbados	0.00	0.00	0.00	0.00	0.00
Belarus	6.90	0.64	7.56	1.35	5.50
Belgium	5.93	0.54	0.13	1.17	1.86
Belize	8.71	0.94	28.53	5.80	5.22
Benin	8.03	1.28	58.26	10.05	13.78
Bhutan	10.85	0.93	15.66	2.69	10.38
Bolivia	8.75	1.05	14.04	5.77	12.81
Bosnia & Herzegovina	7.08	0.81	5.76	1.87	6.96
Botswana	9.77	4.28	15.48	5.95	313.86
Brazil	8.87	1.07	18.31	4.52	10.71
British Virgin Islands	0.00	0.00	0.00	0.00	0.00
Brunei Darussalam	7.25	0.32	1.16	1.00	0.92
Bulgaria	8.17	0.73	13.96	2.09	4.63
Burkina Faso	7.65	1.37	49.09	14.63	16.51
Burundi	7.19	0.73	19.36	3.67	4.09
Cambodia	11.43	1.20	51.24	18.58	16.99
Cameroon	7.76	1.16	33.24	12.62	9.58
Canada	11.96	1.85	3.13	1.97	90.62
Cape Verde	0.00	0.00	0.00	0.00	0.00
Cayman Islands	0.00	0.00	0.00	0.00	0.00
Central African Republic	9.52	1.26	88.78	27.74	12.72
Chad	8.78	1.41	68.12	22.75	15.59
Chile	8.30	1.06	10.16	2.43	32.42
China	9.74	0.91	12.61	2.90	44.64
Colombia	8.87	1.12	10.29	4.15	10.55
Comoros	0.00	0.00	0.00	0.00	0.00

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Country	Duration (days, mean)	Extent (km, mean)	Frequency: Lines intersected (%)	Frequency: Fires per line (mean)	Size (km ² , mean)
Congo	7.57	1.04	59.60	25.29	7.84
Costa Rica	7.58	0.78	5.47	3.58	3.48
Croatia	7.62	0.87	4.62	1.29	9.96
Cuba	7.95	0.74	24.47	3.54	3.34
Cyprus	6.75	1.21	4.51	1.21	11.75
Czech Republic	6.44	0.50	1.03	1.25	2.03
Côte d'Ivoire	7.12	0.97	40.61	7.79	8.94
Democratic People's Republic of Korea	5.31	0.70	8.42	1.80	4.53
Democratic Republic of the Congo	8.22	1.28	61.88	27.23	12.15
Denmark	12.92	0.87	2.05	1.22	4.88
Djibouti	5.33	1.18	2.13	1.50	2.00
Dominican Republic	10.20	0.71	9.57	2.63	4.92
Ecuador	10.62	0.79	5.09	2.73	8.00
Egypt	14.25	0.66	6.59	3.92	9.56
El Salvador	6.71	0.64	9.66	2.31	2.37
Equatorial Guinea	7.33	0.51	0.56	1.00	0.85
Eritrea	5.10	1.38	3.55	5.17	7.10
Estonia	5.70	0.54	1.75	1.57	1.99
Ethiopia	9.50	1.59	26.38	20.71	63.51
Falkland Islands (Malvinas)	0.00	0.00	0.00	0.00	0.00
Fiji	0.00	0.00	0.00	0.00	0.00
Finland	4.57	0.60	2.23	1.11	9.07
France	9.95	0.83	1.47	1.33	9.53
French Guiana	5.00	0.76	7.94	1.53	2.21
Gabon	9.11	1.30	16.93	9.34	11.84
Gambia	6.99	1.76	43.53	21.76	13.23
Georgia	7.77	0.92	3.98	2.54	9.61
Germany	13.11	0.72	0.30	1.05	5.74
Ghana	9.74	1.31	45.00	13.93	23.89
Greece	9.72	1.11	11.42	1.74	71.54
Greenland	0.00	0.00	0.00	0.00	0.00
Grenada	0.00	0.00	0.00	0.00	0.00
Guadeloupe	0.00	0.00	0.00	0.00	0.00
Guantanamo	0.00	0.00	0.00	0.00	0.00
Guatemala	8.03	0.75	15.89	8.41	3.44
Guernsey	0.00	0.00	0.00	0.00	0.00
Guinea	6.81	1.01	86.83	19.29	7.87
Guinea-Bissau	6.30	1.05	78.57	9.55	4.89
Guyana	8.72	1.17	22.15	11.85	4.92
Haiti	5.43	0.69	2.18	2.10	1.81
Honduras	8.31	0.73	16.73	3.66	3.79
Hong Kong	8.58	0.64	11.54	1.43	5.90
Hungary	8.44	0.78	4.51	1.30	4.97
Iceland	0.00	0.00	0.00	0.00	0.00
Ilemi Triangle	0.00	0.00	0.00	0.00	0.00
India	10.27	0.70	8.41	8.42	23.83
Indonesia	12.64	0.90	7.38	2.89	6.79
Iran (Islamic Republic of)	7.50	0.67	8.31	3.33	8.03
Iraq	7.28	0.79	19.32	2.51	13.21
Ireland	15.33	1.57	0.08	1.00	13.40
Israel	4.69	0.77	1.76	1.08	7.39
Italy	8.17	0.81	4.43	1.89	9.64
Jamaica	9.07	0.70	4.37	1.74	2.54

