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Journée des doctorants
17 Avril 2018



Station Biologique de Paimpont

BioBlitz

18-20 Juillet 2017

Annegret Nicolai
Muriel Guernion
Régis Supper





Inventaire de la biodiversité, du paysage et des paramètres abiotiques du milieu en 24h





**75 Scientifiques et Naturalistes
de 5 universités internationales,
du MNHN et de 9 associations**



Science citoyenne



**À travers de la
participation des citoyens
sensibiliser aux enjeux
environnementaux**



All taxon biodiversity inventory (ATBI)

Groupes de travail

Botanique

Faune du sol

Invertébrés terrestres

Oiseaux

Mammifères

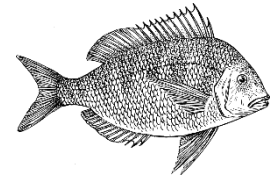
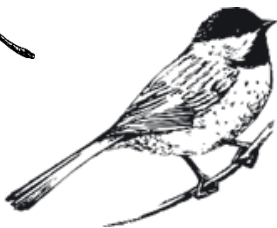
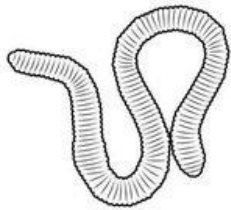
Amphibiens/Reptiles

Organismes aquatiques

Paysage

Paramètres abiotiques

Données historiques



Données sur la biodiversité dès 1956



Stages d'été

Inventaires

**Etude du sol
et de l'eau**

Stratégie d'échantillonnage



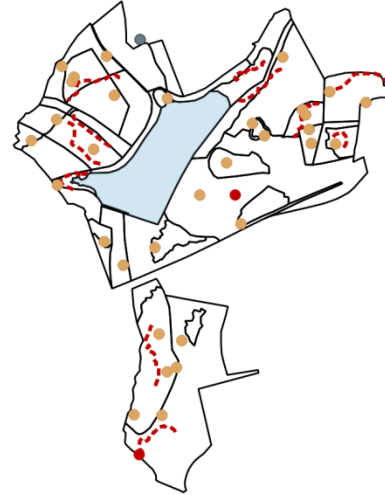
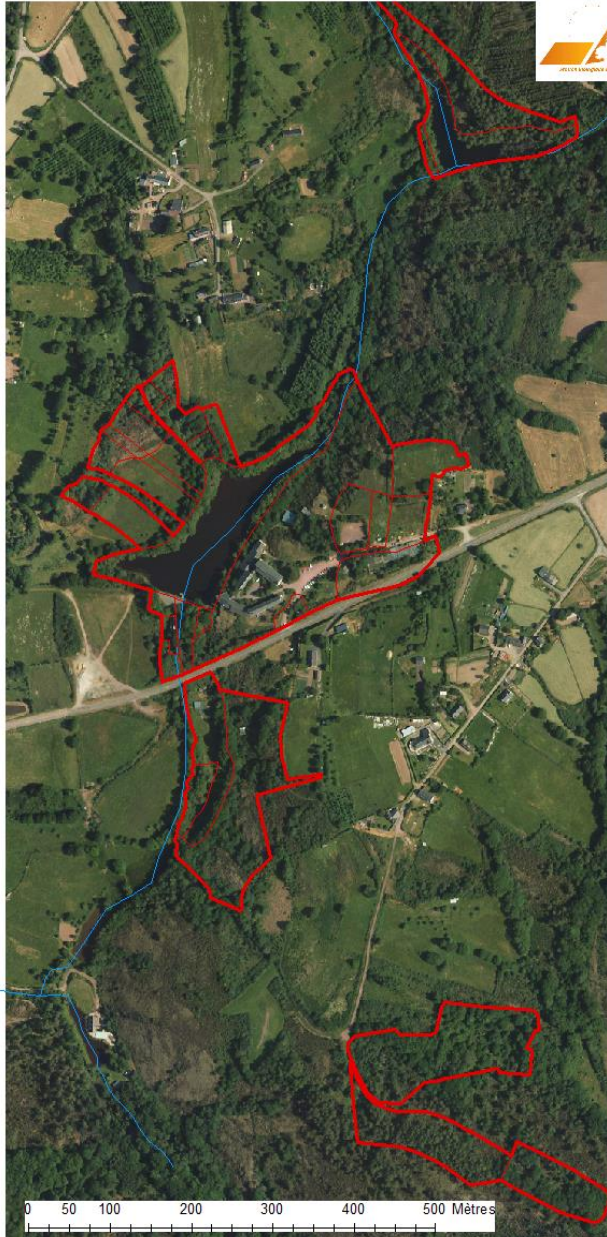
Station Biologique
de Paimpont

