

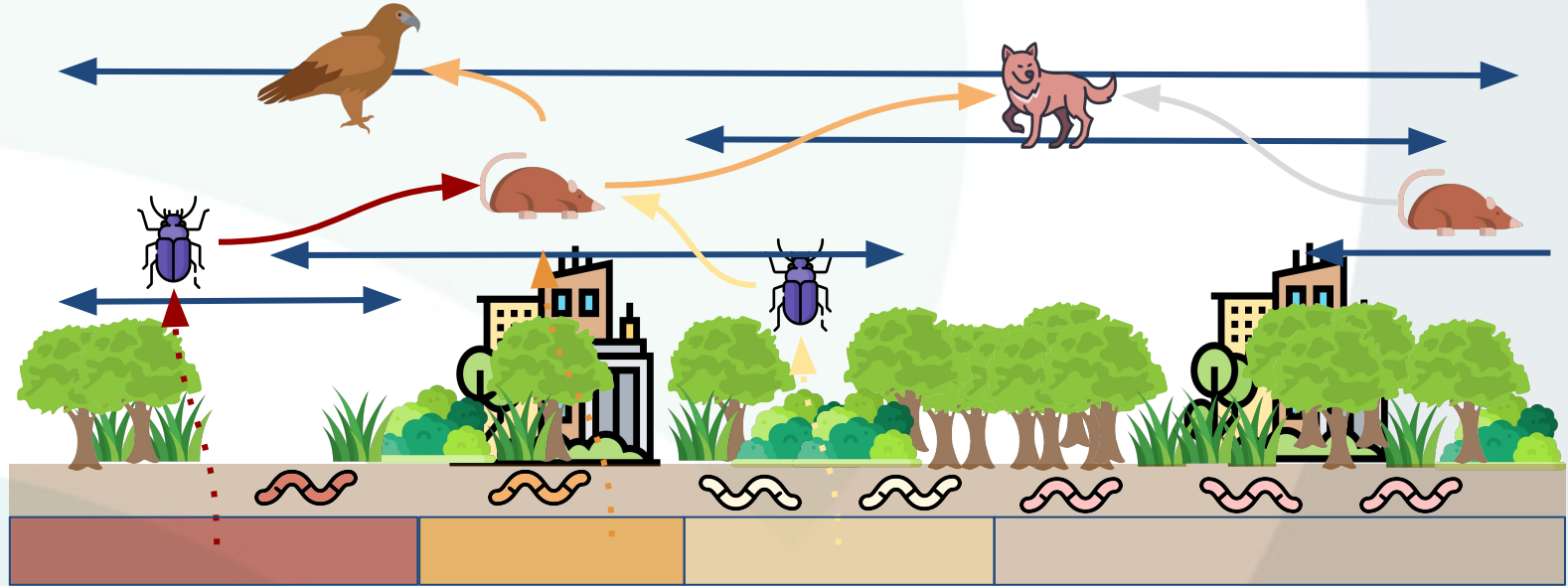
Cartographier les Risques des Contaminations des Sols sur la Biodiversité

25 Mars 2025


Consortium SPACEMOD


Virgile Baudrot, Clémentine Fritsch, Michaël Coeurdassier,
Vincent Driget, Francis Raoul, Thomas Kleiber, Shinji Ozaki, et Renaud Scheifler

SPACEMOD



Metaleurop

 Ancienne fonderie (65 ha)

 Zone d'étude (40 km²)

Suivis écotoxikologiques depuis 2006

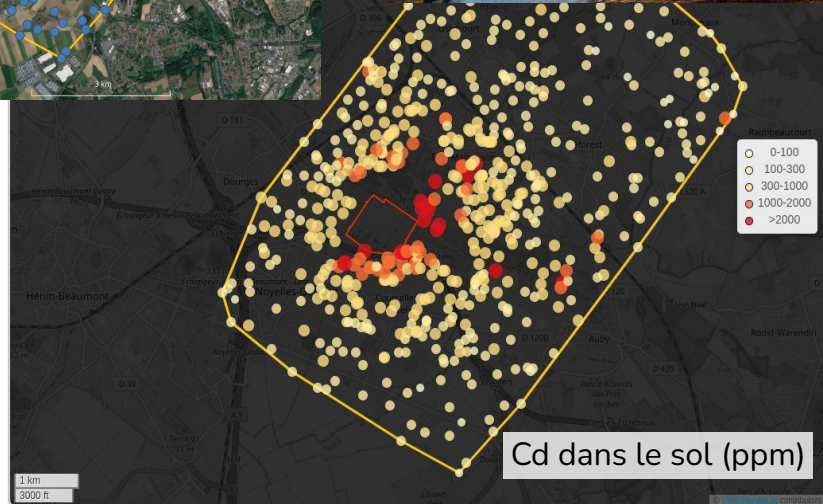
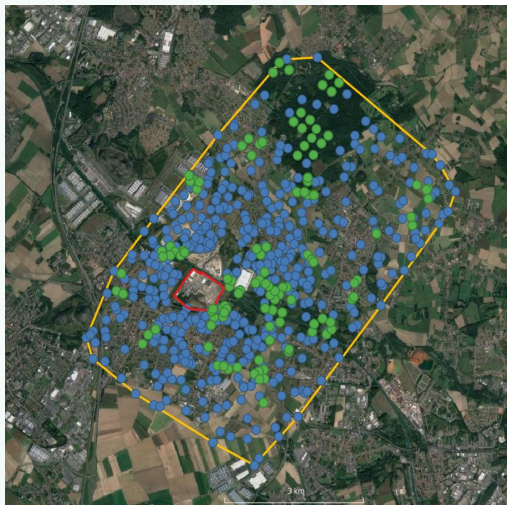
 595 mesures sols

 1426 micromammifères (9 sp.)

