# TOWARDS A BETTER UNDERSTANDING OF HUMAN-WILDLIFE INTERACTIONS IN BELGIAN NATIONAL PARKS

THE POTENTIAL OF SOCIAL MEDIA & MOBILE PHONE DATA COMBINED WITH CAMERA TRAPS



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# ChatGPT

#### THE IMPORTANCE OF RECREATION MONTORING

#### CHALLENGES FOR NATIONAL PARKS

PROTECTED

### THE IMPORTANCE OF WILDLIFE MONTORING



1970 1990 2010 2030 2050

Image source: WWF.be

### THE IMPORTANCE OF WILDLIFE MONTORING

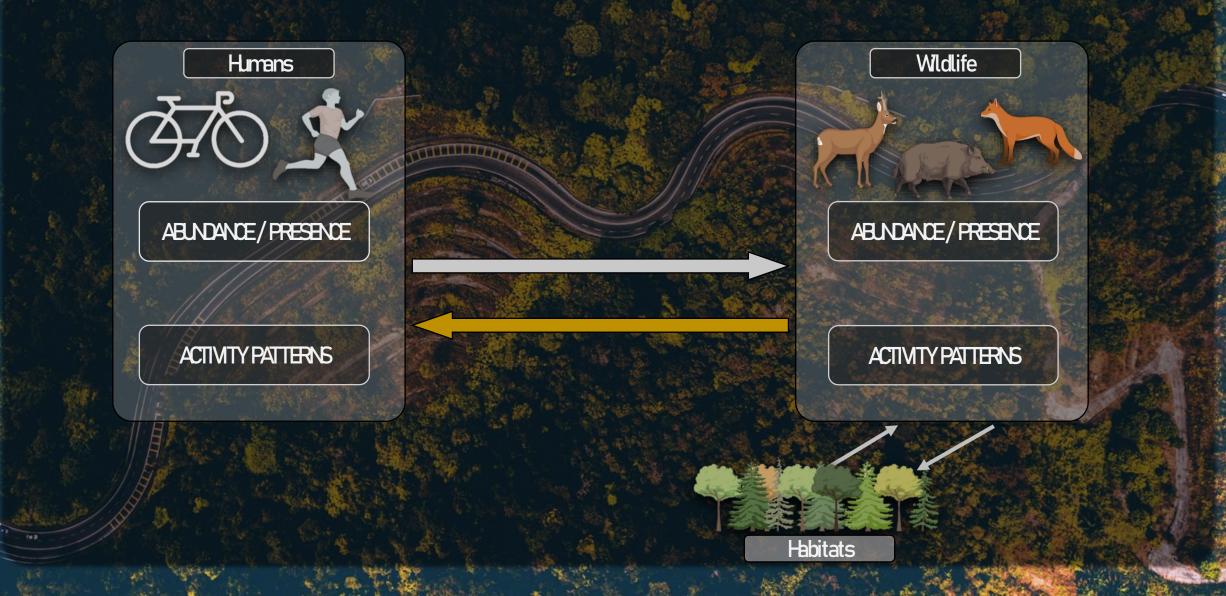








