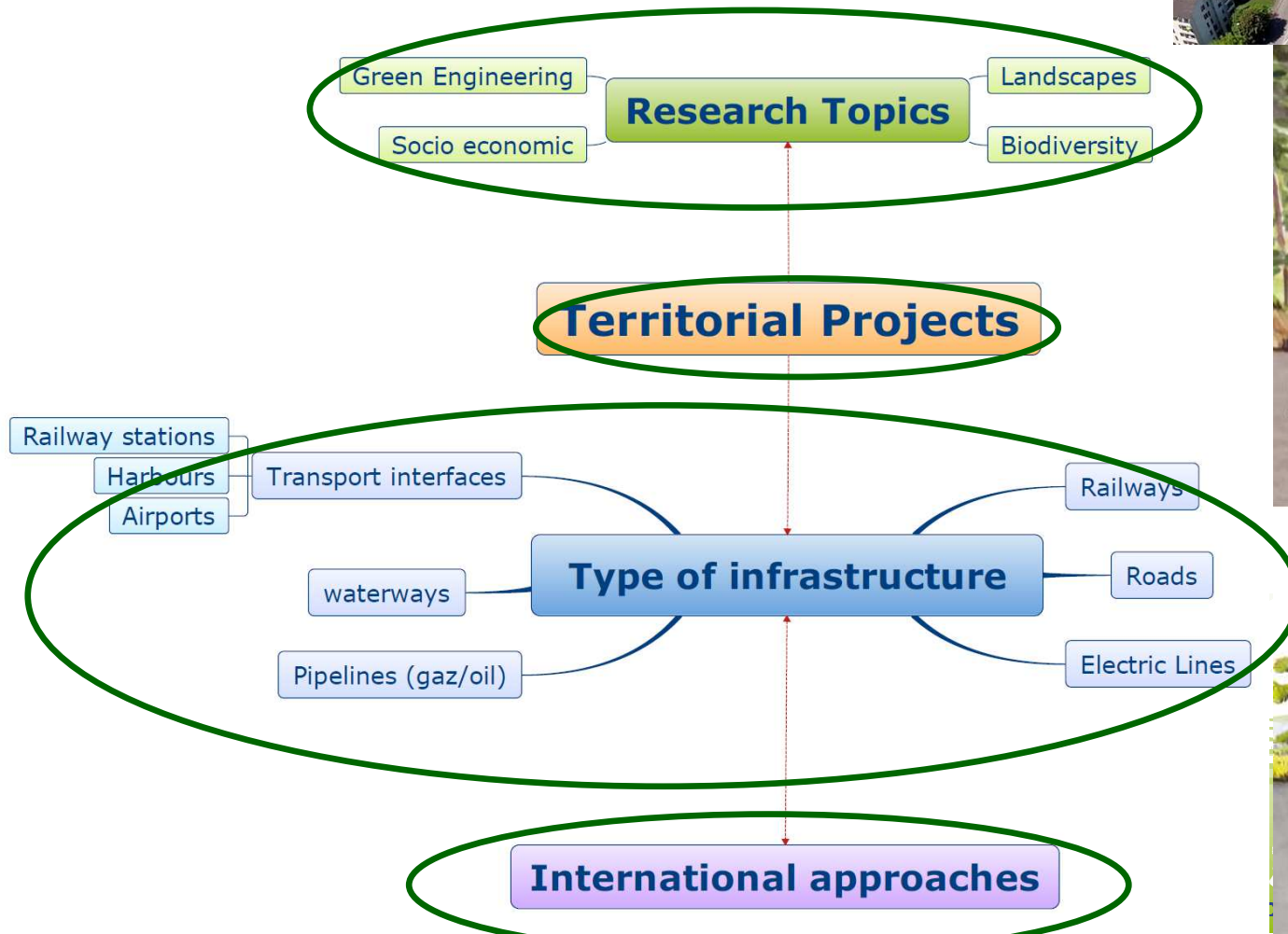


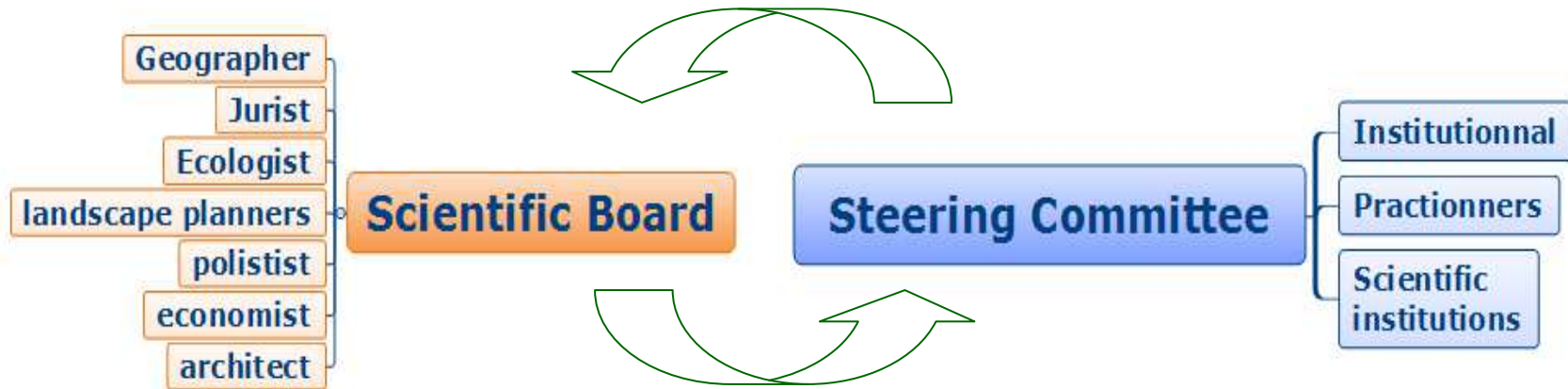
# ITTECOP as applied research program

1. Support public policy
2. Scientific and technological knowledge
3. Pluridisciplinary and pluri infrastructure approach