Légende

- Zonage_SBP
- Parcelles_cadastrales_UR1
- Ruisseau



1 cm = 50 mètres



Key

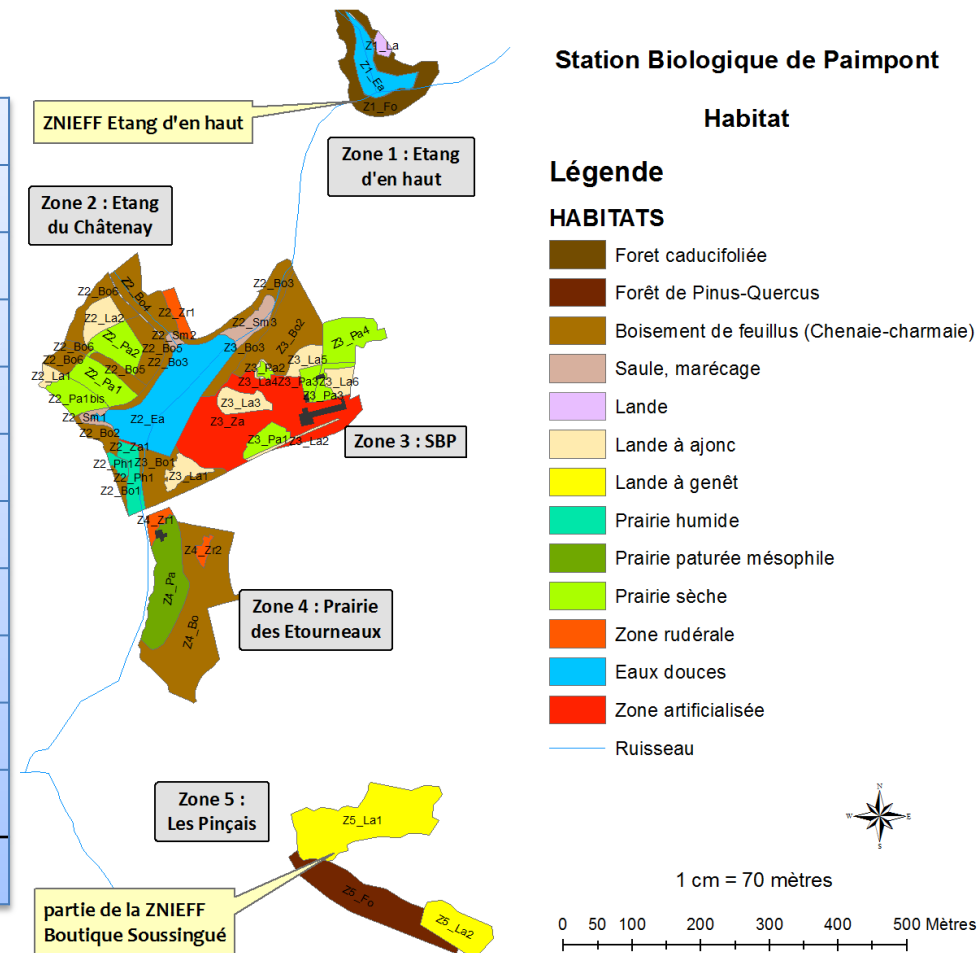
- Soil biota
- Bat net
- Caméra Trap
- MicroMam line



Données biotiques sur 60 années *(en cours de saisie)*

- Checklist de données antérieures (1956-2016): **738 espèces**
- Occurrences des espèces (2017)

