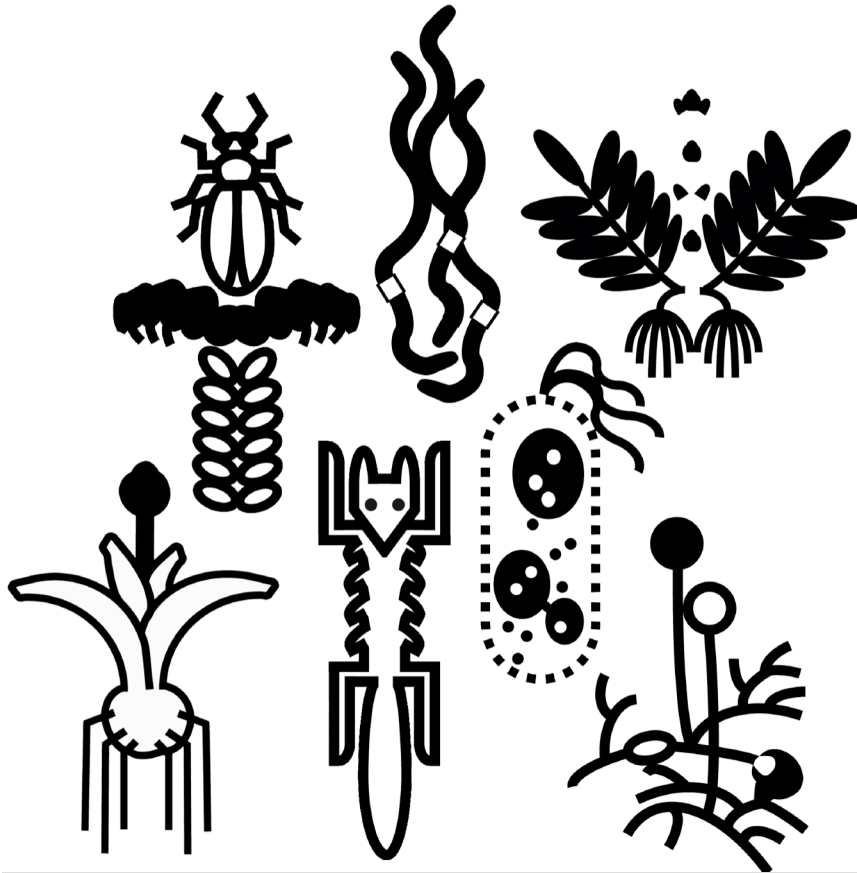


PARIS LECTURE AND WORKSHOP

ORGANISMS DEMOCRACY_Club Real 2020



Information for workshop participants

7 parliamentary groups, 21 Species/Citizens from the Parc de la Cité Universitaire International: The document includes scientific, english and french names, topics that came up during the guided tour of the park and links for further information and for preparation of the parliamentary discussion on 22nd of October.

Trees Shrubs Climbers

+ Populus alba/White poplar/Peuplier blanc

topic: vital but unwanted seedlings/root suckers versus plantings of privileged and highly dependent young trees and shrubs. The universal

declaration of organisms rights gives every organism the right to reproduce. <https://organismendemokratie.org/wp-content/uploads/2020/08/19DeclarationOrgRights.pdf>
https://en.wikipedia.org/wiki/Populus_alba
https://inpn.mnhn.fr/espece/cd_nom/115110

+ Robinia pseudoacacia/black locust/ robinier faux-acacia
topic: well prepared for climate crisis but unwanted because of partly invasive tendencies (also here, root suckers have come up after pruning back an older tree), growing international community of users and inhabitants (see Arthropods)

https://en.wikipedia.org/wiki/Robinia_pseudoacacia
https://inpn.mnhn.fr/espece/cd_nom/117860

+ Aesculus hippocastanum/horse chestnut/ marronnier commun
topic: climate crisis problems, several normally unproblematic inhabiting users/species/citizens can become a threat for the plants (see Bacteria and fungi) https://en.wikipedia.org/wiki/Aesculus_hippocastanum
https://inpn.mnhn.fr/espece/cd_nom/80334

