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# **Objective 1000 @Jardin Massart**

**citizen science project inventory insect fauna**

**Botanical Garden Jean Massart  
biodiversity sanctuary Brussels**







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## Botanical Garden Jean Massart

4.5 ha

1,500 plant species

Natura 2000 site



situated border Brussels and Sonian forest



- 1 humid area: swamp, ponds
- 2 orchard on dry grassland
- 3 medicinal plants
- 4 arboretum
- 5 evolution garden



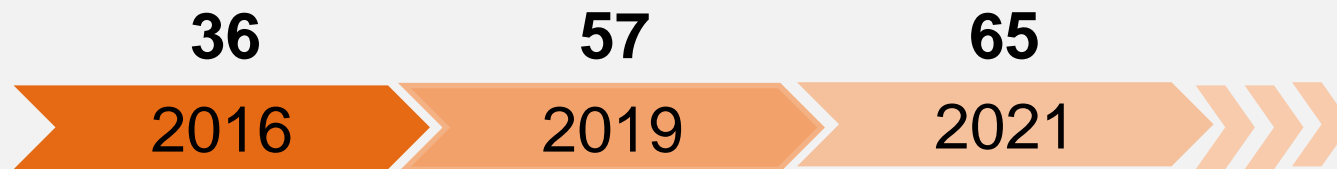
# Objective 1000 @JardinMassart project goal



inventory of at least  
**1,000 species of insects & spiders**

## Who did it?

citizen scientists: entomologists  
researchers



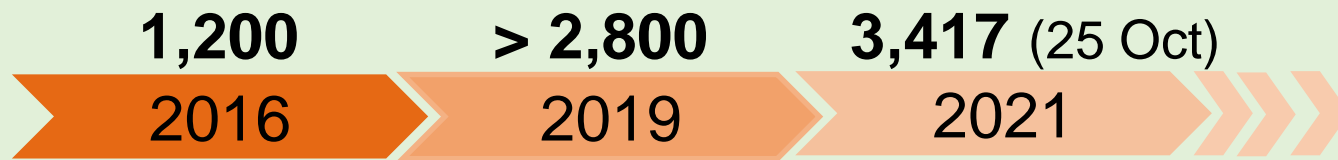
**10 EU nationalities**

nature photographers joined the team



# Objective 1000 @JardinMassart project results

Initial goal 1,000 species but...  
more than 3,000 species



beetles: 1,303 species or 30% of Belgian fauna  
spiders: 214 species or 30% of Belgian fauna  
some families >30%: ladybirds (Coccinellidae) 51%

## Amazing unexpected high diversity

- > 60 new species Belgian fauna
- very rare species
- new species for science

## Reason high diversity?

- diversity microhabitats
- management
- nest and hibernation sites insects





# Objective 1000 @JardinMassart project outputs



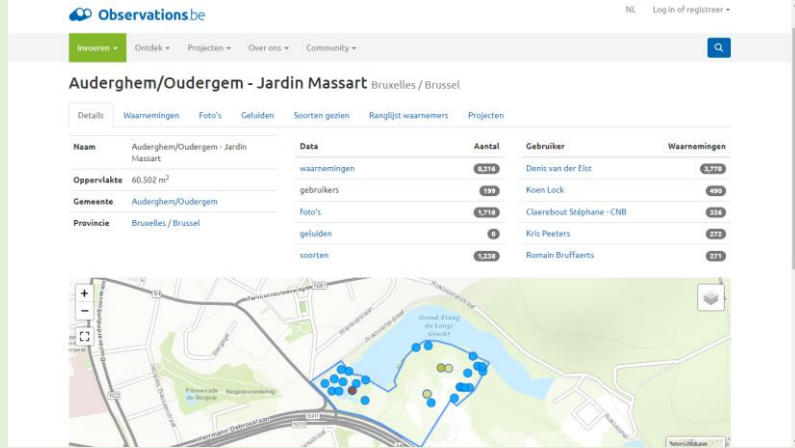
reference collection & data base 20,000 records



