

Dataset Name	Scenarios	Countries	Areas	Tasks	Period	Spatial Resolution	Temporal Resolution	Sim/Real	Modalities
GABAM	10K	Worldwide	149,000,000	Fire Behavior	1990-2021	30m	1year	Real Only	1
Fire Atlas	13M	Worldwide	149,000,000	Fire Behavior	2003-2016	500m	1day	Real Only	1
GlobFire	100M	Worldwide	149,000,000	Fire Behavior	2001-2017	500m	1day	Real Only	1
WildfireDB	17M	USA	9,834,000	Spread Forecast	2012-2017	375m	1day	Real Only	4
SeasFire Cube	20K	Worldwide	149,000,000	Burned Area Forecast	2001-2021	27km	8days	Real Only	4
Next Day Wildfire	18K	USA	9,834,000	Spread Forecast	2012-2020	1km	1day	Real Only	4
WildfireSpreadTS	607	USA	9,834,000	Spread Forecast Spread Backtrack	2018-2021	375m	1day	Real Only	4
PT-FireSprd	80	Portugal	92,150	Fire Behavior Spread Forecast Danger Forecast Burned Area Forecast	2015-2021	1m-4km	30mins- 14hours30mins	Real Only	1
Mesogeos	25K	Mediterranean	9,000,000	Danger Forecast Burned Area Forecast	2006-2022	1km	1day	Real Only	4
MODIS Thermal Anomaly	40K	Worldwide	149,000,000	Danger Forecast Spread Forecast	2000-2024	1km	1day	Real Only	3
VIIRS Thermal Anomaly	40K	Worldwide	149,000,000	Danger Forecast Spread Forecast	2012-2024	375m	12hours	Real Only	3
NOAA HMS Fire	1K	North America	24,710,000	Danger Forecast	2003-2024	2km	1day	Real Only	3
NOAA HMS Smoke	1K	North America	24,710,000	Danger Forecast	2005-2024	2km	1day	Real Only	1
GOES Wildfire	1K	Western Hemisphere	61,000,000	Danger Forecast Spread Forecast Burned Area Forecast	2017-2024	2km	5mins	Real Only	4
NIFC Wildfire Perimeters	20K	USA	9,834,000	Spread Forecast Burned Area Forecast	2000-2024	2km	5mins	Real Only	1
Sim2Real-Fire	1M	Worldwide	20,000,000	Spread Forecast Spread Backtrack	2013-2023	30m	1hour	Sim&Real	5

Table 1: Comparison with the related datasets for wildfire analysis. The datasets marked in grey are open sets, where the spatial areas captured by satellites unnecessarily represent fire scenarios.