

Study sites	Annual Mean	Annual Mean	Soil	Succession Age		
	Temperature	Precipitation	pH	(years)		
	(°C)	(mm)		Early	Middle	Advanced
Carrapateira Dunes <sup>a</sup>	15.9	563	8.7	<50	200-600	>1000
Umbra Dunes <sup>b</sup>	8.5	1065	8.6	<50	200-600	>1000
Belvedere Glacier <sup>c</sup>	5	1695	5.5	<50	200-600	>1000
Locce Glacier <sup>c</sup>	5	1695	5.2	<50	200-600	>1000

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