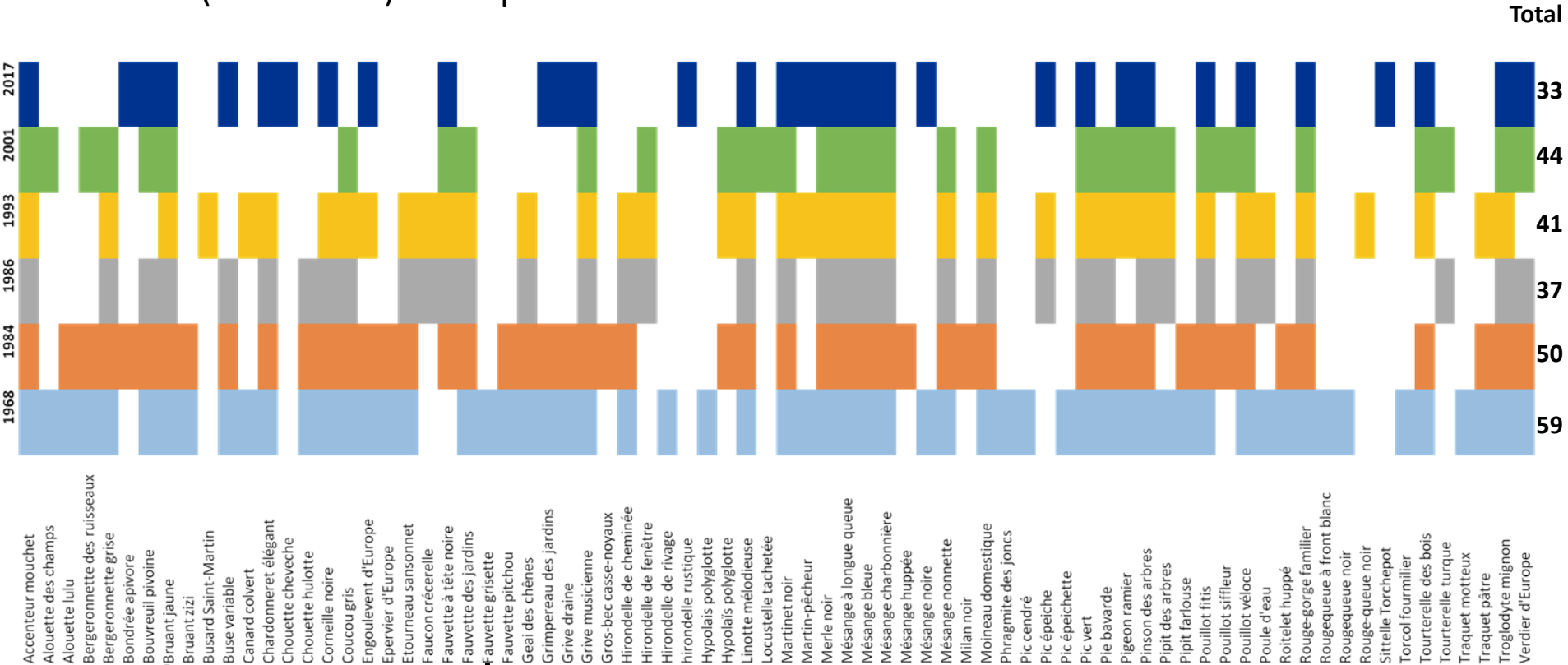
	Nombres d'espèces
Amphibiens	5
Plancton	16
Invertébrés aquatiques	8
Aquatique - Poissons	3
Faune du sol	243
Invertébrés terrestres (hors sol)	214
Mammifères	21
Oiseaux	42
Plantes	154
Reptiles	3
Total général (N occurrences)	709 (1612)



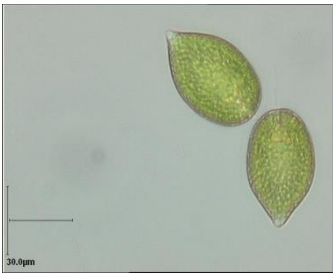
- Environ 300 nouvelles espèces observées lors du BioBlitz