travelling exhibition  
relationship plants and insects  
@JardinMassart

Code	Familie	Subfamilie	Specimen naam	Specimen nr.	Specimen type	Provincie	Locatie	Verzamelaar	YTM Code	Collectiecollectie	Bevatnummer	Specimen
1	Coleoptera	Coleoptera	Agathidium sylvaticum (Dufour, 1820)	1	holotype	Auderghem	Jardin Massart	FRSC	A. De Maessene	W. Trudeman	AAA	AAA
2	Coleoptera	Coleoptera	Agathidium sylvaticum (Dufour, 1820)	2	holotype	Auderghem	Jardin Massart	FRSC	A. De Maessene	W. Trudeman	AAA	AAA
3	Coleoptera	Coleoptera	Agathidium sylvaticum (Dufour, 1820)	3	holotype	Auderghem	Jardin Massart	FRSC	A. De Maessene	W. Trudeman	AAA	AAA
4	Coleoptera	Coleoptera	Agathidium sylvaticum (Dufour, 1820)	4	holotype	Auderghem	Jardin Massart	FRSC	A. De Maessene	W. Trudeman	AAA	AAA
5	Coleoptera	Coleoptera	Agathidium sylvaticum (Dufour, 1820)	5	holotype	Auderghem	Jardin Massart	FRSC	A. De Maessene	W. Trudeman	AAA	AAA
6	Coleoptera	Coleoptera	Agathidium sylvaticum (Dufour, 1820)	6	holotype	Auderghem	Jardin Massart	FRSC	A. De Maessene	W. Trudeman	AAA	AAA
7	Coleoptera	Coleoptera	Agathidium sylvaticum (Dufour, 1820)	7	holotype	Auderghem	Jardin Massart	FRSC	A. De Maessene	W. Trudeman	AAA	AAA
8	Coleoptera	Coleoptera	Agathidium sylvaticum (Dufour, 1820)	8	holotype	Auderghem	Jardin Massart	FRSC	A. De Maessene	W. Trudeman	AAA	AAA
9	Coleoptera	Coleoptera	Agathidium sylvaticum (Dufour, 1820)	9	holotype	Auderghem	Jardin Massart	FRSC	A. De Maessene	W. Trudeman	AAA	AAA
10	Coleoptera	Coleoptera	Agathidium sylvaticum (Dufour, 1820)	10	holotype	Auderghem	Jardin Massart	FRSC	A. De Maessene	W. Trudeman	AAA	AAA
11	Coleoptera	Coleoptera	Agathidium sylvaticum (Dufour, 1820)	11	holotype	Auderghem	Jardin Massart	FRSC	A. De Maessene	W. Trudeman	AAA	AAA
12	Coleoptera	Coleoptera	Agathidium sylvaticum (Dufour, 1820)	12	holotype	Auderghem	Jardin Massart	FRSC	A. De Maessene	W. Trudeman	AAA	AAA
13	Coleoptera	Coleoptera	Agathidium sylvaticum (Dufour, 1820)	13	holotype	Auderghem	Jardin Massart	FRSC	A. De Maessene	W. Trudeman	AAA	AAA
14	Coleoptera	Coleoptera	Agathidium sylvaticum (Dufour, 1820)	14	holotype	Auderghem	Jardin Massart	FRSC	A. De Maessene	W. Trudeman	AAA	AAA
15	Coleoptera	Coleoptera	Agathidium sylvaticum (Dufour, 1820)	15	holotype	Auderghem	Jardin Massart	FRSC	A. De Maessene	W. Trudeman	AAA	AAA
16	Coleoptera	Coleoptera	Agathidium sylvaticum (Dufour, 1820)	16	holotype	Auderghem	Jardin Massart	FRSC	A. De Maessene	W. Trudeman	AAA	AAA
17	Coleoptera	Coleoptera	Agathidium sylvaticum (Dufour, 1820)	17	holotype	Auderghem	Jardin Massart	FRSC	A. De Maessene	W. Trudeman	AAA	AAA
18	Coleoptera	Coleoptera	Agathidium sylvaticum (Dufour, 1820)	18	holotype	Auderghem	Jardin Massart	FRSC	A. De Maessene	W. Trudeman	AAA	AAA
19	Coleoptera	Coleoptera	Agathidium sylvaticum (Dufour, 1820)	19	holotype	Auderghem	Jardin Massart	FRSC	A. De Maessene	W. Trudeman	AAA	AAA
20	Coleoptera	Coleoptera	Agathidium sylvaticum (Dufour, 1820)	20	holotype	Auderghem	Jardin Massart	FRSC	A. De Maessene	W. Trudeman	AAA	AAA
21	Coleoptera	Coleoptera	Agathidium sylvaticum (Dufour, 1820)	21	holotype	Auderghem	Jardin Massart	FRSC	A. De Maessene	W. Trudeman	AAA	AAA
22	Coleoptera	Coleoptera	Agathidium sylvaticum (Dufour, 1820)	22	holotype	Auderghem	Jardin Massart	FRSC	A. De Maessene	W. Trudeman	AAA	AAA
23	Coleoptera	Coleoptera	Agathidium sylvaticum (Dufour, 1820)	23	holotype	Auderghem	Jardin Massart	FRSC	A. De Maessene	W. Trudeman	AAA	AAA
24	Coleoptera	Coleoptera	Agathidium sylvaticum (Dufour, 1820)	24	holotype	Auderghem	Jardin Massart	FRSC	A. De Maessene	W. Trudeman	AAA	AAA
25	Coleoptera	Coleoptera	Agathidium sylvaticum (Dufour, 1820)	25	holotype	Auderghem	Jardin Massart	FRSC	A. De Maessene	W. Trudeman	AAA	AAA
26	Coleoptera	Coleoptera	Agathidium sylvaticum (Dufour, 1820)	26	holotype	Auderghem	Jardin Massart	FRSC	A. De Maessene	W. Trudeman	AAA	AAA
27	Coleoptera	Coleoptera	Agathidium sylvaticum (Dufour, 1820)	27	holotype	Auderghem	Jardin Massart	FRSC	A. De Maessene	W. Trudeman	AAA	AAA
28	Coleoptera	Coleoptera	Agathidium sylvaticum (Dufour, 1820)	28	holotype	Auderghem	Jardin Massart	FRSC	A. De Maessene	W. Trudeman	AAA	AAA
29	Coleoptera	Coleoptera	Agathidium sylvaticum (Dufour, 1820)	29	holotype	Auderghem	Jardin Massart	FRSC	A. De Maessene	W. Trudeman	AAA	AAA
30	Coleoptera	Coleoptera	Agathidium sylvaticum (Dufour, 1820)	30	holotype	Auderghem	Jardin Massart	FRSC	A. De Maessene	W. Trudeman	AAA	AAA

30 scientific papers  
<https://www.researchgate.net/project/Entomological-survey-in-the-botanical-garden-Jean-Massart-Brussels-Capital-Region-Belgium#projectLog>



observations access at  
<https://observations.be/locations/72818/>

Save the date: May 2022  
 Celebration of the centennial of the Botanical Garden Jean Massart



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# Thank you

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