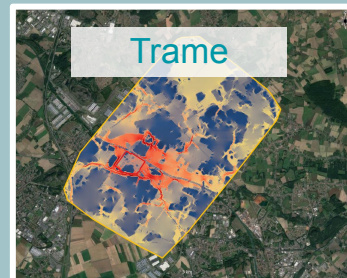
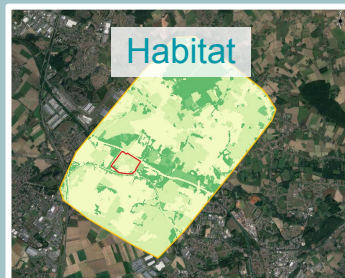
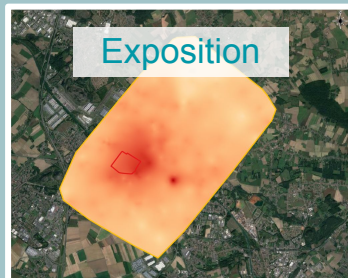
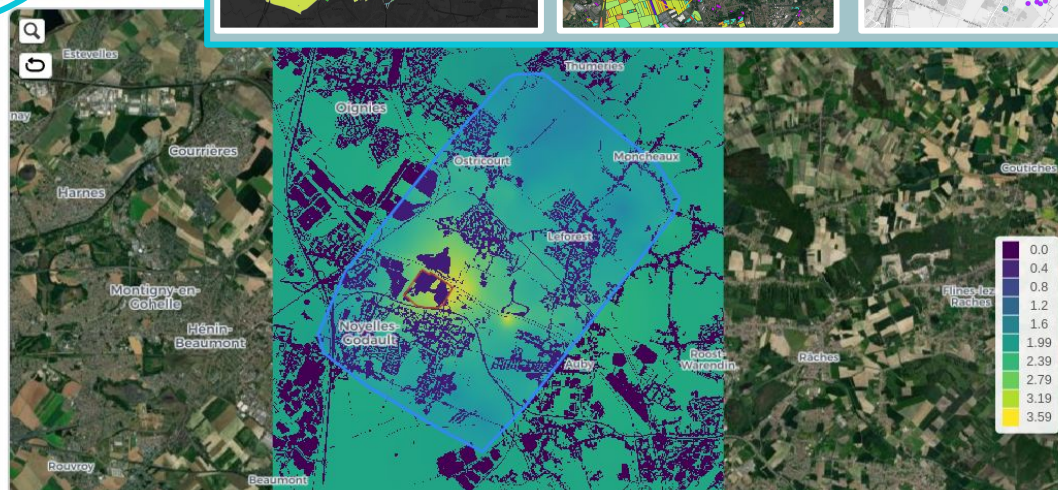
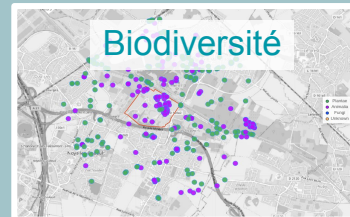
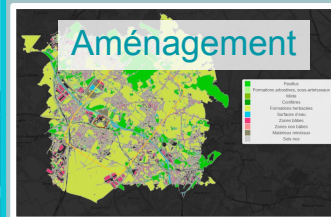
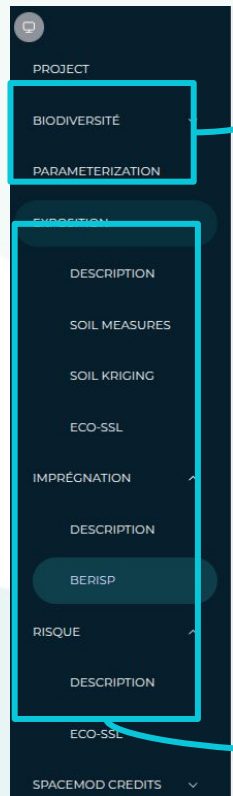
Pollutions principales des sols Cd, Pb

dat@UBC

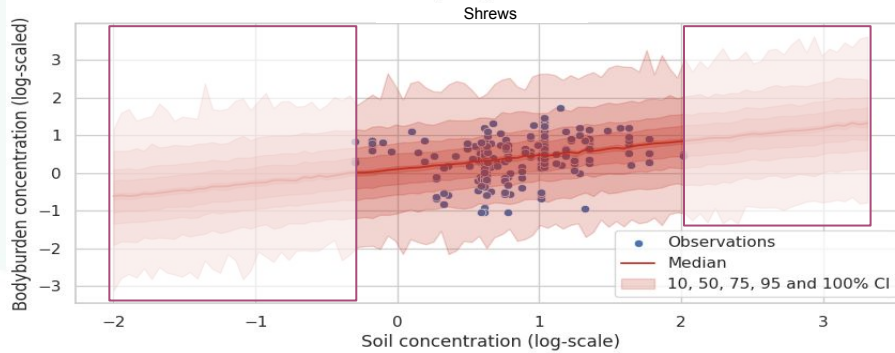
[doi:10.25666/DATAUBFC-2016-04-06](https://doi.org/10.25666/DATAUBFC-2016-04-06)



