May 23, 2024 – SYMPOSIUM

CHAIRE BIODIVERSITÉ & ÉCOSYSTÈMES

Avec le soutien de la Fondation Jean-François
et Marie-Laure de Clermont-Tonnerre

Solutions to monitor plants, pollinators and their interactions in a changing world

Organizers: Emmanuelle PORCHER
and Gabrielle MARTIN

COLLÈGE DE FRANCE 1530

Thomas Römer
Administrateur du Collège de France
11, place Marcelin-Berthelot, 75005 Paris
www.college-de-france.fr

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Solutions to monitor plants, pollinators and their interactions in a changing world

Amphithéâtre Maurice Halbwachs

Plant-pollinator interactions, which play a central role in the functioning of all ecosystems, including in farmland, are likely to be greatly altered by global change, but these changes remain poorly understood because they are often studied in isolation, either for plants or for pollinators, and with relatively little international coordination, except for certain groups (butterflies) or ecosystems (forests). This lack of knowledge can be a major obstacle to the conservation of plants and their pollinators. The symposium will bring together representatives of the main European structured schemes for the monitoring of plants, pollinators and their interactions. It will be an opportunity to share existing results, identify challenges to analyse available data further, and discuss prospects for improving, developing and extending such monitoring on a European scale, e.g. using automatic identification methods using sound or image analysis.

09h00
Introduction
Emmanuelle Porcher, Centre d'Ecologie et des Sciences de la Conservation, Muséum national d'Histoire naturelle, Paris, France

09h15
The National Plant Monitoring Scheme, a new direction for UK plant recording?
Oliver L. Pescott, UK Centre for Ecology & Hydrology, Wallingford, UK

09h45
Tracking plant population dynamics with a citizen science network
María Begoña García, Pyrenean Institute of Ecology (CSIC), Spain

10h15: coffee break

10h45:
Biodiversity Monitoring in Switzerland: Current State and insights into Plant-Pollinator Interactions
Jérôme Frei and Tobias Roth, Federal Office for the Environment / Hintermann & Weber AG

11h15:
Structured monitoring of wild flora in France demonstrates 15 years of plant community changes related to climate change and pollinator loss
Gabrielle Martin, Centre de Recherche sur la Biodiversité et l'Environnement, Université Toulouse 3 Paul Sabatier, Toulouse, France

11h45
NOVANA - monitoring Danish terrestrial habitats
Bodil Ehlers and Christian Damgaard, Department of Ecoscience, Aarhus University, Denmark

12h15: Lunch break

13h45
Long-term changes in forest plant communities have affected species' abundances and pollinator resources
Donald M. Waller, American datasets from forestREplot, Madison, USA

14h15
forestREplot: A database of forest herb layer resurvey plots
Pieter de Frenne, Forest & Nature Lab, Ghent University, Ghent, Belgium

14h45
Plant Biodiversity Trends and Monitoring in Germany
Ute Jandt, Martin Luther University Halle-Wittenberg, Institute of Biology / Geobotany and Botanical Garden, Halle (Saale), Germany
Helge Bruelheide, German Centre for Integrative Biodiversity Research (iDiv) Halle-Jena-Leipzig, Leipzig, Germany

15h15: coffee break

15h45
European policy background for pollinator monitoring
Andreas Gumbert, European Commission- DG Environment, Brussels, Belgium

16h00
European initiatives for pollinator monitoring
Denis Michez, Laboratory of Zoology, University of Mons, Mons, Belgium

16h30
The Spipoll project: monitoring plant-visitor interactions in France with citizen science
Nicolas Deguines, Ecologie et Biologie des Interactions, Université de Poitiers, Poitiers, France

17h00
Collaborative AI for plant biodiversity monitoring: From Pl@ntNet to GeoPl@ntNet
Alexis Joly and Pierre Bonnet, Laboratoire d'Informatique, de Robotique et de Microélectronique de Montpellier, INRIA, Montpellier, France / botAnique et Modélisation de l'Architecture des Plantes et des végétations, CIRAD, Montpellier, France.

17h30-18h00
Closing discussions