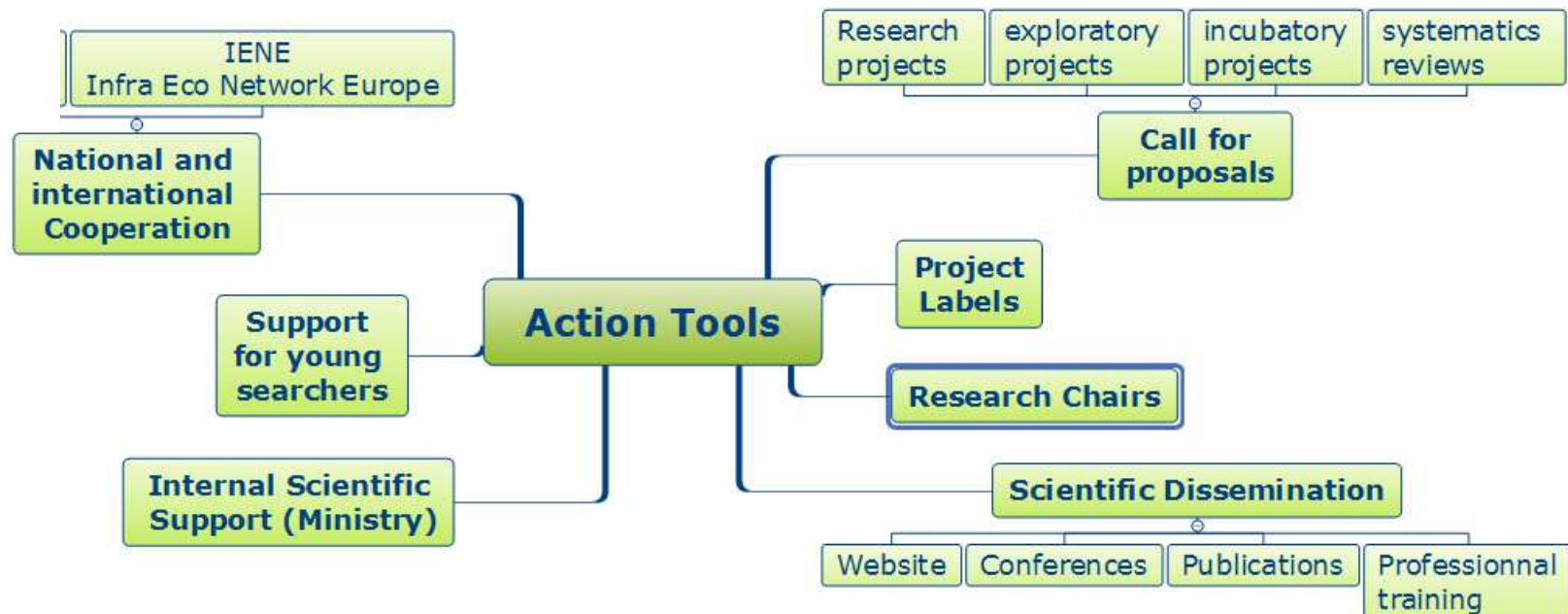


# How does it work?

## 1. Program governance



## 2. Structuration of the community



# Specificity of ITTECOP issues

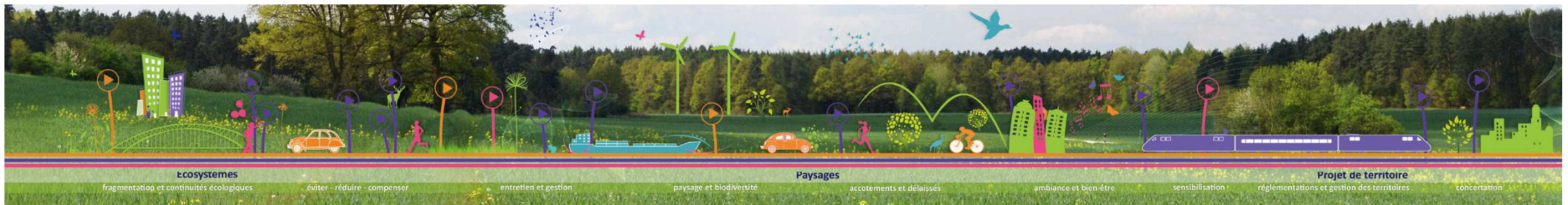
Long term analysis of infrastructure effects

Better use of infrastructure verges potential in a large landscape approach

Adaptation of existing infrastructure and prospective



**A cross ambition: Improve new ways to share scientific knowledge with practionners and stakeholders until final use on the field**



