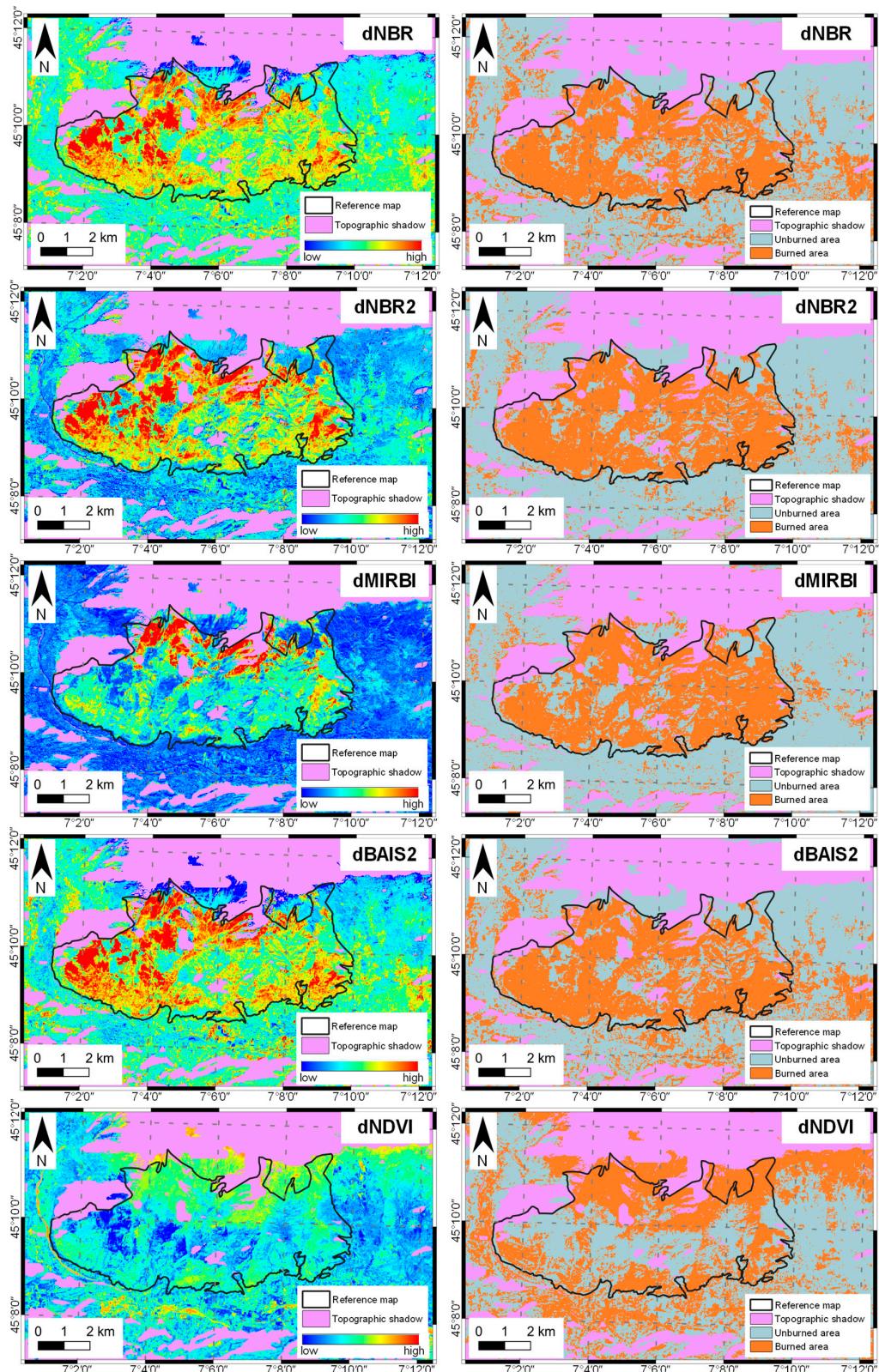


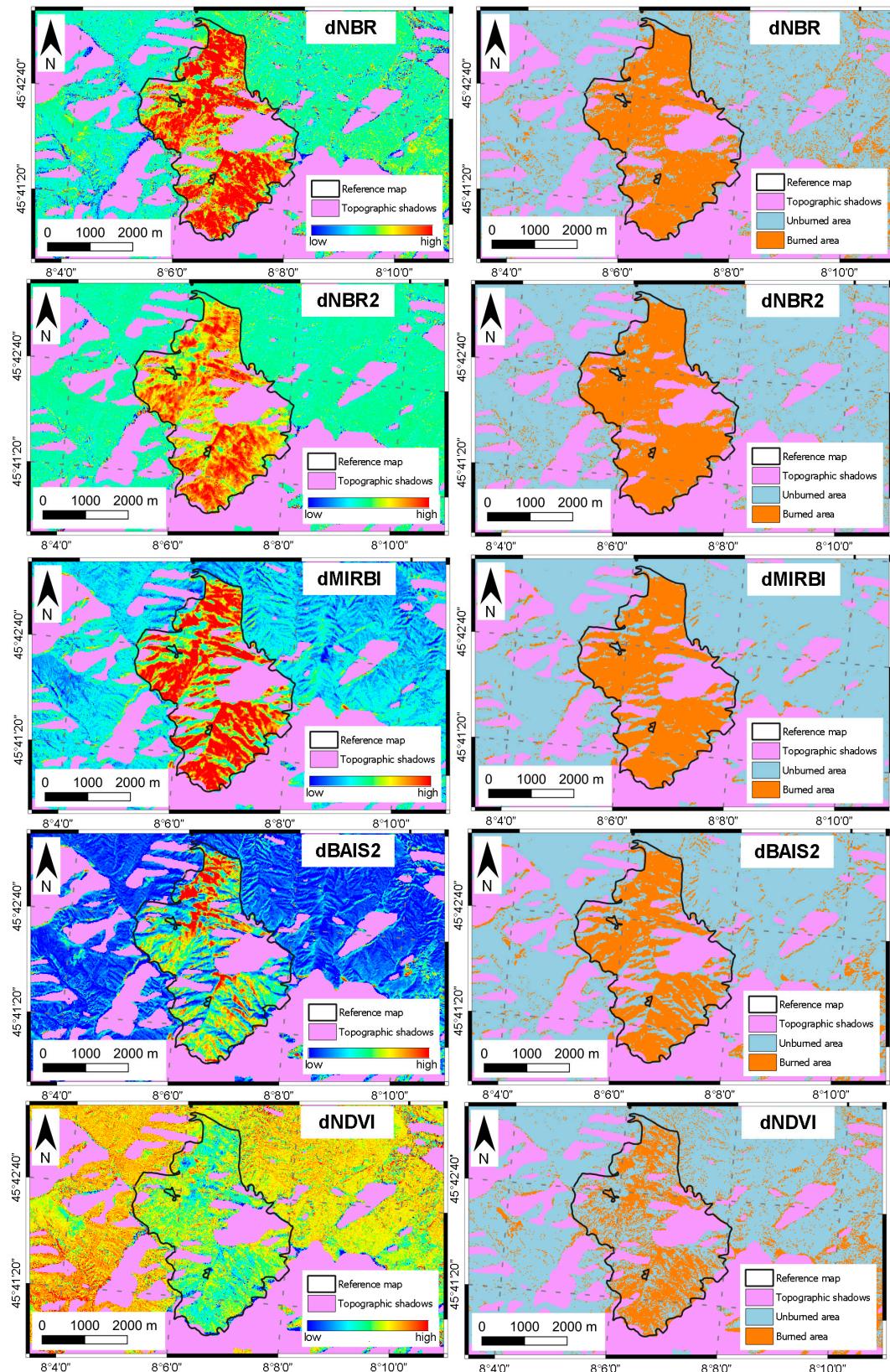
## Supplementary Materials

**Table S1.** Spectral characteristics of the Sentinel-2 MSI sensor.

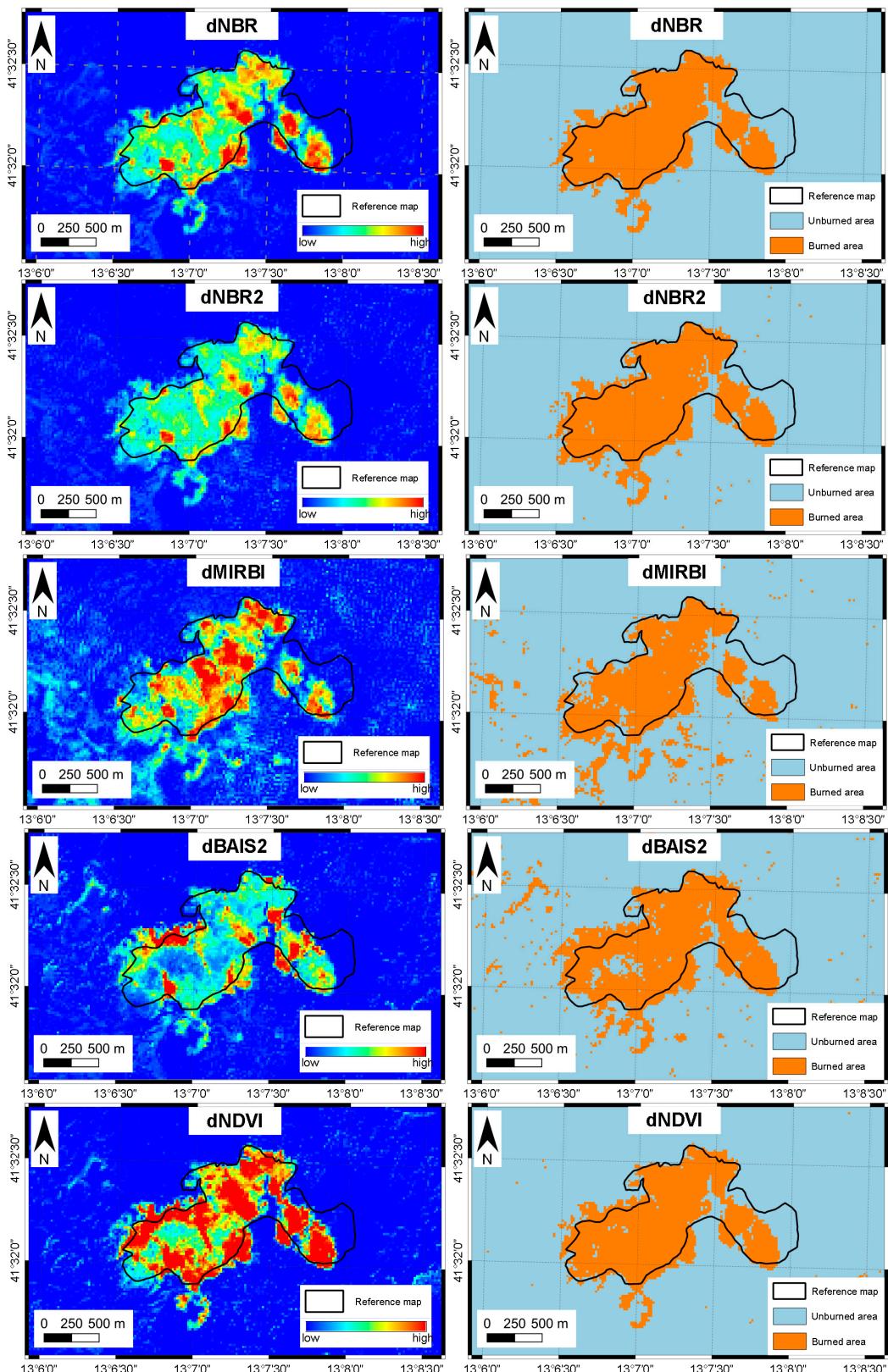
Spectral band	Band name	S2A Central wavelength (nm)	S2A Band width (nm)	S2B Central wavelength (nm)	S2B Band width (nm)	Spatial resolution (m)
B1	Coastal aerosol	443.9	27	442.3	45	60
B2	Blue	496.6	98	492.1	98	10
B3	Green	560.0	45	559.0	46	10
B4	Red	664.5	38	665.0	39	10
B5	Red edge 1	703.9	19	703.8	20	20
B6	Red edge 2	740.2	18	739.1	18	20
B7	Red edge 3	782.5	28	779.7	28	20
B8	Near infrared	835.1	145	833.0	133	10
B8A	Near infrared narrow	864.8	33	864.0	32	20
B9	Water vapor	945.0	26	943.2	27	60
B10	SWIR Cirrus	1373.5	75	1376.9	76	60
B11	Shortwave Infrared 1	1613.7	143	1610.4	141	20
B12	Shortwave Infrared 2	2202.4	242	2185.7	238	20