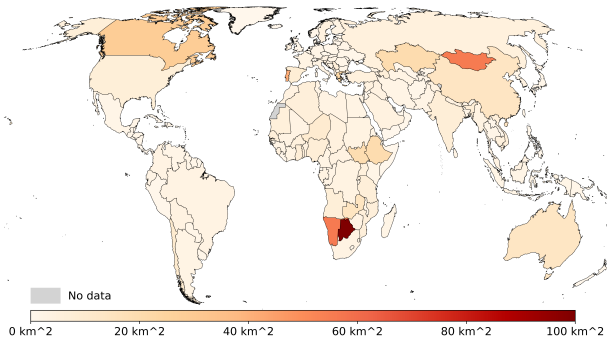
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Country	Duration (days, mean)	Extent (km, mean)	Frequency: Lines intersected (%)	Frequency: Fires per line (mean)	Size (km ² , mean)
Jammu-Kashmir	8.35	0.70	8.80	2.83	11.56
Japan	5.77	0.46	0.98	1.51	4.67
Jordan	4.79	0.37	0.62	1.41	1.11
Kazakhstan	7.67	1.70	23.45	3.23	62.56
Kenya	8.24	0.90	7.97	2.19	6.03
Kuwait	4.66	0.67	2.97	1.72	3.34
Kyrgyzstan	4.93	0.92	3.35	1.64	4.27
Lao People's Democratic Republic	6.37	0.72	39.47	7.36	3.39
Latvia	5.43	0.87	2.37	1.11	6.05
Lebanon	5.74	0.90	1.96	1.24	4.31
Lesotho	4.73	0.88	6.90	3.73	3.25
Liberia	5.18	0.72	46.58	3.60	2.50
Libyan Arab Jamahiriya	4.19	0.70	0.44	1.07	10.01
Lithuania	6.99	0.68	1.54	1.23	3.49
Luxembourg	6.00	0.47	0.97	1.00	2.15
Madagascar	6.12	1.11	37.06	19.11	7.31
Madeira Islands	0.00	0.00	0.00	0.00	0.00
Malawi	6.38	0.92	21.52	8.82	4.51
Malaysia	12.95	0.82	3.57	2.85	10.80
Mali	6.90	1.26	61.56	25.37	10.80
Mauritania	7.29	2.36	4.92	3.77	18.98
Mauritius	0.00	0.00	0.00	0.00	0.00
Mayotte	0.00	0.00	0.00	0.00	0.00
Mexico	7.60	0.74	15.34	3.36	5.49
Moldova, Republic of	8.04	0.63	18.01	2.39	2.99
Mongolia	7.75	3.34	4.16	2.73	174.38
Montenegro	8.88	0.82	11.80	1.97	7.83
Montserrat	0.00	0.00	0.00	0.00	0.00
Morocco	6.09	0.88	0.63	1.16	13.17
Mozambique	9.40	1.33	55.41	20.88	19.67
Myanmar	8.68	1.15	21.62	7.50	11.57
Namibia	9.19	2.81	21.93	7.80	175.82
Nepal	8.62	1.38	8.10	3.94	12.81
Netherlands	7.17	0.35	0.09	1.00	1.62
Netherlands Antilles	0.00	0.00	0.00	0.00	0.00
New Caledonia	9.03	1.06	8.66	2.57	5.09
New Zealand	6.73	0.64	0.61	2.61	2.19
Nicaragua	7.92	0.77	19.02	4.43	3.42
Niger	9.10	2.23	4.90	34.76	30.86
Nigeria	8.98	1.22	38.44	9.11	23.67
Norway	9.43	0.69	0.36	1.32	3.81
Oman	4.39	0.38	0.38	1.00	1.65
Pakistan	7.54	0.63	12.31	2.84	8.38
Panama	8.55	0.73	14.64	2.45	3.51
Papua New Guinea	8.74	0.91	17.75	5.26	4.70
Paraguay	7.04	0.81	41.28	6.08	5.44
Peru	7.88	0.76	5.86	2.19	3.22
Philippines	7.47	0.63	6.56	2.63	2.24
Poland	8.69	0.60	1.28	1.16	4.11
Portugal	10.20	1.07	25.06	1.57	131.85
Puerto Rico	7.73	0.48	0.63	1.73	1.93
Qatar	7.12	0.64	3.34	2.16	3.30
Republic of Korea	5.99	0.67	1.95	1.30	13.77