Arthropods

+ Cydalima perspectalis/box tree moth/Pyrale du buis
topic: unvoluntarily introduced to Germany from southeast Asia in 2006, spread all over Europe, came to France in 2009, as a result of the availability of only one of the foodplants (Buxus sempervirens) of this species, the moth ate/killed a lot of Box trees and most humans consider it to be an „invasive pest“.

https://en.wikipedia.org/wiki/Cydalima_perspectalis
https://inpn.mnhn.fr/espece/cd_nom/645061

+ Aceria fraxinivora(Eriophyes fraxinivorus)/Cauliflower Gall mite on Fraxinus ornus

topic: Arthropods and plants can successfully live together without being problematic for each other, even if the architecture of the mites

plantaccomodation may be esthetically unusual for people who are not used to it. https://en.wikipedia.org/wiki/Aceria_fraxinivora

https://inpn.mnhn.fr/espece/cd_nom/221285/tab/fiche

+ Harmonia axyridis/Harlequin or Asian Ladybeetle/Coccinelle asiatique (plus cowpea aphid *Vicia craccivora*) topics: international community of species that were introduced by humans (coccinelle asiatique on north american black locust), plus, a former inhabitant of the Coccinelle asiatique, against which it has become immune is transmitted to older european species and makes them sick/kills them.

<https://www.nature.com/news/invasive-ladybird-has-biological-weapon-1.13011>

and https://en.wikipedia.org/wiki/Harmonia_axyridis

Molluscs Worms

+ *Aelurostrongylus abstrusus*/snail and cat – nematode (feline lung worm)

<https://capcvet.org/guidelines/aelurostrongylus-abstrusus/>

topics: tension between being a consumer and a citizen (for the cat, the snail and the nematode)

+ *Cornu aspersum*/garden snail/Le petit gris

https://inpn.mnhn.fr/espece/cd_nom/199863

https://en.wikipedia.org/wiki/Cornu_aspersum

topics: the relations/cultural practises – e.g. who eats whom, who looks each other into the face- change the status, decide about wether for example humans and snails are enemies or citizens in dialogue

+ *Limax maximus*/leopard slug/Limace Léopard

<https://psycnet.apa.org/record/1989-28424-001>

https://inpn.mnhn.fr/espece/cd_nom/64213

https://en.wikipedia.org/wiki/Limax_maximus

topics: the leopard slug is capable of learning memorising, dances a matrimonial dance, and eats, among other ressources, other snails, yet it is detested by most humans, is that because it is so similar to us?

Herbs Grasses Perennials

+ *Conyza sumatrensis*(*Erigeron sumatrensis*)/sumatran fleabane/ la vergerette de Sumatra

topics: Which organisms „fit“ into the current

authoritarian/aesthetic/ecosystem services regime, that represents the power and importance of the institution CIUP? Which species do not fit and why? https://inpn.mnhn.fr/espece/cd_nom/96814

https://fr.wikipedia.org/wiki/Conyza_sumatrensis

+ *Senecio inaequidens*/ South African ragwort/ Sénéçon de Mazamet

topic: considered to be a „EEE“ - espèce exotique envahissante. It thrives very well on railroadsites, postindustrial sites and along highways in Europe. Are we trying to project our own problems on other species without giving them the same rights?

https://fr.wikipedia.org/wiki/Senecio_inaequidens

https://inpn.mnhn.fr/espece/cd_nom/122630

+ *Polygonum aviculare*/ birdweed, pigweed, lowgrass/Renouée des oiseaux

topics: This plant thrives because it is strong enough that people can tread on it every day, here in the Park of CIUP even cars drive over it, because it grows on a parking lot. But it is also a tasty vegetable. And a citizen.

https://en.wikipedia.org/wiki/Polygonum_aviculare

https://inpn.mnhn.fr/espece/cd_nom/114658

Vertebrates

+ *Procyon lotor*/raccoon/ Raton laveur

topic: Because it has a fur and a sweet face and a very long wikipedia article the racoon is very popular among humans but in organisms democracy it has the same rights as the *Culex pipiens* Entomopoxvirus.