Séries temporelles

Oiseaux (1968-2017): 77 espèces



Espèces remarquables en 2017



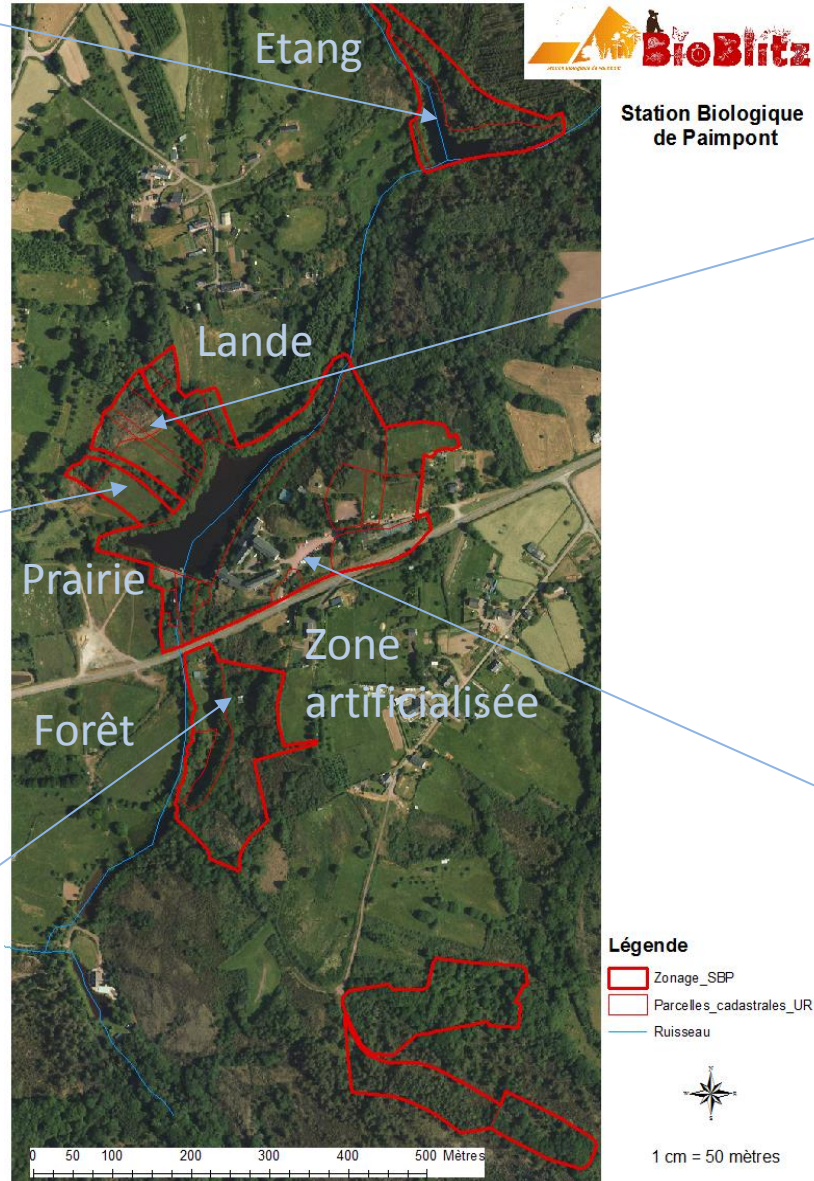
Gonyostomum semen
(Algue microscopique dans des étangs peu profonds et acides)



Aphantopus hyperantus
(Espèce protégée en Europe)



Elona quimperiana
(Espèce protégée, endémique)



Lebia marginata
(Nouvelle espèce pour la Bretagne)