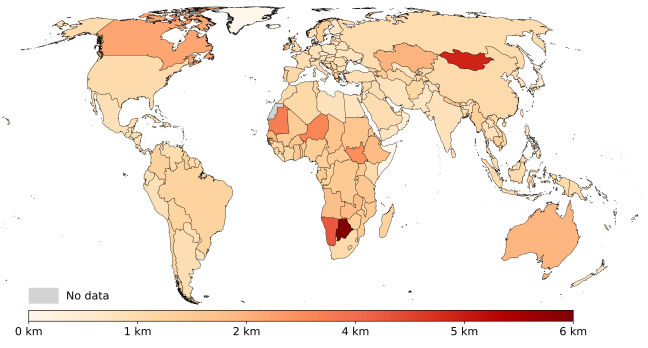
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Country	Duration (days, mean)	Extent (km, mean)	Frequency: Lines intersected (%)	Frequency: Fires per line (mean)	Size (km ² , mean)
Reunion	0.00	0.00	0.00	0.00	0.00
Romania	7.97	0.78	9.96	2.02	3.95
Russian Federation	8.10	0.85	28.01	2.78	16.05
Rwanda	9.48	1.50	4.66	4.76	16.35
Saint Kitts and Nevis	6.00	0.97	7.69	1.00	0.86
Samoa	0.00	0.00	0.00	0.00	0.00
Sao Tome and Principe	1.33	0.33	5.66	1.00	0.28
Saudi Arabia	7.53	0.82	1.06	2.75	13.84
Senegal	8.61	1.63	15.66	19.14	19.89
Serbia	9.71	0.91	7.06	1.99	20.01
Sierra Leone	6.50	1.04	81.50	19.35	15.08
Slovakia	8.83	0.60	1.35	1.17	3.37
Slovenia	8.00	0.77	0.69	1.05	13.54
Solomon Islands	0.00	0.00	0.00	0.00	0.00
Somalia	0.00	0.00	0.00	0.00	0.00
South Africa	6.04	0.90	43.46	4.66	10.77
South Sudan	10.87	2.12	91.96	33.30	60.93
Spain	8.42	0.97	5.10	1.33	25.39
Sri Lanka	12.68	0.85	9.03	2.05	7.68
Sudan	8.29	1.38	10.22	13.94	11.40
Suriname	11.02	0.85	8.14	7.43	4.35
Swaziland	5.70	0.69	42.10	4.66	5.41
Sweden	11.9	1.17	0.06	1.43	13.67
Switzerland	1.94	0.39	0.21	1.00	0.63
Syrian Arab Republic	7.80	0.91	17.04	2.30	13.63
Taiwan	10.32	0.57	0.80	1.30	4.31
Tajikistan	4.78	0.94	1.15	1.34	5.62
Thailand	8.16	0.70	24.76	4.08	5.15
The former Yugoslav Republic of Macedonia	6.94	0.74	8.14	1.53	5.56
Timor-Leste	6.43	0.87	11.19	2.11	3.66
Togo	8.62	1.18	69.32	14.61	19.28
Trinidad and Tobago	7.86	0.55	10.23	1.56	1.40
Tunisia	6.64	1.12	1.21	1.25	7.54
Turkey	8.58	0.77	9.68	4.77	16.43
Turkmenistan	6.52	0.92	10.58	2.50	9.42
Turks and Caicos Islands	0.00	0.00	0.00	0.00	0.00
U.K. of Great Britain and Northern Ireland	10.63	0.86	0.31	1.20	4.38
Uganda	9.75	1.28	37.35	10.37	16.74
Ukraine	7.76	0.69	48.20	3.45	4.26
United Arab Emirates	5.33	0.86	0.05	1.50	2.36
United Republic of Tanzania	9.46	1.34	29.20	13.47	21.02
United States Virgin Islands	0.00	0.00	0.00	0.00	0.00
United States of America	8.41	0.89	4.45	2.36	23.01
Uruguay	6.92	0.71	11.44	1.89	3.75
Uzbekistan	5.99	0.64	2.64	1.46	3.65
Vanuatu	0.00	0.00	0.00	0.00	0.00
Venezuela	9.27	0.86	29.70	4.75	5.32
Vietnam	14.43	1.00	18.54	6.95	18.60
West Bank	3.57	0.57	1.50	1.08	2.32
Yemen	4.67	0.64	0.32	1.00	1.07
Zambia	9.59	1.58	68.91	25.03	45.69
Zimbabwe	6.06	1.15	54.89	12.90	10.46