https://inpn.mnhn.fr/espece/cd_nom/60822

<https://en.wikipedia.org/wiki/Raccoon>

+ *Psittacula krameri*/rose ringed parakeet/ Perruche à collier

topics: The Perruche – introduced from India and Africa – has „naturalised“ in many european cities. It can live in disturbed habitats and in Europe it is a profiteer of climate change, how does it interact with citizens in Park de la CIUP that live in similar habitats and have the same needs?

https://en.wikipedia.org/wiki/Rose-ringed_parakeet

https://inpn.mnhn.fr/espece/cd_nom/3448/tab/fiche

+ *Bufo viridis*/ European green toad/Crapaud vert

topics: Green toads are attached to cities and open/disturbed habitats, but the Parc de la CIUP is too tidy and static to be a good habitat for it and there are not enough water bodies/zones of increased moisture close by and the pedestrian path to the Lake in Park Montsouris is too dangerous because of cars and the tram tracks

<https://amphibiaweb.org/species/312>

https://uicn.fr/wp-content/uploads/2015/09/Tableau_Liste_rouge_Amphibiens_de_France_metropolitaine.pdf

Fungi Moss Lichen

+ *Erysiphe flexuosa* /North american powdery mildew fungus on horse chestnut

topics: although fungi, that live on and from plants are named „pathogens“, they are also citizens and the reason that *Erysiphe flexuosa* can spread epidemically all over europe is that *Aesculus hippocastanum*, which has been planted in large groups and alleys in cities all over Europe in the last decades, has increasingly got problems with climate crisis.

https://en.wikipedia.org/wiki/Erysiphe_flexuosa

<https://public.bibliothek.uni->

[halle.de/index.php/schlechtendalia/article/view/543/568](https://public.bibliothek.uni-halle.de/index.php/schlechtendalia/article/view/543/568)

+ *Hanseniaspora uvarum* (*Kloeckera apiculata*)/wine/fruit yeast on Elder berries (in cooperation with *D. suzuki*)

topics: *Drosophila suzuki* is regarded as a dangerous pest in fruit production, for *Hanseniaspora/Kloeckera* it is a valuable partner to find new resources

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6320491/>

<https://eurekabrewing.wordpress.com/2014/09/26/hello-my-name-is-hanseniaspora-uvarum-aka-kloeckera-apiculata/>

+ *Coprinellus micaceus*/ le coprin micacé

topics: although it is not part of the exotic tree elite, on display in the Park de la CIUP, this beautiful citizen, that eats the remains off the trees in the ground once the Park management has decided to cut them down, should also be worth of getting a metal name plate.

https://inpn.mnhn.fr/espece/cd_nom/37327

https://en.wikipedia.org/wiki/Coprinellus_micaceus

Bacteria Single Celled Organisms Viruses

+ *Wolbachia pipientis*/Wolbachia-Insect-Bacterium

topic: Hey, this bacterium is not part of the Inventaire National du Patrimoine Naturel, but it affects many spiders and insects, 15% of all insects are colonised - by raising the female reproduction numbers the *Wolbachia* bacterium advantages its own reproduction. some insects f.i. *trichogramma* wasps have adapted to *wolbachia* to such an extent, that they cannot procreate effectively without the bacterium in their bodies anymore. Who adapts to whom? That is the question. <https://en.wikipedia.org/wiki/Wolbachia>

+ *Culex pipiens* Entomopoxvirus (EPV)/common house mosquito insectpoxvirus

topics: many humans still believe that viruses are not organisms, that they are not even alive, because they depend on others to reproduce.

Nevertheless the agency of viruses is obvious and their important role in evolution is more and more discovered. And there is a big issue on the political agenda concerning the ways viruses and others can and want to

live together. So let us talk! (Sorry, I don't have a wikipedia article)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2395973/pdf/bullwho00430-0014.pdf>

https://link.springer.com/chapter/10.1007/978-1-4615-5341-0_1

+ *Pseudomonas syringae* pv. *Aesculi* / "Chancre du Marronnier"

topics: What is the difference between a cultivar and a pathovar? How can a change of perspective create a new basis for working together as a community of all organisms?

https://en.wikipedia.org/wiki/Pseudomonas_syringae

https://fr.wikipedia.org/wiki/Pseudomonas_syringae

Club Real, Georg Reinhardt, October 22, Paris, Parc de la CIUP, 2020