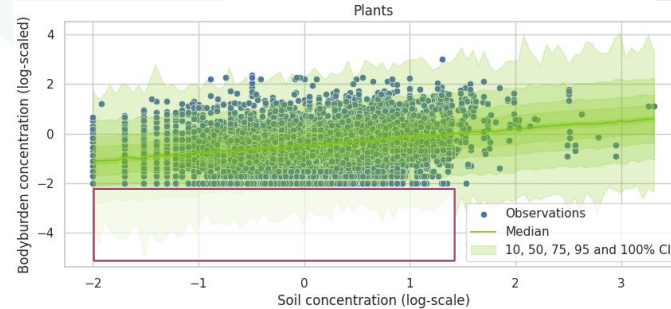
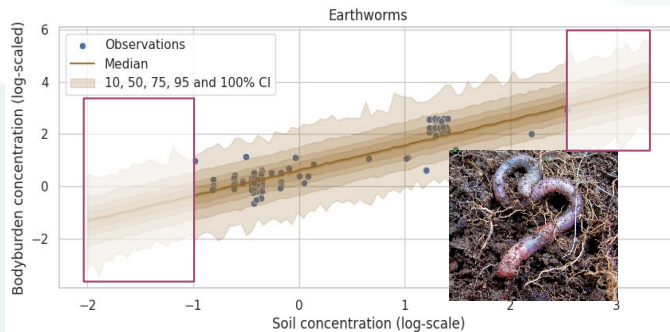
Objectifs



Transfert Trophique

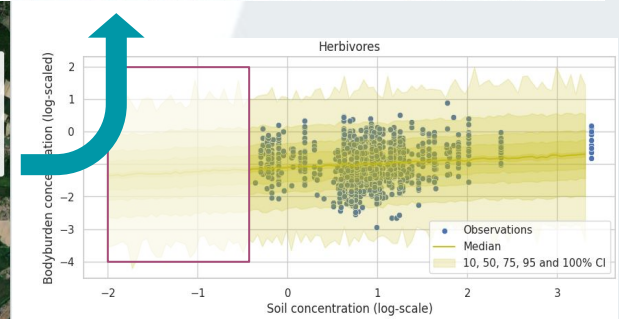
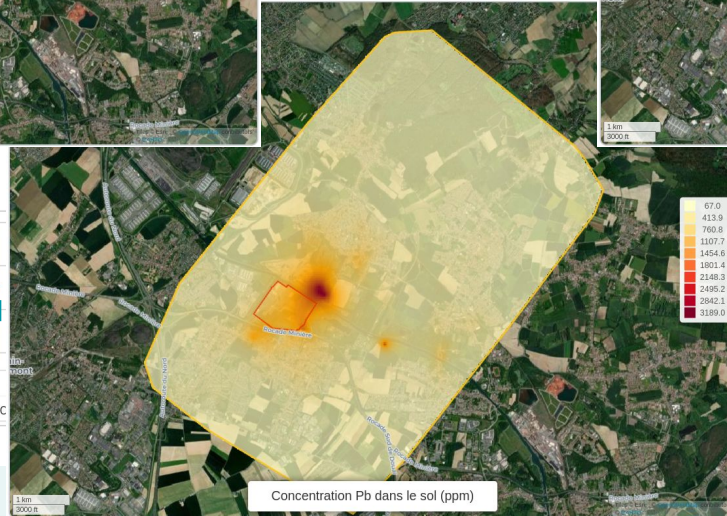
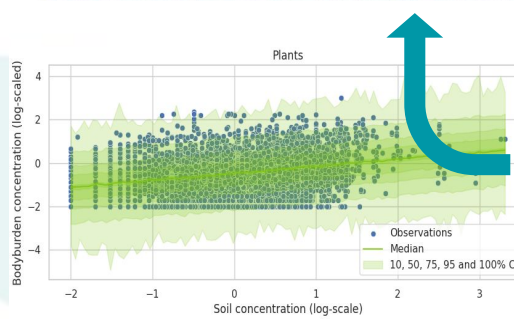
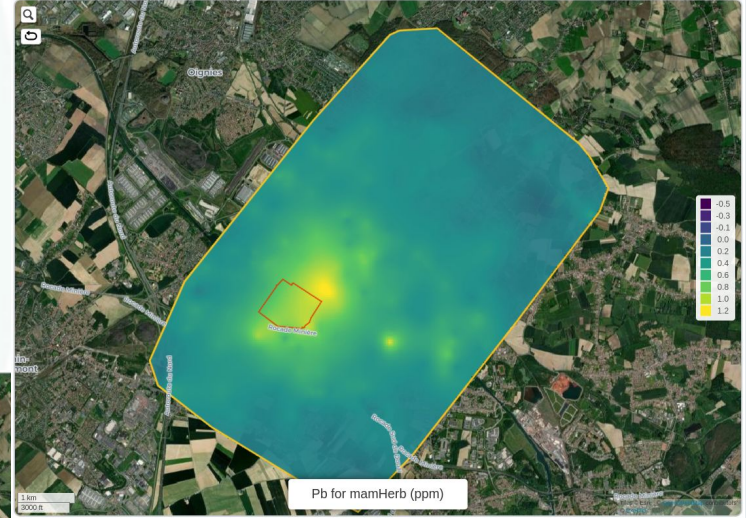
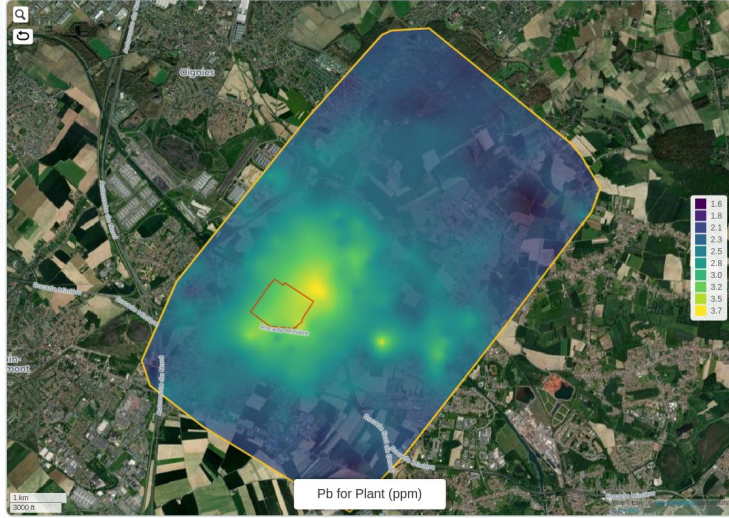