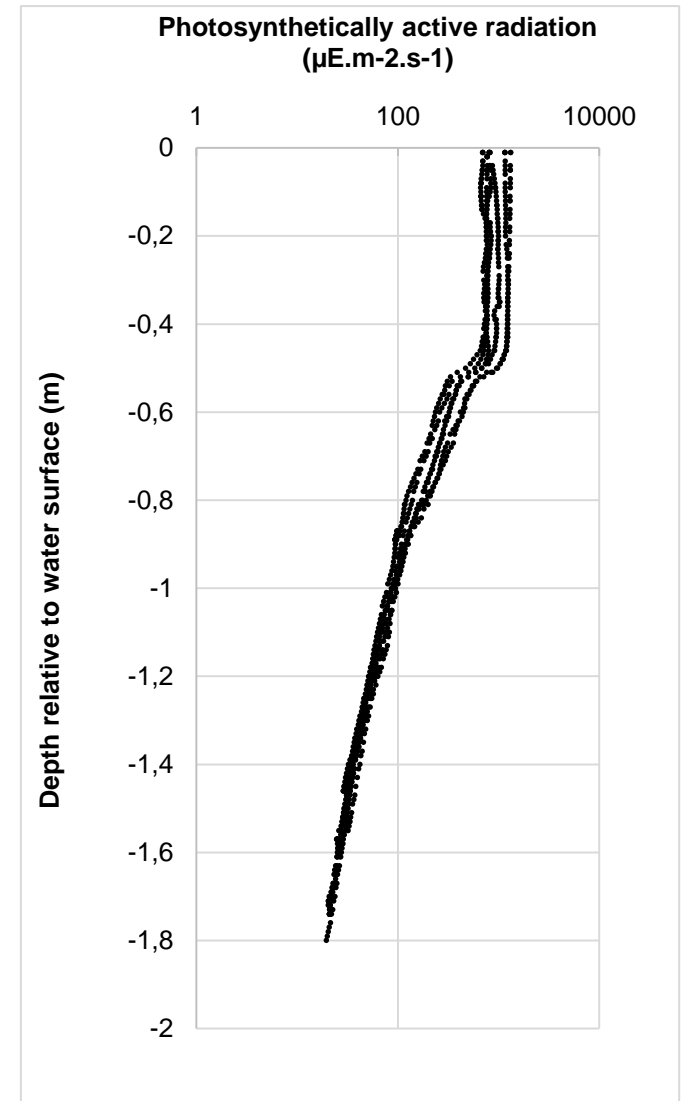
Euphorbia esula
(Espèce rare en Bretagne)

Données abiotiques