**Modelisation tools**

**Invasive species**

**Avoid/reduce/  
compensate strategy**

**Roadkill and  
collisions**

**Green engineering  
and pollution**

**Ecosystemic  
services on verges**

**Pollinators and verges  
management**

**Landscape ecology and  
socio-economic hybridation**

**Thanks for your attention!**

**[yannick.autret@developpement-durable.gouv.fr](mailto:yannick.autret@developpement-durable.gouv.fr)**

**All details on [www.ittecop.fr](http://www.ittecop.fr)**

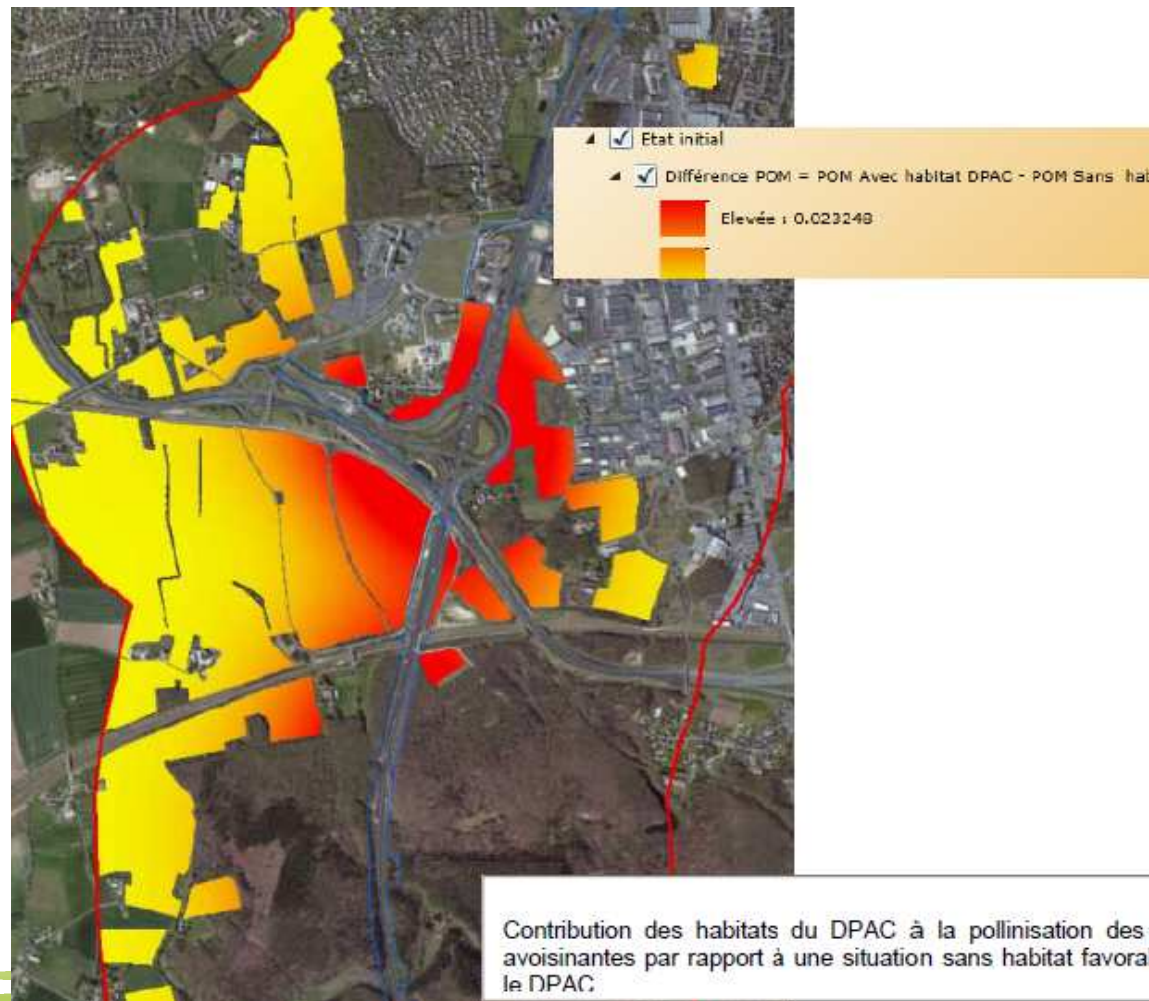
**Discover IENE Network : [www.postconf.iene.info](http://www.postconf.iene.info)**



# SERV-ECO

Can evaluating the ecosystem services of green verges in linear transport infrastructure help when developing biodiversity measures that are adapted to project managers' budget constraints and social uses?

Egis Structures et Environnement – [Dorothee.labarraque@egis.fr](mailto:Dorothee.labarraque@egis.fr)

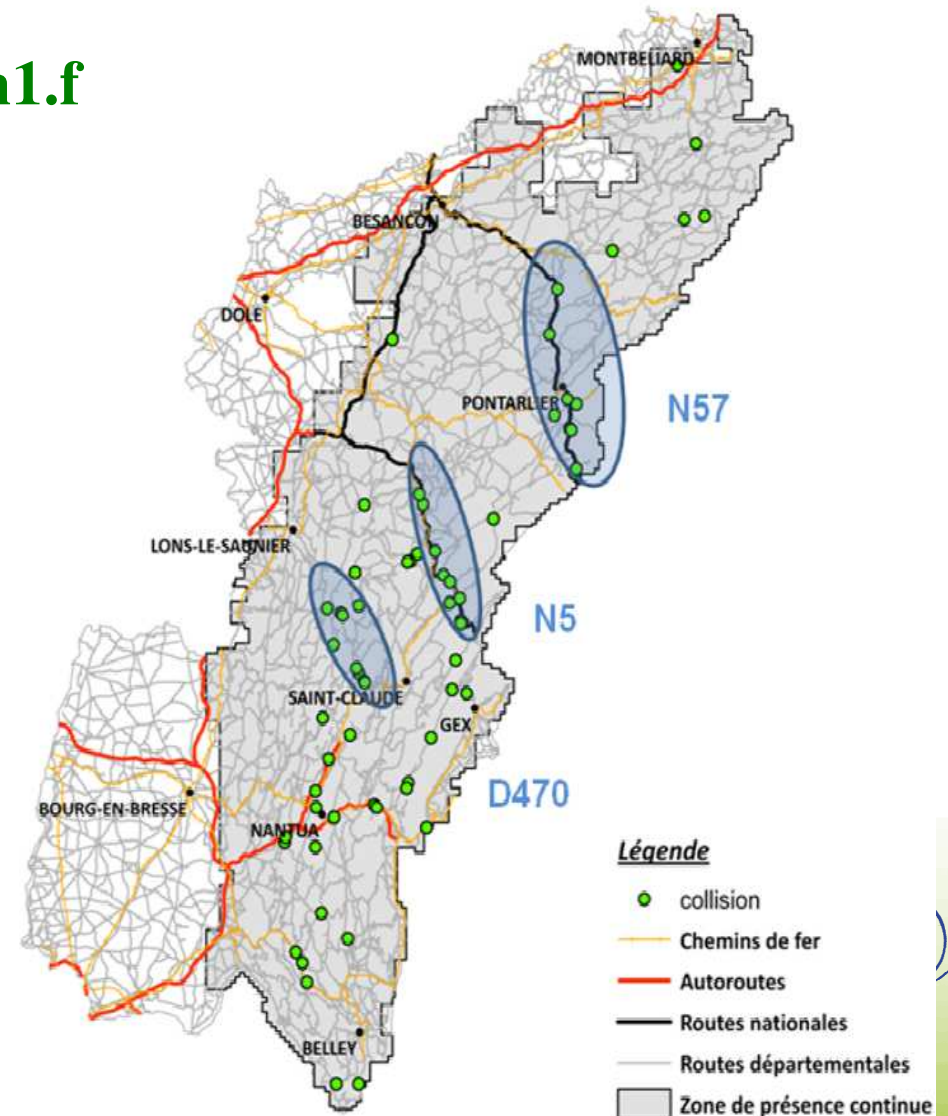


ITTECOP

# LYNX

## Developing a model to diagnose interactions amongst landscape structure, land-transport infrastructure and emblematic species: Case of the lynx in the Jura Mountains.