$$[Cd]_{\text{musaraigne}} = x\% [Cd]_{\text{ressource}}([Cd]_{\text{Sol}}) * \text{Taux d'Ingestion} + x\% [Cd]_{\text{Sol}}$$

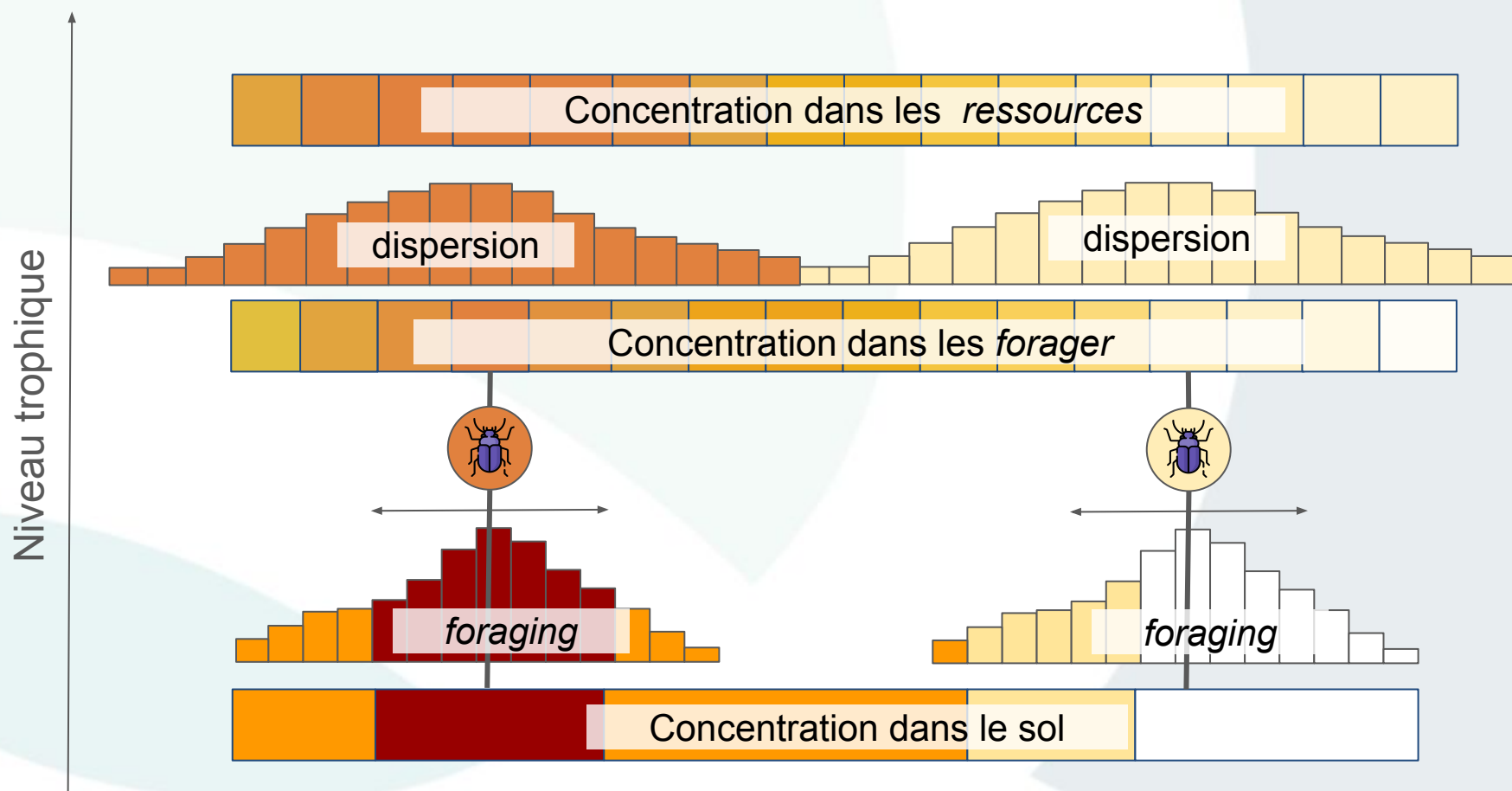