- Paramètres de l'eau, du sol, du climat

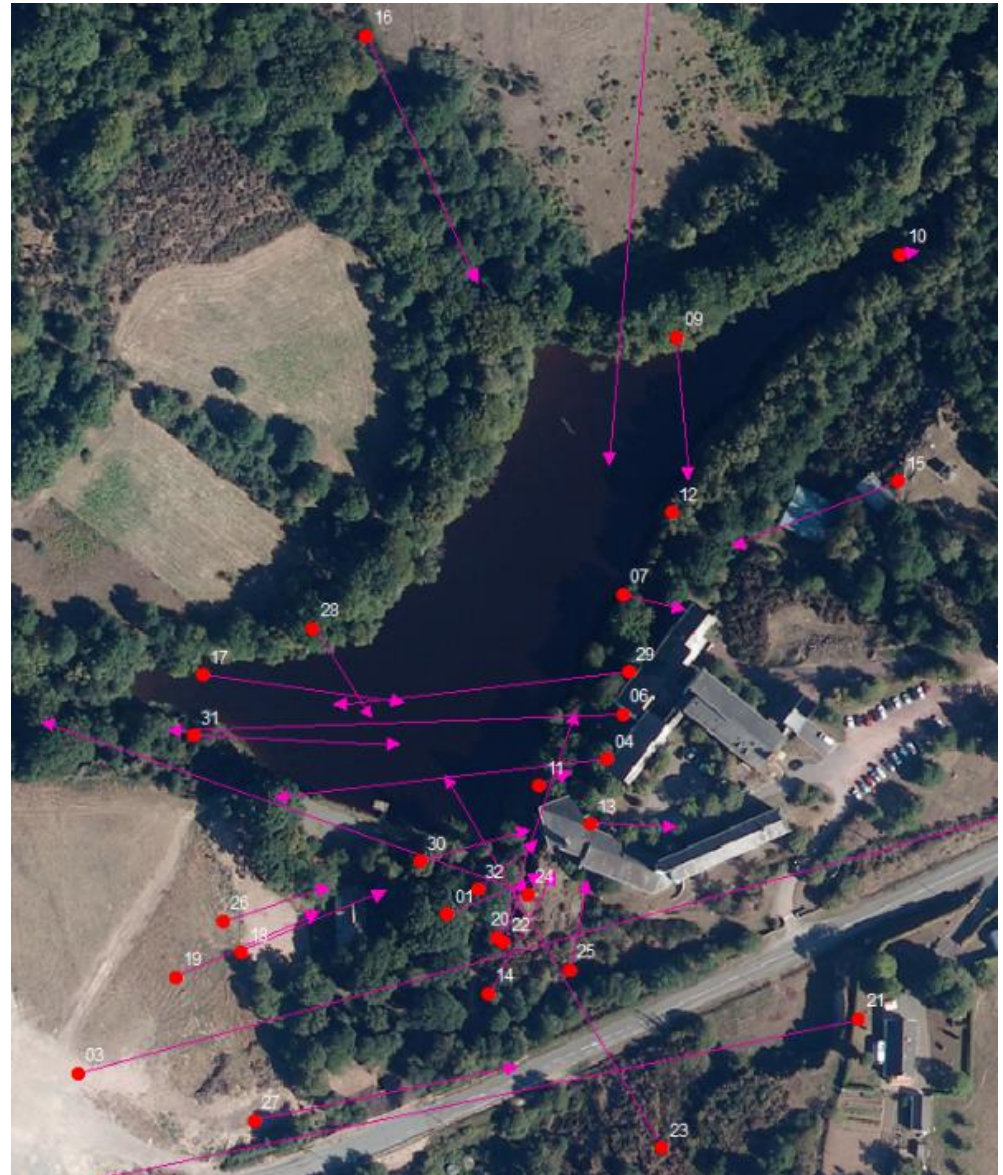
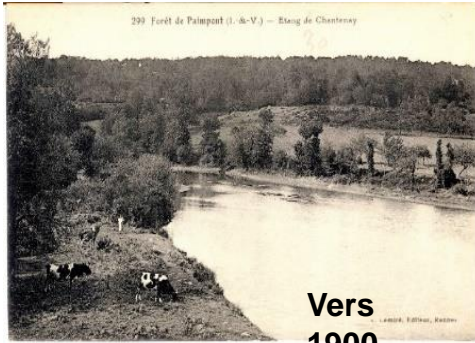