Contact: [gaillard@biomserv.univ-lyon1.f](mailto:gaillard@biomserv.univ-lyon1.f)

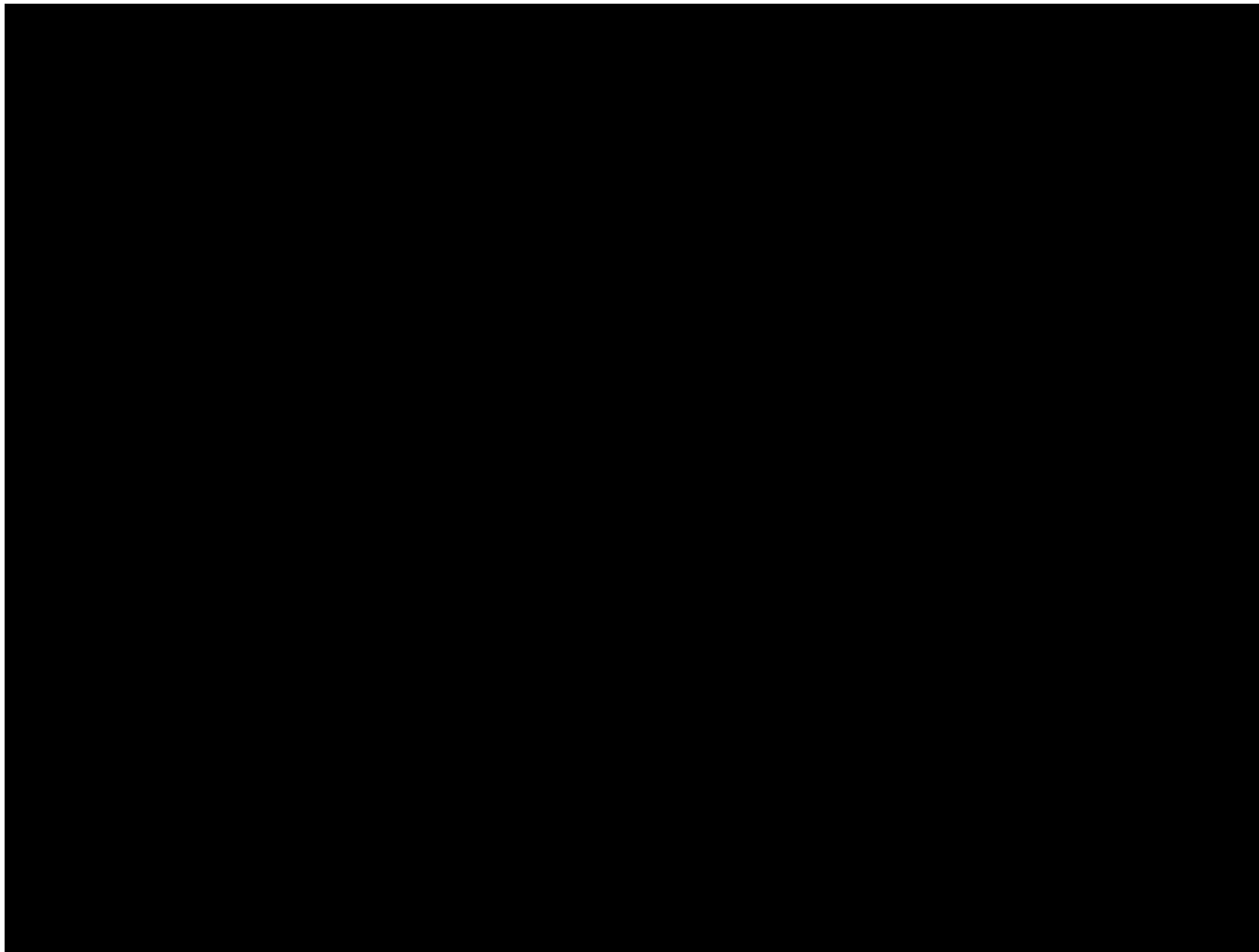




# D-TRANSECT

**Those left behind as a result of the Huveaune Valley crossings: species dispersal, vernacular practices and the mediation of landscapes**