Concentration totale dans le sol ou matériaux du sol

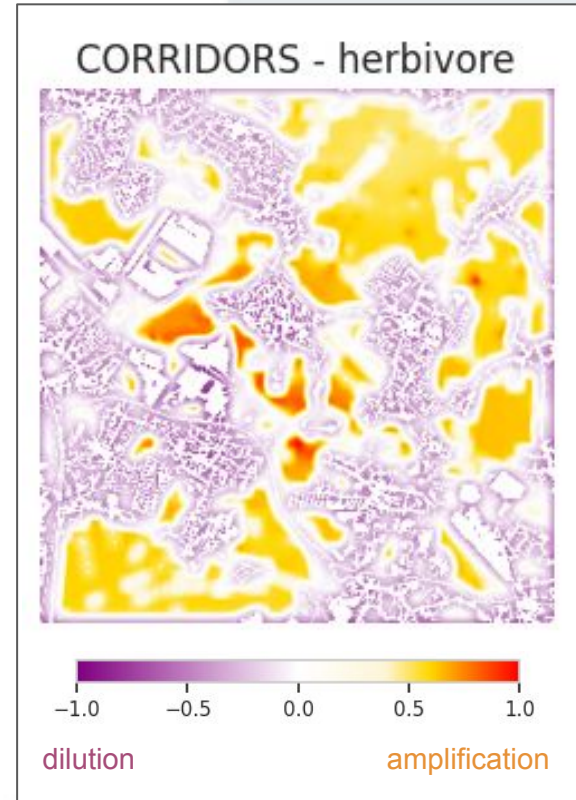
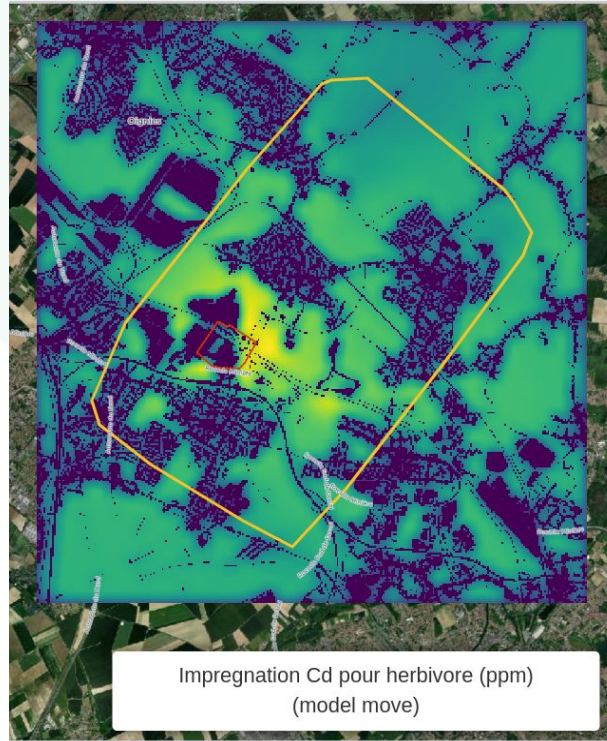
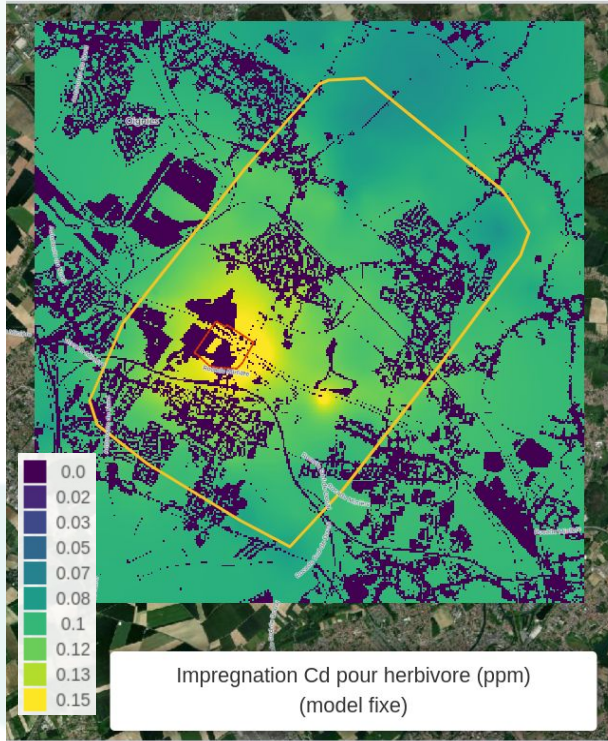
Transfert Trophique