(COV, composition du sol, OM, N, CEC)



(profil d'étang pour 8 paramètres: PAR, T°, Cond, O₂, Turbid, pH, chl a, Phycocyanin; 2 paramètres en plus pour ruisseaux: TDS, ORP)

Observation photographique du paysage



Changement du paysage

4674. Forêt de Paimpont (I.-&V.) — L'Étang de Beauvais

2017

Années 40

2017

parking
étudiants

2017

route de
Campénéac

entrée du
chemin

2017

Evolution de la SBP



2017



2017



2017

Data paper:

Transdisciplinary Bioblitz project at the Biological Field Station of Paimpont (Brittany, France) opens new research opportunities
(Nicolai & 40 co-authors, in prep.)



Biodiversity Data Journal 3: e6313
doi: 10.3897/BDJ.3.e6313



Taxonomic Paper

Biodiversity inventories in high gear: DNA barcoding facilitates a rapid biotic survey of a temperate nature reserve

Angela C Telfer[†], Monica R Young[‡], Jenna Quinn[§], Kate Perez[‡], Crystal N Sobel[†], Jayme E Sonest[†], Valerie Levesque-Beaudin[†], Rachael Derbyshire[†], Jose Fernandez-Triana[†], Rodolphe Rougerie[†], Abinav Thevanayagam[†], Adrian Boskovic[†], Alex V Borisenko[†], Alex Cadel[¶], Allison Brown[†], Anais Pages[¶], Anibal H Castillo[†], Annegret Nicolai[†], Barb Mockford Glenn Mockford[†], Belén Bukowski[†], Bill Wilson[¶], Brock Trojahn[§], Carole Ann Lacroix[†], Chris Brimblecombe[†], Christopher Hay[†], Christmas Ho[†], Claudia Steinke[‡], Connor P Warne[‡], Cristina Garrido Cortes[†], Daniel Engelking[‡], Danielle Wright[‡], Dario A Lijtmaer[†], David Gascoigne[¶], David Hernandez Martich[‡], Derek Morningstar[†], Dirk Neumann[§], Dirk Steinke[‡], Donna DeBruin Marco DeBruin[†], Dylan Dobias[†], Elizabeth Searst, Ellen Richard[†], Emily Damstra[†], Evgeny V Zakharov[†], Frederic Laberge[†], Gemma E Collins[†], Gergin A Blagoev[†], Gerrie Grainger[†], Graham Ansell[†], Greg Meredith[†], Ian Hogg[†], Jaclyn McKeown[†], Janet Topan[†], Jason Bracey[†], Jerry Guenther[†], Jesse Sills-Gilligan[†], Joseph Addesi[†], Joshua Persi[†], Kara K S Layton[¶], Kareina D'Souza[†], Kencho Dorji[¶], Kevin Grundy[†], Kirsti Nghidinwa[†], Kylee Ronnenberg[†], Kyung Min Lee[†], Linxi Xie[¶], Liuqiong Lu[†], Lyubomir Penev[¶], Mailyn Gonzalez[‡], Margaret E Rosati[†], Mari Kekkonen[†], Maria Kuzmina[†], Marianne Iskandar[†], Marko Mutanen[†], Maryam Fatahi[†], Mikko Penttinen[†], Miriam Bauman[†], Nadya Nikolova[†], Natalia V Ivanova[†], Nathaniel Jones[†], Nimalka Weerasuriya[†], Norman Monkhouse[†], Pablo D Lavinia[†], Paul Jannetta[†], Priscilla E Hanisch[†], R. Troy McMullin[†], Rafael Ojeda Flores[¶], Raphaëlle Mouttet[†], Reid Vender[†], Renee N Labbee[†], Robert Forsyth^{††}, Rob Lauder^{§§}, Ross Dickson[†], Ruth Krott[†], Scott E Miller[†], Shannon MacDonald[†], Sishir Panth[†], Stephanie Pedersen[†], Stephanie Sobek-Swant[§], Suresh Naik[†], Tatsiana Lipinskaya^{¶¶}, Thanushi Eagalle[†], Thibaud Decaëns^{¶¶}, Thibault Kosuth[¶], Thomas Braukmann[†], Tom Woodcock[§], Tomas Roslin^{¶¶¶}, Tony Zammit^{¶¶}, Victoria Campbell[†], Vlad Dinca[†], Vlada Peneva[¶], Paul D N Hebert[†], Jeremy R deWaard[†]

- Sciences citoyennes: 50% de données au niveau mondial
- <1% de France

(Chandler et al. 2017)



Global Biodiversity Information Facility

Data News Community About



Inventory and BioBlitz Records from ...

Occurrence dataset published by University of Guelph

28,924
Occurrences

[View occurrences](#)

Information

Stats

Activity

Summary

FULL TITLE

Inventory and BioBlitz Records from rare Charitable Research Reserve

DESCRIPTION

In 2015, the Centre for Biodiversity Genomics, formerly Biodiversity Institute of Ontario, and the rare Charitable Research Reserve partnered to inventory species present on the rare property in Cambridge, Ontario, [Canada](#). Inventory efforts were largely passive, using malaise and pitfall traps to target mainly Arthropoda specimens over a period of four months (May to August 2015). In addition, on August 16, 2015, international and local experts joined together for a BioBlitz in the research reserve to document taxa from a variety of major groups including invertebrates, vertebrates, plants, fungi and lichens. The resulting specimen and observation records are released to the public here.



DOI [doi:10.5886/hh6td9jn](https://doi.org/10.5886/hh6td9jn)