**Frédéric Poussin, LAREP / Ecole Nationale Supérieure de Paysage de Versailles**

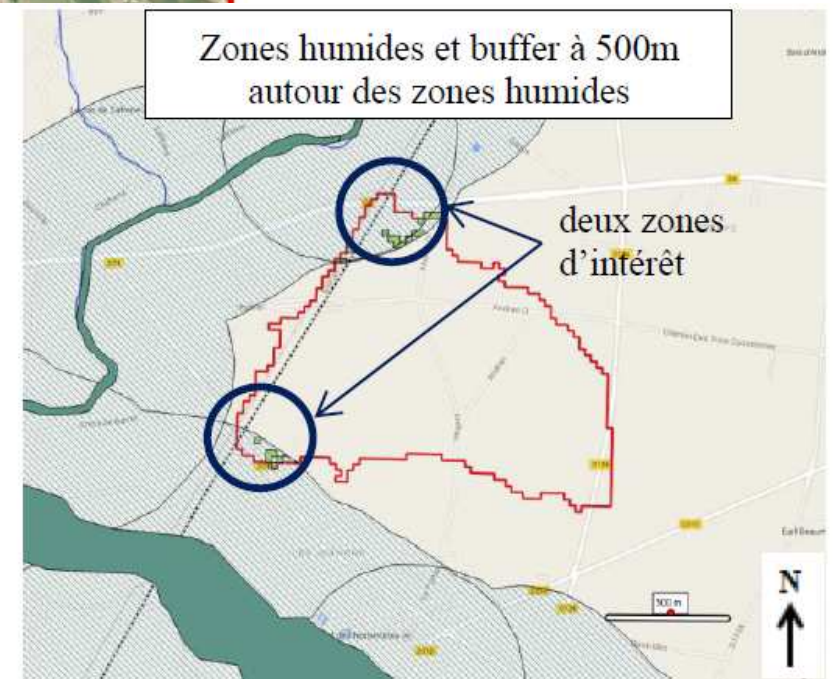
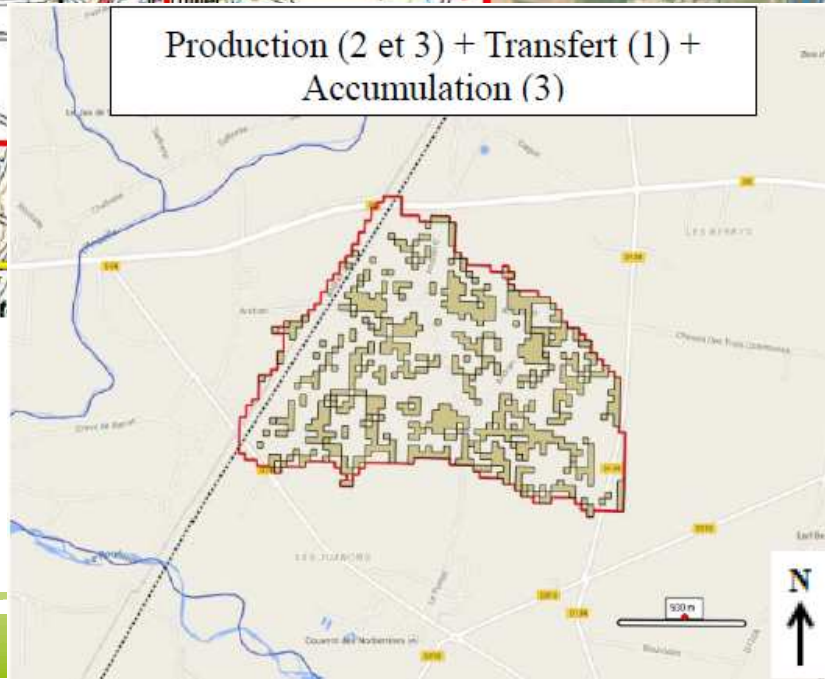
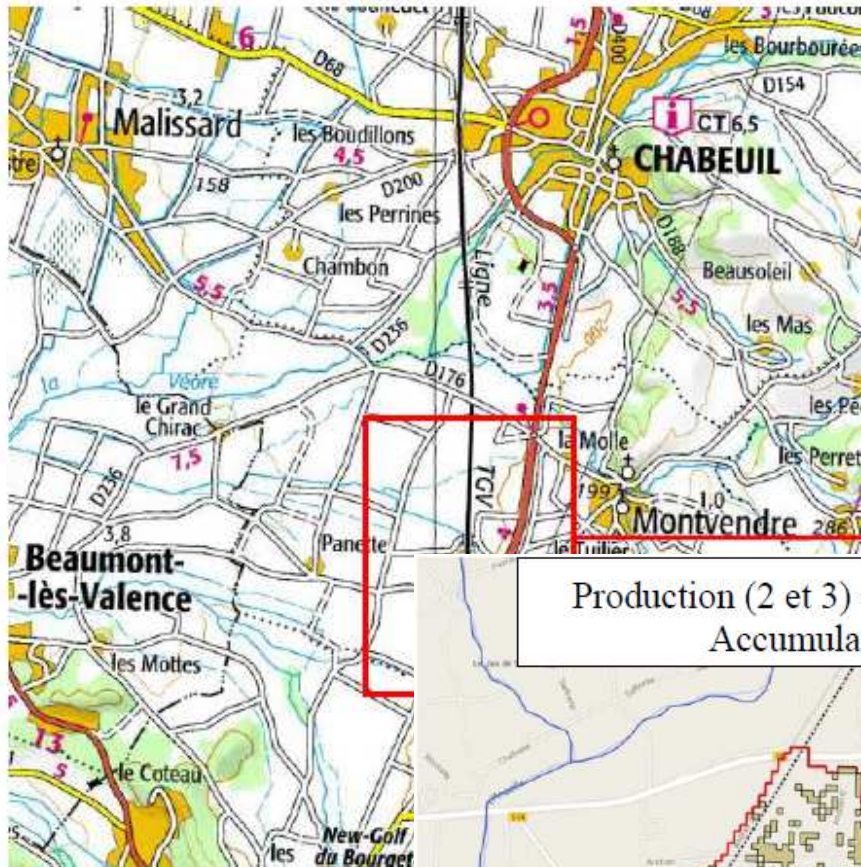