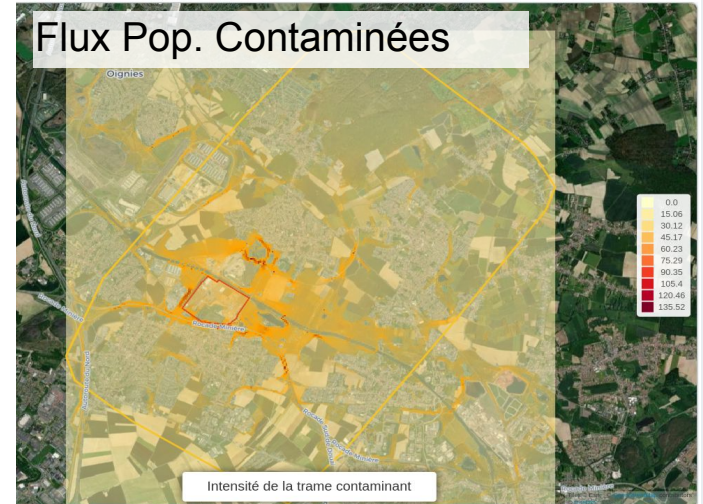
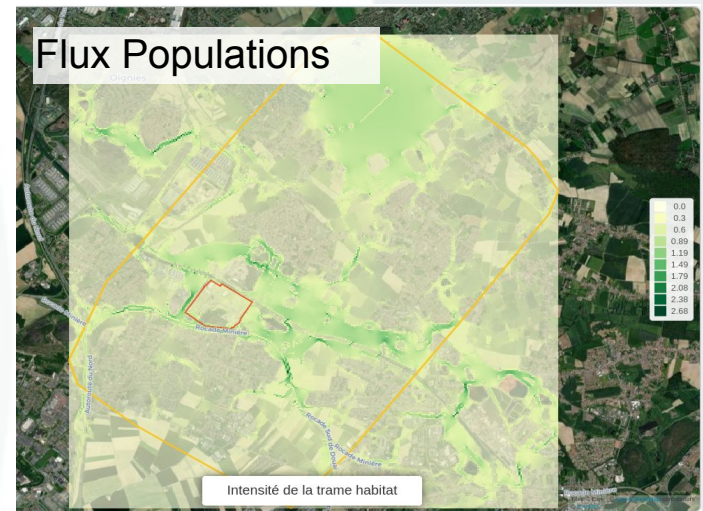
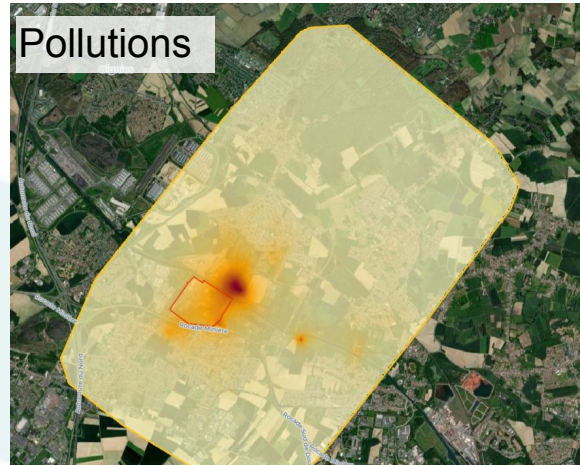
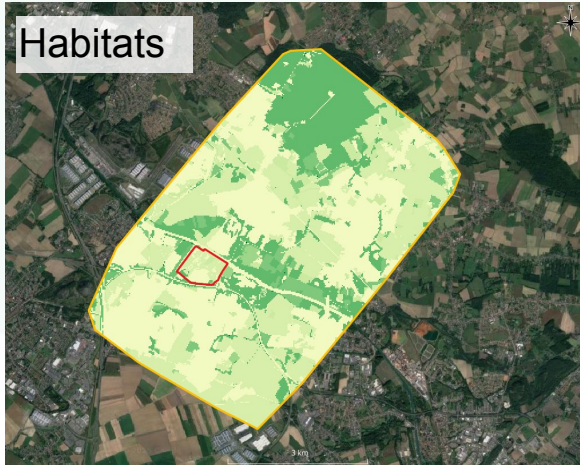
Dispersion