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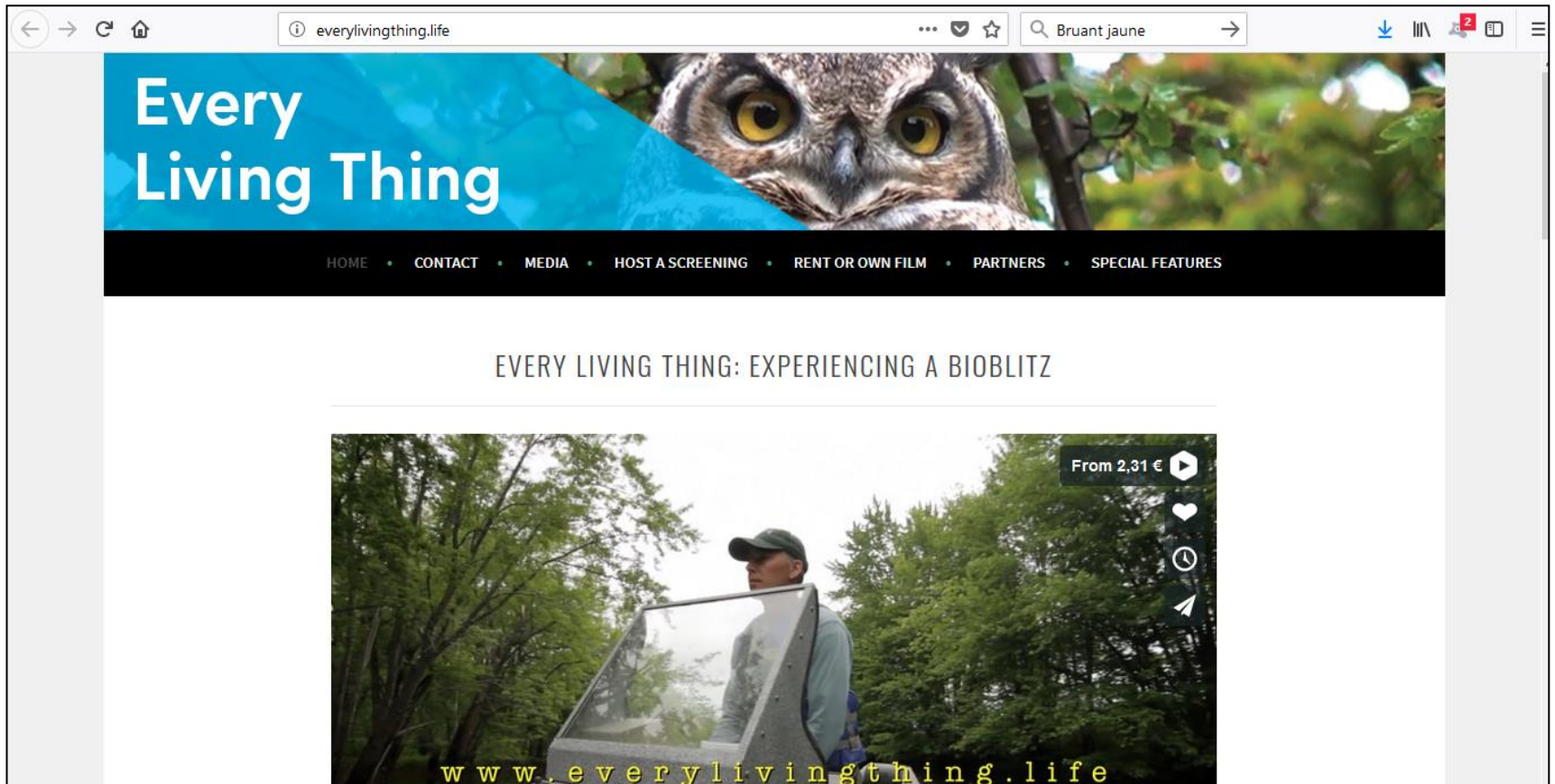


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Projection du film en VOSTF



The screenshot shows a web browser window with the URL everylivingthing.life. The search bar contains the text "Bruant jaune". The website header features the logo "Every Living Thing" in white text on a blue background, with a close-up image of an owl's face. Below the logo is a navigation menu with the following items: HOME, CONTACT, MEDIA, HOST A SCREENING, RENT OR OWN FILM, PARTNERS, and SPECIAL FEATURES. The main content area displays the title "EVERY LIVING THING: EXPERIENCING A BIOBLITZ" above a video player. The video player shows a man in a green cap and light blue shirt standing in a forest, looking through a large, clear, rectangular viewing panel. The video player interface includes a price tag "From 2,31 €", a play button, a heart icon, a clock icon, and a share icon. The website URL www.everylivingthing.life is displayed at the bottom of the video player.

Jeudi 26 Avril, 17h à la SBP