



**Domaine :**  Actions publiques  Actions privées  Milieu agricole  
 Elargir nos connaissances  Prise de conscience

**Ma contribution concerne ...**  un projet en cours  un projet en construction  une idée de projet

## Description

### Pathogen monitoring/scanning in wild pollinators

*Document the prevalence of pathogens and emerging infectious diseases in wild pollinators in Luxembourg, as well as their potential correlation / spillover from managed pollinators.*

A red-tailed bumblebee queen (*Bombus lapidarius*) showing visible clinical symptoms associated with overt, acute Deformed Wing Virus infection was documented for the first time in Luxembourg in 2018. While wild pollinators are naturally exposed to native parasites and pathogens, strong exposure to non-native species can make them more vulnerable to this stressor, especially when combined with other pressures like poor nutrition, pesticides and other pollutants. Disease distribution and prevalence as possible drivers of population decline, as well as the potential for infectious pathogens to spillover from managed bees to the potentially large quantities of other pollinator species coming into contact with honey bee viruses, need to be addressed in Luxembourg.

## De quelle manière cette mesure aide-t-elle les insectes pollinisateurs ?

Documenting disease distribution and prevalence in wild pollinators, as well as identifying emerging infectious diseases, could help to timely put in place management measures related to the regulation of managed pollinator densities and the increase of floral resources to mitigate competition.

Target populations more prone to be impacted by other drivers of decline.

## Quel(s) acteur(s) pour la mise en place ?

- MECDD
- LIST
- Interested local stakeholders

## Je dispose déjà de ces moyens :

LIST has already experience with honeybee pathogens in Luxembourg.

## Ce qui manque / ce dont j'ai besoin :

Funding!

