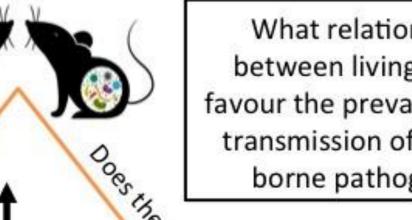
Rodent-borne pathogens in forest and urban green spaces from Belgium: preliminary results

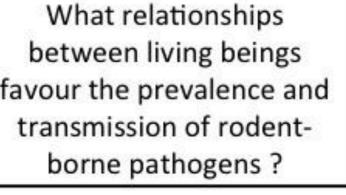
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Aims

The BiodivERsA project Managing biodiversity in forests and urban green spaces: dilution and amplification effects on rodent microbiomes and rodent-borne diseases (BioRodDis), aims to elucidate the interlinkages between rodent biodiversity, their (Belgium, France, Germany, Ireland and Poland). Here we present









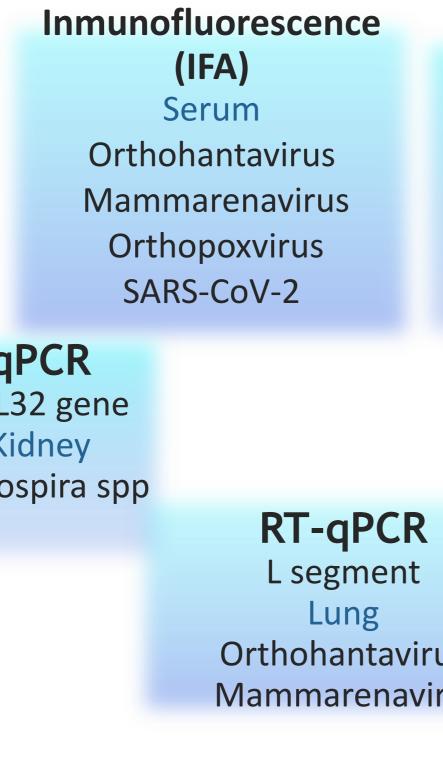


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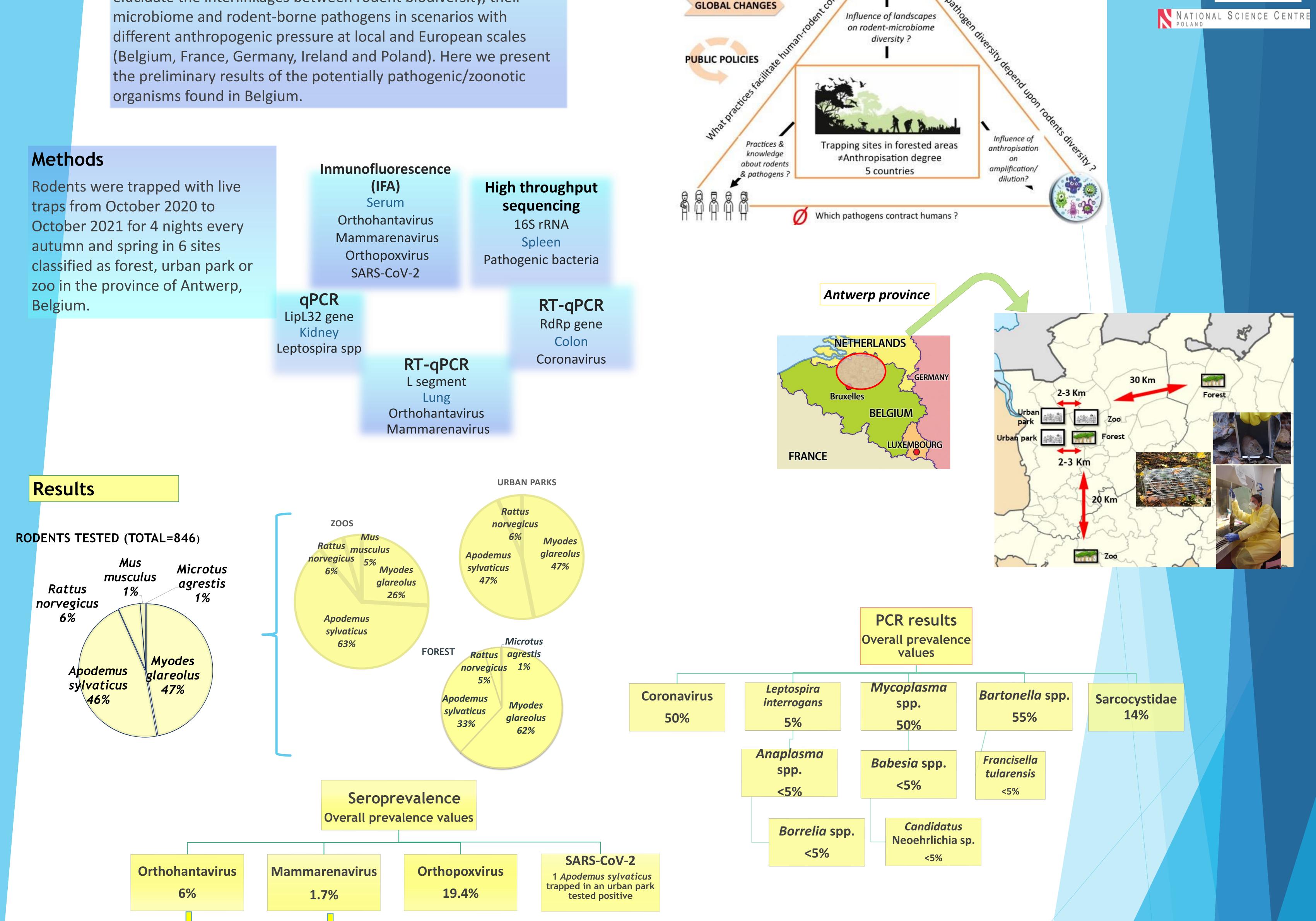