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# RHIZU

## Managing heavy runoff around a rail network to help create wet zones with ecological potential

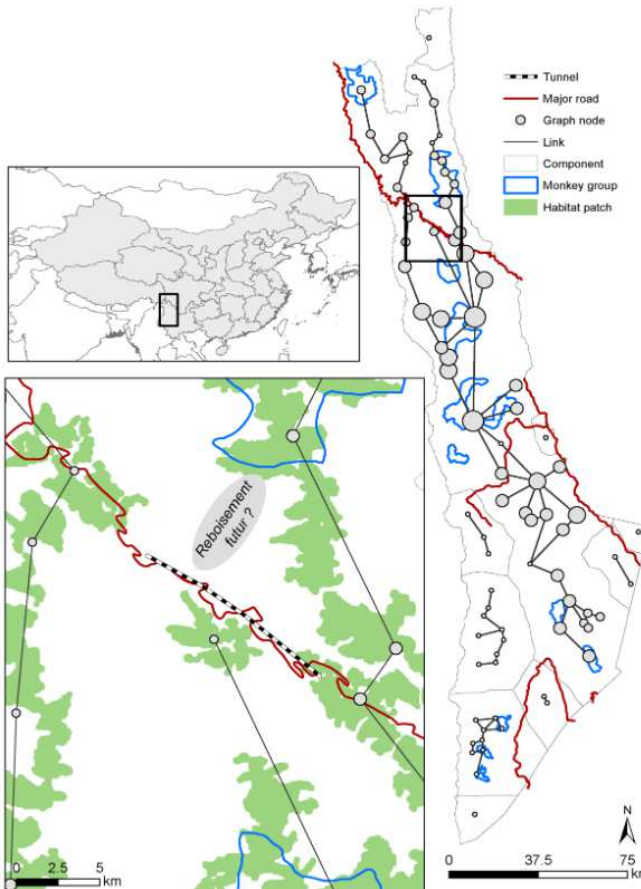
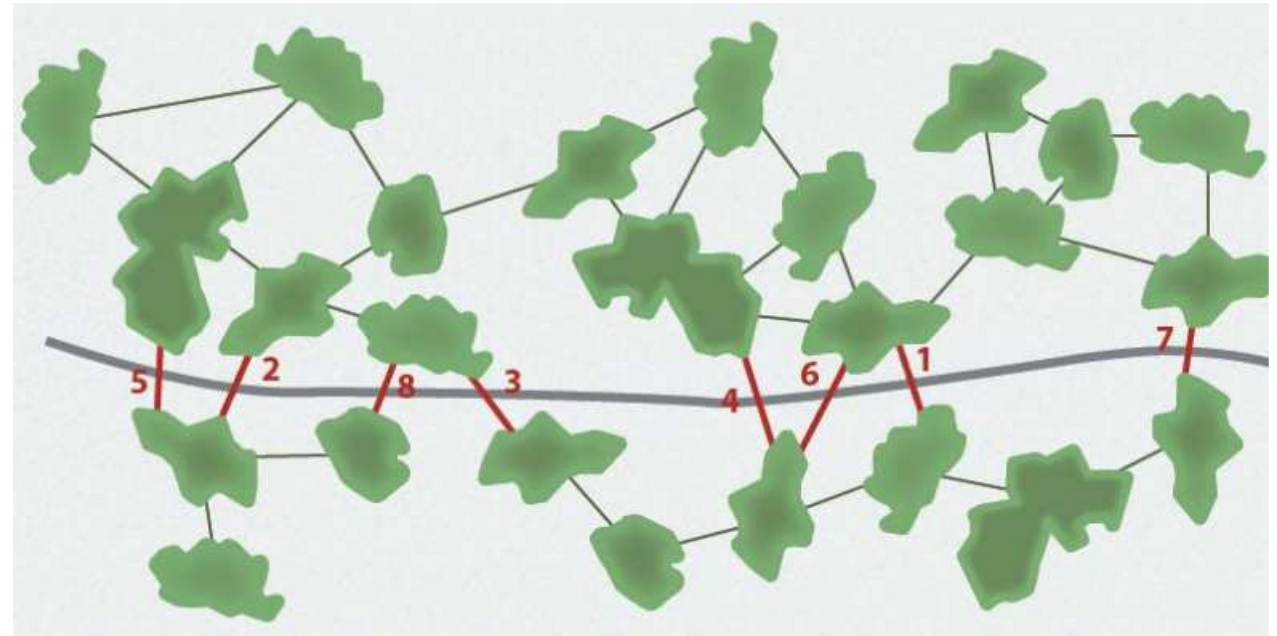


# Graphab

## Using Landscape graph to evaluate and mitigate the impacts of major transport infrastructure on species

jean-christophe.foltete@univ-fcomte.fr

A tool to help stakeholders to spare time, money and preserve biodiversity at the same time