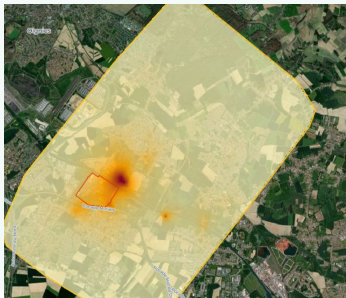
Dispersion



Trame



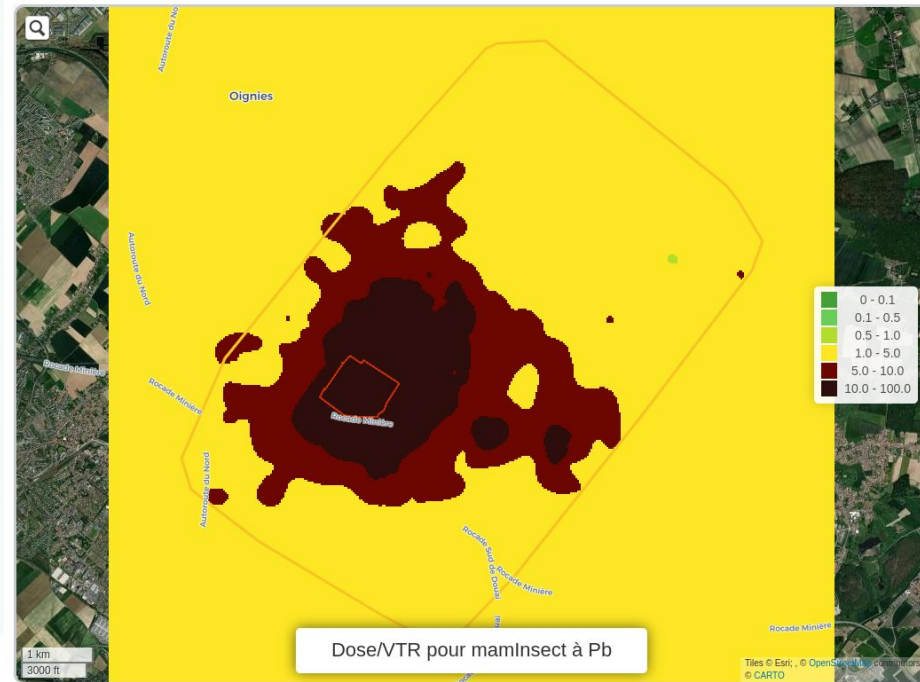
TrameS Exposome



Agriculture



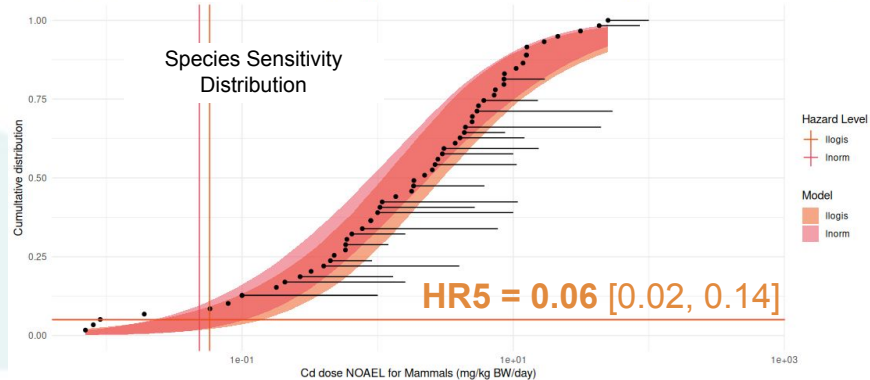
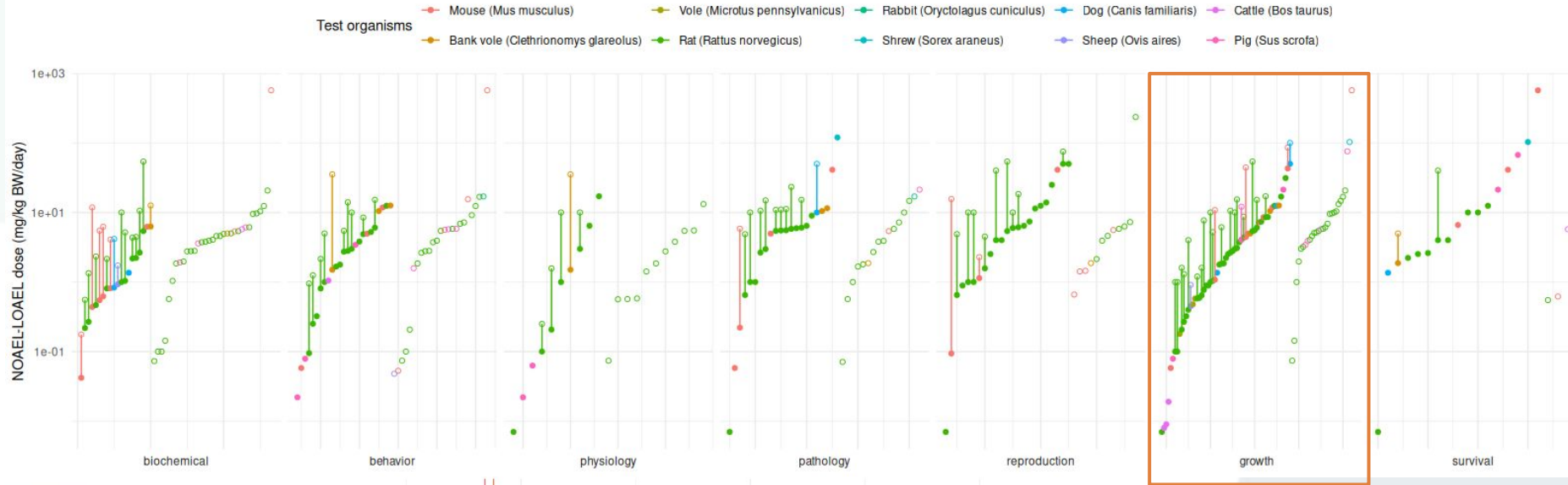
Risques