Rodents were trapped with live traps from October 2020 to October 2021 for 4 nights every autumn and spring in 6 sites classified as forest, urban park or **zoo** in the province of Antwerp,



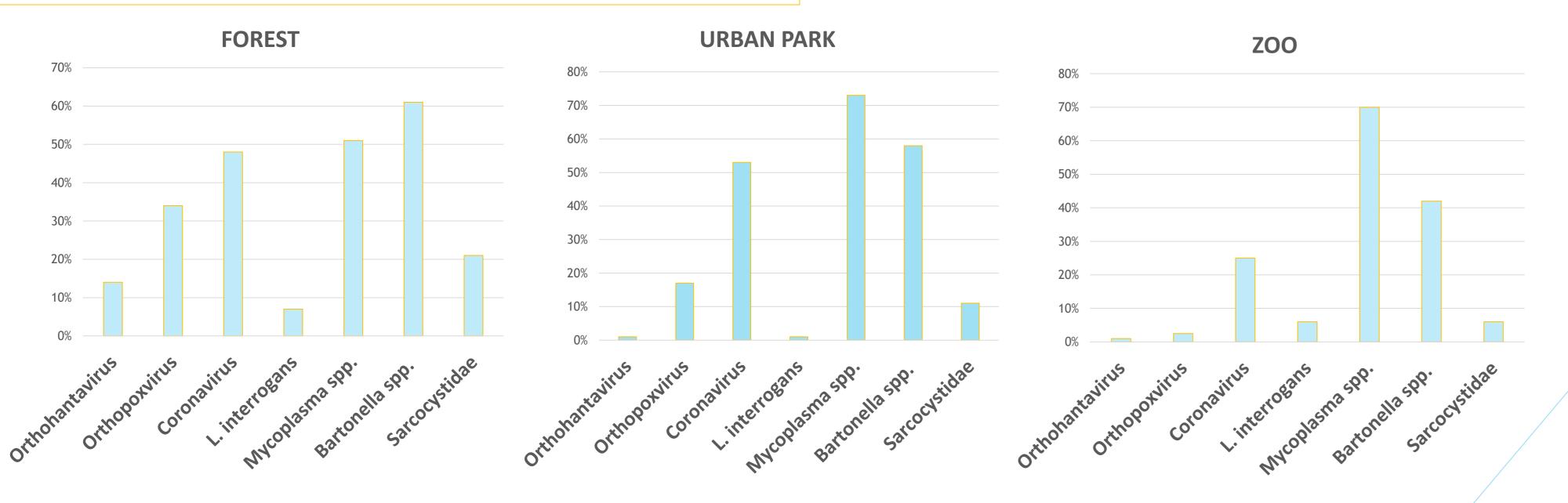
High throughput sequencing 16S rRNA Spleen

Colon





Pathogen prevalence (overall prevalence >5%) vs Habitat



Conclusion

These findings remind us of the major role of rodents as reservoirs of pathogens of public health and veterinary importance. These preliminary results suggest a differential trend in the composition of the rodent species according to the habitat. In addition, the rodent-born organisms with zoonotic potential detected showed an apparently differential distribution according to the habitat that deserves further analyses. These data, in addition with the results to be obtained soon from the rodents trapped in spring 2022, will allow us to perform multivariate analyses to advance our understanding of the dynamics of rodentborne diseases, the relationships between rodent diversity and habitats and zoonotic diseases dynamics and emergence.