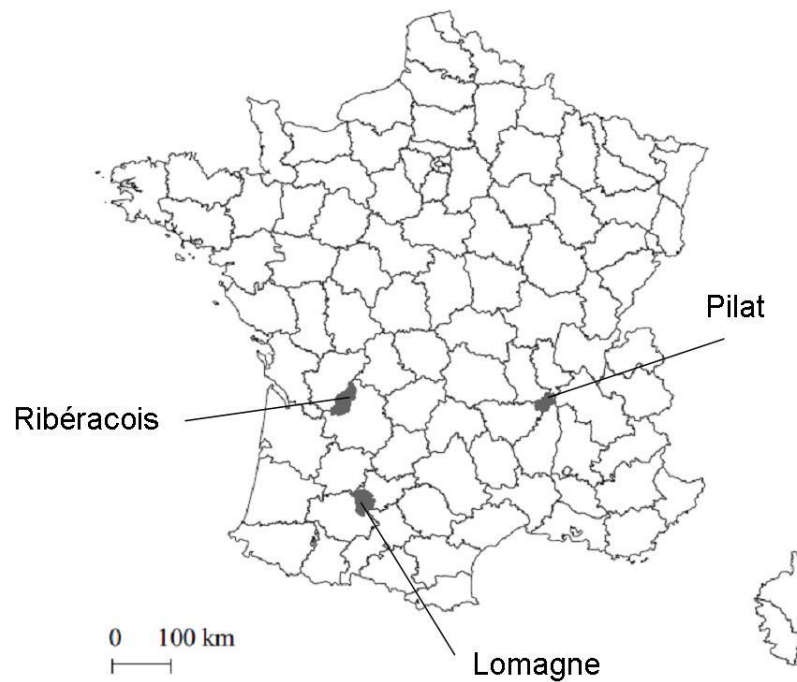
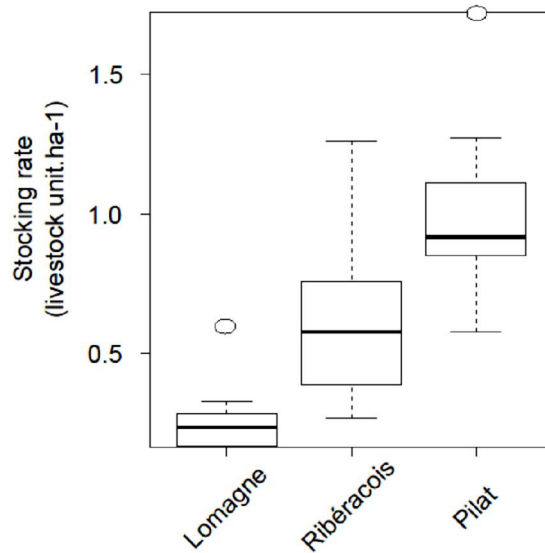


Supplementary information



Supplementary figure 1 Geographical location of the study areas.



Supplementary figure 2 Stocking rate of the sampled organic livestock farms (n=7, 14 and 20 in Lomagne, Ribéracois and Pilat, respectively). From the bottom to the top, horizontal black lines refer to the first decile, first quartile, median, third quartile and ninth decile. Open black circles refer to outliers.

Supplementary table 1 Characteristics of the three study areas.

Agricultural districts	Lomagne	Ribéracois	Pilat	
Latitude/Longitude	43° 53' N / 0° 46' E	45° 14' N / 0° 20' E	45° 20' N / 4° 25' E	
Area	935 km ²	1021 km ²	520 km ²	
Agricultural area	720 km ²	505 km ²	173 km ²	
Annual mean temperature	12.7°C	12.6°C	10.1 °C	
Cumulative annual rainfall	600 mm	812 mm	1000 mm	
Altitude	57-278 m asl	43 ó 210 m asl	140 ó 1432 m asl	
Main soils	Deep to superficial calcareous-clay soils	Calcareous loamy soils	Acid clay soils	
Total stocking rate, organic and conventional farming combined (livestock unit per ha of agricultural area)	0.20	0.64	1.15	
% of the agricultural area, organic and conventional farming combined, under	Cereal, oilseed and protein crops	79 %	55 %	10 %
	Grasslands and other fodders	9 %	40 %	86 %
	Other (e.g., horticultural crops)	12 %	5 %	4 %
% of organic farms out of the total number of farms	5.2 %	5.1 %	3.9 %	

Figures related to general agricultural production, organic farming and conventional farming combined were taken from the 2010 French agricultural census (Agreste n.d.). Figures related to organic farms were taken from the French organic farmers book (AgenceBio n.d.).

Supplementary table 2 Characteristics of the sampled organic farms.

Agricultural districts	Lomagne	Ribéracois	Pilat
Number of organic farms	25	17	21
<i>Arable farms</i>	<i>17</i>	<i>3</i>	<i>0</i>
<i>Horticulture farms</i>	<i>1</i>	<i>0</i>	<i>1</i>
<i>Of which, # of</i>			
<i>Beef/sheep farms</i>	<i>4</i>	<i>7</i>	<i>0</i>
<i>Dairy farms</i>	<i>0</i>	<i>6</i>	<i>18</i>
<i>Poultry farms</i>	<i>3</i>	<i>1</i>	<i>2</i>
Stocking rate of organic farms (livestock unit per ha of agricultural area)	0.07	0.60	0.93
% of the area under			
Cereal, oilseed and protein crops	86	17	11
Grasslands and other fodders	12	82	87
Other (e.g., horticultural crops)	1	1	2