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**Supplementary material**

**Wildfires decrease the local-scale ecosystem spatial variability of *Pinus canariensis* forests during the first two decades post fire**

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Table S1. Effect of the time since the last wildfire on the spatial variability (SDL) of several ecosystem functions. Bold letters indicate  $P < 0.05$ .

	Pseudo-F	<i>P</i>
Inorganic N	3.420	<b>0.021</b>
Microbial biomass N	1.014	0.444
DON	3.695	<b>0.017</b>
Ammonification rate	2.779	<b>0.036</b>
N mineralisation rate	3.049	<b>0.023</b>
Available P	0.120	0.118
Canopy cover	4.885	<b>0.002</b>
ANPP	2.806	<b>0.033</b>
Litter decomposition rate	2.940	<b>0.021</b>
Arthropods diversity	1.490	0.223
Pine germination	1.109	0.381
Seed production	2.584	<b>0.024</b>
ESV	4.002	<b>0.011</b>

Table S2. Coordinates of the plots of the study.

Plot	Coordinates UTM (28R)	
	Longitude	Latitude
Long-unburned A	-17°50'39.563"	28°37'53.2632"
Long-unburned B	-17°50'37.565"	28°37'35.2164"
Long-unburned C	-17°50'37.979"	28°37'46.4448"
Long-unburned D	-17°50'30.887"	28°37'31.8504"
1987 A	-17°50'52.012"	28°36'19.5444"
1987 B	-17°50'35.884"	28°36'0.0072"
1990 A	-17°51'25.466"	28°34'22.908"
1990 B	-17°51'59.849"	28°32'1.7016"
1990 C	-17°50'37.522"	28°31'5.3724"
1990 D	-17°51'9.421"	28°33'59.4756"
1994 A	-17°49'19.189"	28°44'30.3432"
1994 B	-17°49'16.439"	28°43'19.578"
1994 C	-17°49'19.952"	28°44'3.9246"
1994 D	-17°49'21.101"	28°44'1.5"
1998 A	-17°49'41.628"	28°32'20.8068"
1998 B	-17°49'21.223"	28°33'11.988"
1998 C	-17°50'37.241"	28°35'58.5816"
2000 A	-17°55'50.894"	28°47'10.2048"
2000 B	-17°55'49.03"	28°47'8.1348"
2000 C	-17°55'52.129"	28°47'6.9972"
2000 D	-17°55'47.986"	28°47'5.0424"
2005 A	-17°54'56.668"	28°46'46.182"
2005 B	-17°54'55.073"	28°46'43.1004"
2005 C	-17°55'6.218"	28°46'50.2932"