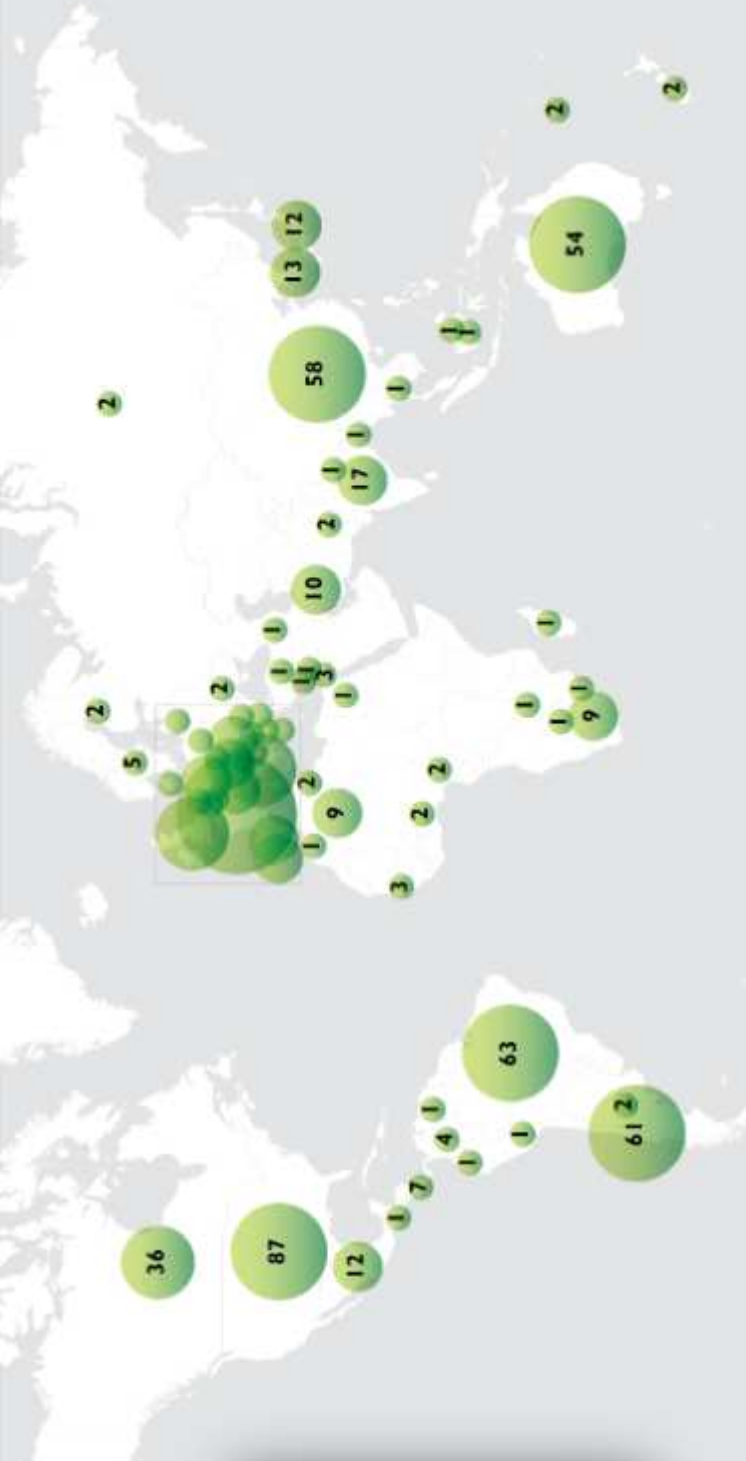


A reliable and reproducible process based on graph theory and landscape genetics



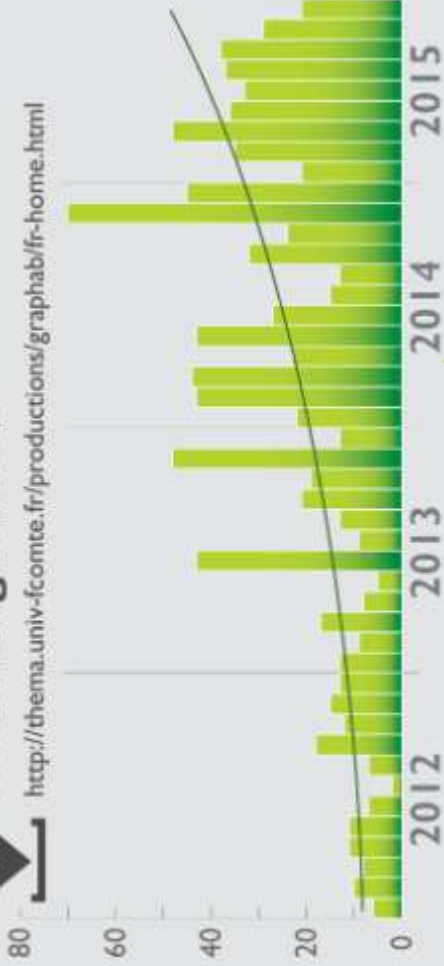
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## ↓ Téléchargements

<http://thema.univ-fcomte.fr/productions/graphab/fr-home.html>



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utilisateurs  
uniques**



**18 publications  
internationales**

- Landscape Ecology
- Biological Conservation
- Environmental Impact Assessment Review
- Landscape and Urban Planning
- Revue Internationale de Géomatique
- Environmental Modelling & Software
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- River Research and Applications
- Journal for Nature Conservation
- Ecological Indicators
- European Journal of Research



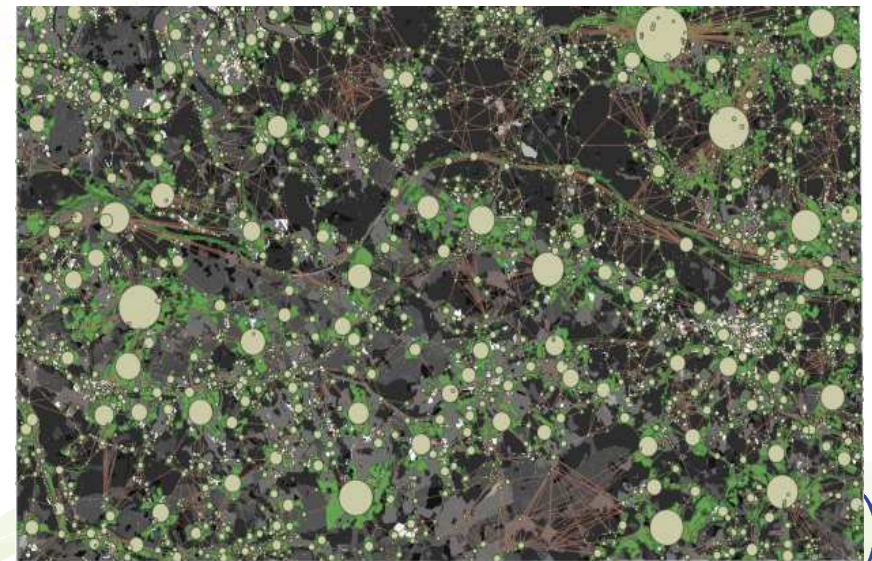
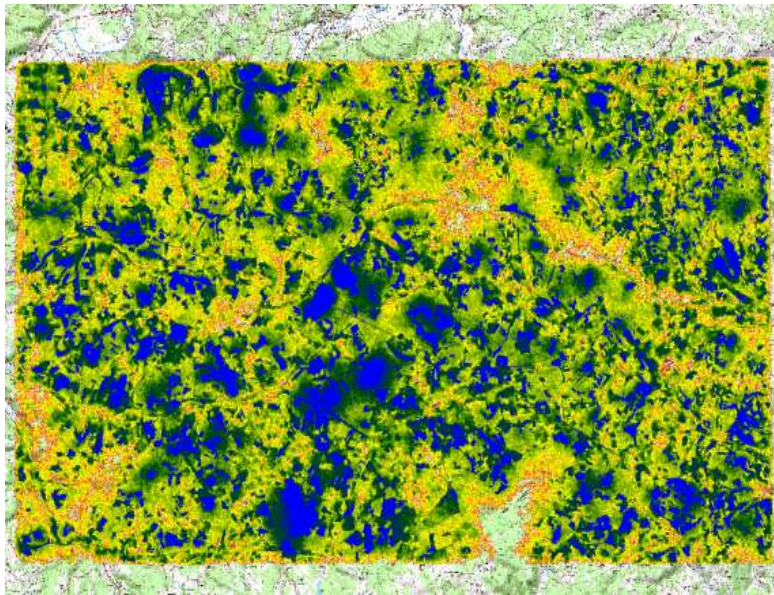
# CIFER - Cumulation of transportation Infrastructure and Functional Ecological Relationship