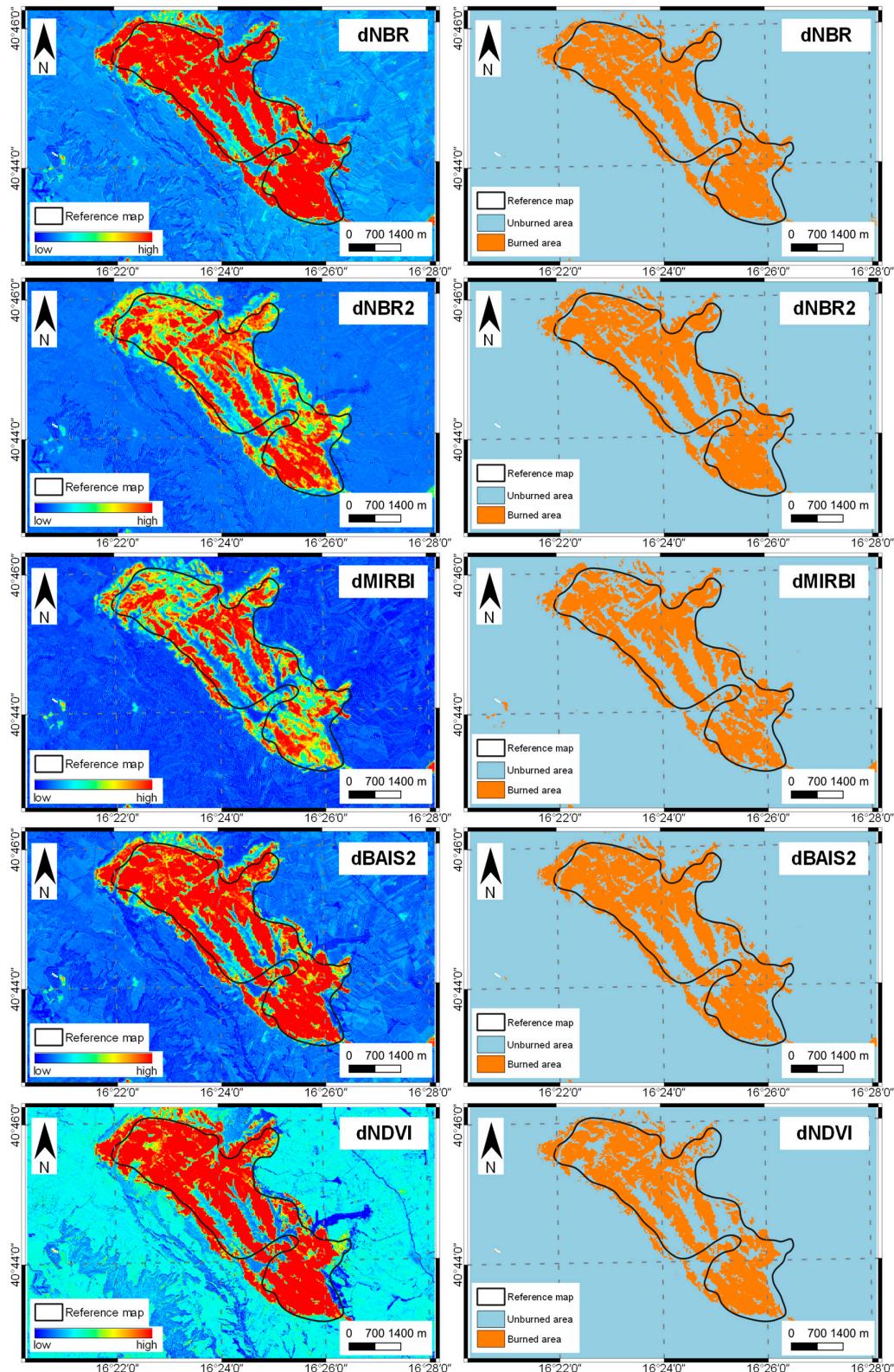
**Figure S1.**  $\Delta_{\text{post-pre}}$  images and burned/not burned images of each difference SI for the Bussoleno study area. The black line is the contour of the reference map polygon obtained from the CUFAA archive.



**Figure S2.**  $\Delta_{\text{post-pre}}$  images and burned/not burned images of each difference SI for the Trivero study area. The black line is the contour of the reference map polygon obtained from the CUFAA archive.



**Figure S3.**  $\Delta_{\text{post-pre}}$  images and burned/not burned images of each difference SI for the Roccagorga study area. The black line is the contour of the reference map polygon obtained from the CUFAA archive.



**Figure S4.**  $\Delta_{\text{post-pre}}$  images and burned/not burned images of each difference SI for the Gravina in Puglia study area. The black line is the contour of the reference map polygon obtained from the CUFAA archive.