Communication and scientific publications linked to the long term experiment EcoFoodSystem

Phd students working on the experiment:

Mathieu Delandmeter, Christophe Lacroix, Sami Kambire (EXPLORE), Clémence Pirlot (AIL4Waterquality), Nina Leclef (EXPLORE), Tom Desmarez (EXPLORE)

Post-docs working on the experiment

Logan Penvern (EXPLORE), Roxane Dhomée (TAPIR), Jennifer Michel (TAPIR), Roxane Bhruwyler (TAPIR)

Communications

- Impact of integrated crop livestock farming systems (ICLS) on the soil microbial activity, Kambire, Sami; De Clerck, Caroline; Bindelle, Jérôme et al. 2024 • 30th General Meeting- Why Grassland? (poster) https://hdl.handle.net/2268/320602
- Towards a better understanding of the influence of ecology-based farming practices on soil biological properties along a rural-urban transect. De Clerck Caroline. 2024 • first international conference of soil and agriculture (oral-keynote) https://hdl.handle.net/2268/323846
- Effect of crop rotation on weed community: The case of an innovative long-term cropping system in Belgium Lacroix, Christophe; Van Den Abeele, Martin; Monty, Arnaud et al. 2023 • International Symposium on Crop Protection (oral) https://hdl.handle.net/2268/308585
- Identification of pesticide-degrading strains of soil bacteria in an innovative cropping system in transition to zero pesticide Guillaume, Benjamin; Pirlot, Clémence; Lassois, Ludivine et al. 2023 • 74th international symposium on crop protection (oral) https://hdl.handle.net/2268/302771
- Prospective analysis of the evolution of agronomic, environmental and nutritional performances of contrasting crop rotations when facing climate change Delandmeter, Mathieu; Bindelle, Jérôme; De Clerck, Caroline et al. 2022 • Conference Circular@WUR: Living within planetary boundaries (oral) https://hdl.handle.net/2268/290615
- Isolation characterization and identification of pesticide-degrading strains of soil microorganisms: the case of an innovative cropping system in Belgium Guillaume, Benjamin; Lassois, Ludivine; Massart, Sébastien et al. 2022 • 3rd International Conference in Microbial Ecotoxicology-EcoToxicOmic 2022 (poster) https://hdl.handle.net/2268/293025
- EcoFoodSystem: Exploring innovative cropping management for sustainable future-proof food systems in Belgium, Wallonia De Clerck, Caroline; Dumont, Benjamin; Bindelle, Jérôme 2021 • Circular Food Systems Network Kick off meeting (oral) https://hdl.handle.net/2268/264313
- Les choix méthodologiques influencent-ils les résultats ? Application aux essais de lixiviation en colonne de sol Pirlot, Clémence; De Clerck, Caroline; Pigeon, Olivier et al. 2021 • Journées d'Étude des Sols (JES) (oral) https://hdl.handle.net/2268/289647
- Les choix méthodologiques influencent-ils les résultats ? Application aux essais de lixiviation en colonne de sol Pirlot, Clémence; De Clerck, Caroline; Degré, Aurore 2021 • Groupe Français de recherche sur les Pesticides (poster) https://hdl.handle.net/2268/289646
- Reconnecting agriculture to food systems for global sustainability. The example of long term experimental crop rotations of AgricultureIsLife De Clerck, Caroline; Dumont, Benjamin; Beckers, Yves et al. 2020 25th National Symposium for Applied Biological Sciences (oral) https://hdl.handle.net/2268/245542

- AgricultureIsLife: an experimental platform to assess the long term stability of innovative rotations for contrasting future feeding systems De Clerck, Caroline; Dumont, Benjamin; Beckers, Yves et al. 2019 Belgian Nutrition Society hot topic seminar (oral) https://hdl.handle.net/2268/241354
- AgricultureIsLife: une plateforme expérimentale visant à tester la stabilité à long terme de rotations innovantes et leur capacité à répondre à des régimes alimentaires futurs et contrastés De Clerck, Caroline; Dumont, Benjamin; Beckers, Yves et al. 2019 • Workshop "transition agroécologique » Unilassale Beauvais (poster) https://hdl.handle.net/2268/241356

Papers:

- Pirlot, C., Renard, A.-C., De Clerck, C., & Degré, A. (2024). How does soil water retention change over time? A three-year field study under several production systems. *European Journal of Soil Science*, 75(4), e13558.
- Delandmeter et al (2025) Towards sustainable diets and farming systems through land use optimization. Submitted in NPJ sustainable agriculture
- Delandmeter et al (2025)Soil-crop models to explore contrasting livestock integration into cropping systems with climate change. Submitted in European Journal of Agronomy
- De Clerck et al (2025)Reconnecting food production and consumption through redesigning food systems to support healthy diets. Submitted in Agronomy for Sustainable Development