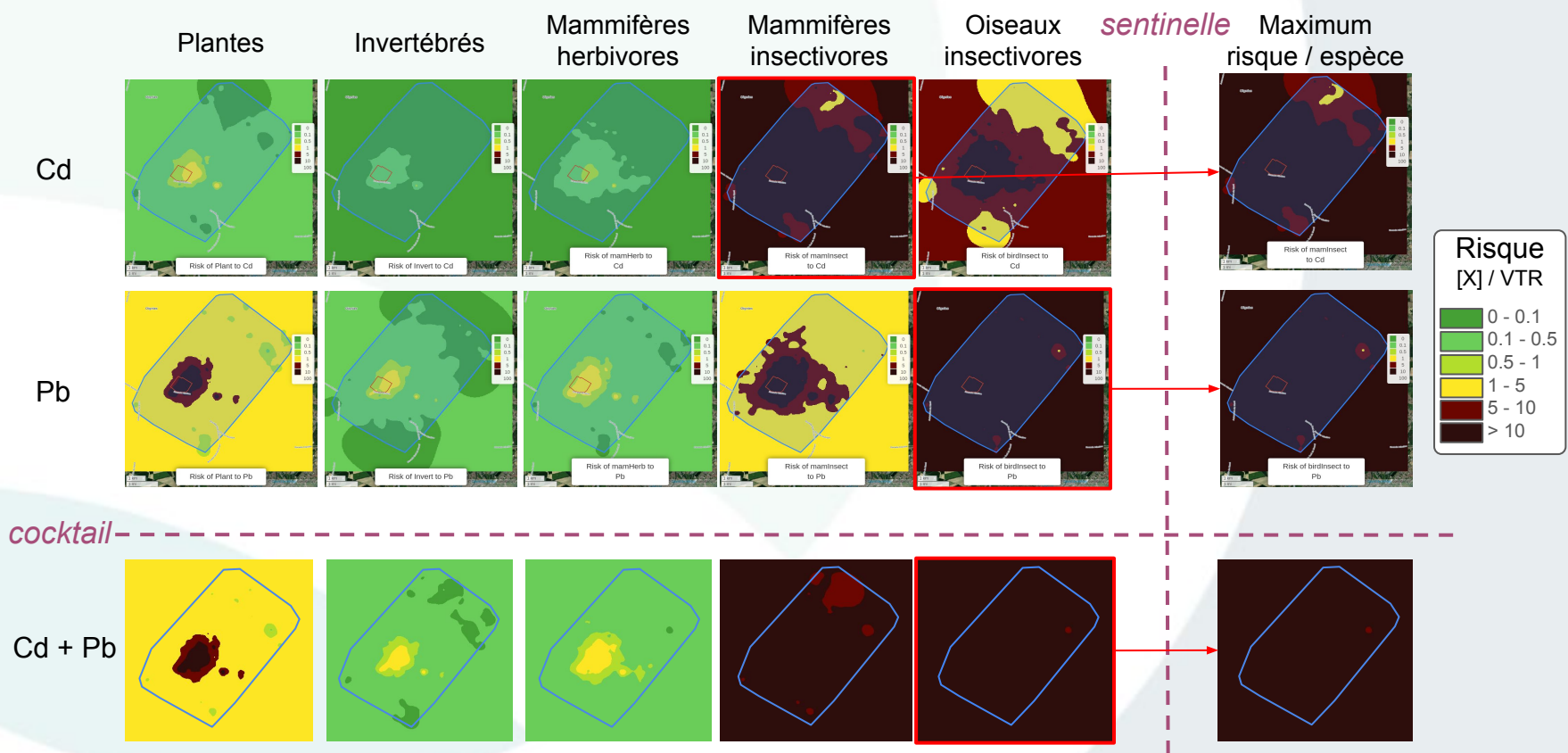
Références méthodologiques :

- Fritsch et al. (2010) Spatial distribution of metals in smelter-impacted soils of woody habitats: Influence of landscape and soil properties, and risk for wildlife. [Chemosphere 81 \(2010\) 141–155](#)
- Eco-SSL US-EPA (2008) Ecological Soil Screening Levels ECO-SSL. [WEBSITE Eco-SSL US EPA](#)

Valeur Toxicologique de Référence



Multi-Contaminants * Multi-Espèces



MERCI



Cherche Partenaire(s)
Professionnel(s) pour REX.



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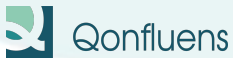
ADEME (financeur)



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