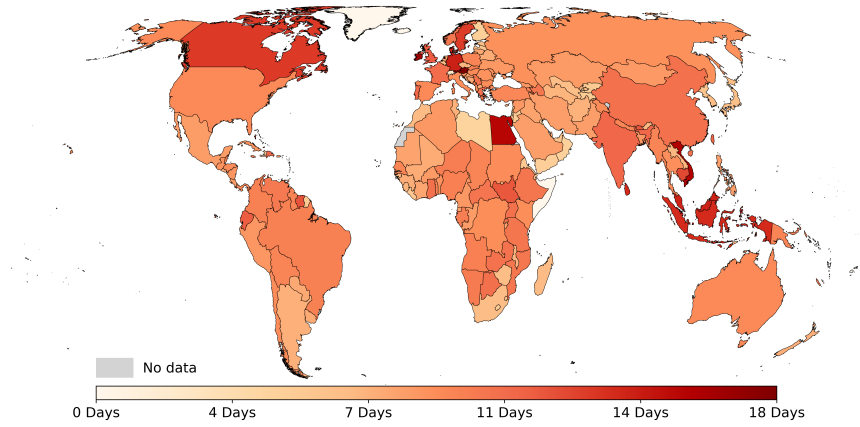
2 Choropleth Maps



(a) Size: Mean fire size per intersection



(b) Extent: Mean length of line intersected



(c) Duration: Mean duration of fire per intersection

Figure 1: Choropleth maps showing (a) Size: Mean fire size per intersection, (b) Extent: Mean length of line intersected, and (c) Duration: Mean duration of fire per intersection