Sylvain.moulherat@terroiko.fr

*During my project life cycle what kind of tool may I use to limit my development impact? With which level of realism?*

*What are the most relevant tools given my development phase?*

Sim  
Oïko



Terr  
Oïko

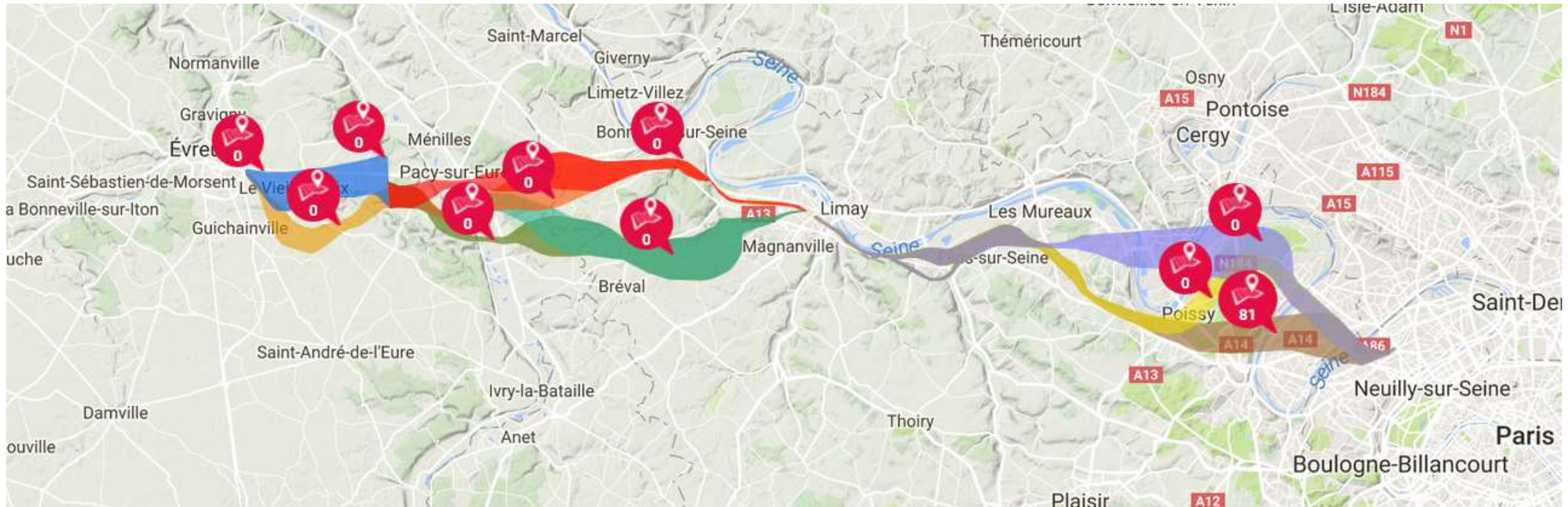


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# COMPILSA – Compensation and linear infrastructure: strategies and scenario for action (fanny.guillet@mnhn.fr)



Avoid



Mitigate



Compensate

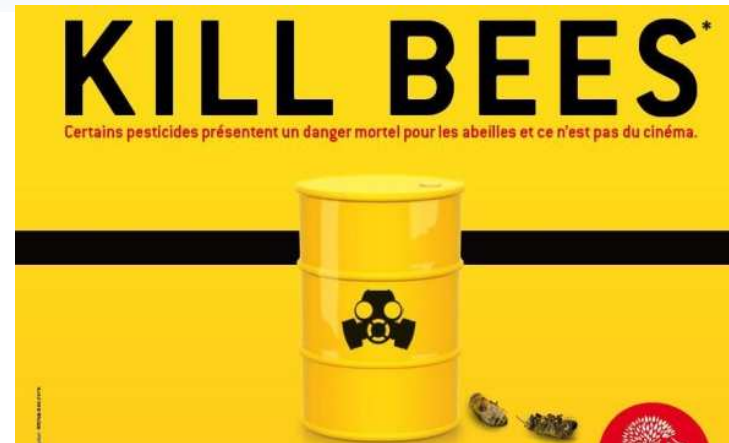


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# PolLinéaire: Assessing the potential of linear infrastructure verges for conservation and dispersal of wild pollinators in landscapes

Denis.francois@ifsttar.fr

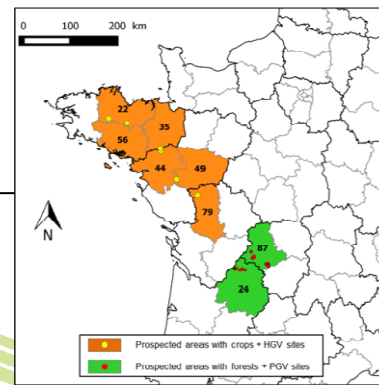


## Infrastructure verges as habitat and resource for wild bees and butterflies

Highway green verges



Power line green verges





# DYNARP - Invasion by Asian knotweed (*Fallopia spp.*) along linear landscape features: spatial dynamics and perspectives

[Andre.evette@irstea.fr](mailto:Andre.evette@irstea.fr)

**Objectives:**

- 1- Diachronical analysis and cartography of Asian knotweed dynamics**
- 2- Verges and rights-of-ways management solutions adopted in relationship with surrounding green networks**
- 3 - Perceptions by actors**