#### UNDERSTANDING HUMAN-WILDLIFE INTERACTIONS

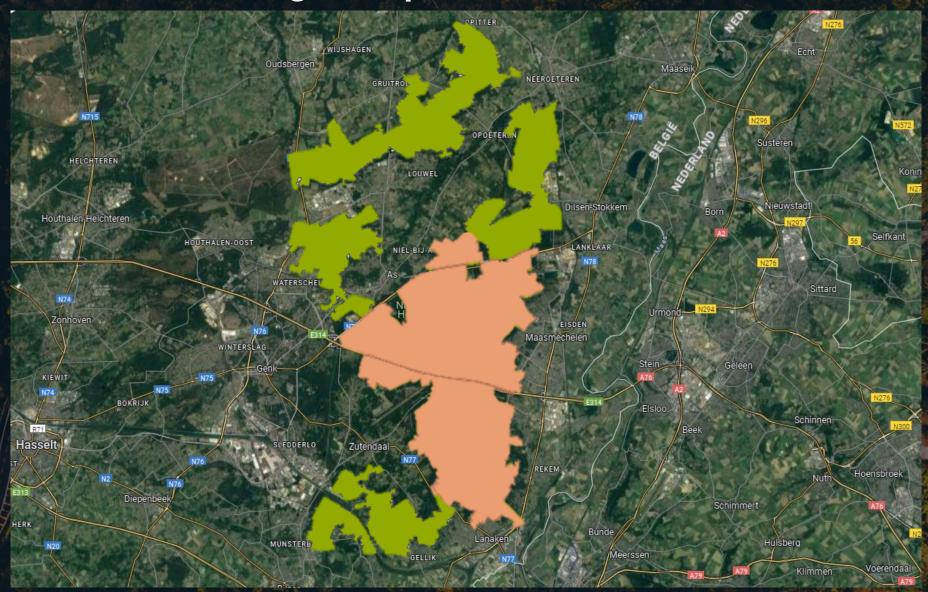


## UNDERSTANDING HUMAN-WILDLIFE INTERACTIONS IN CONTRASTED PROTECTED AREAS

HOGE KEMPEN (12,000 ha)

BNIRE-SAMBRE-ET-MELSE(22,129 ha)

## Hoge Kempen National Park

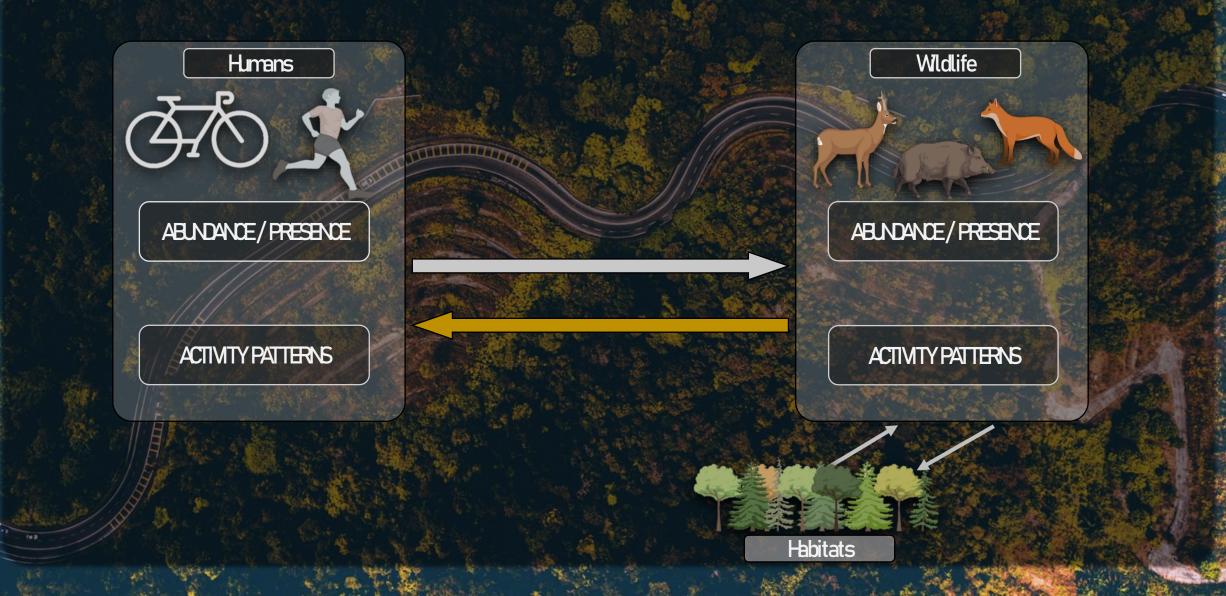


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#### Entre-Sambre-et-Meuse National Park



#### UNDERSTANDING HUMAN-WILDLIFE INTERACTIONS





- Social media data





ABUNDANCE/PRESENCE

- Social media data

- Mobile phone data



ACTIVITY PATTERNS



ABUNDANCE/PRESENCE

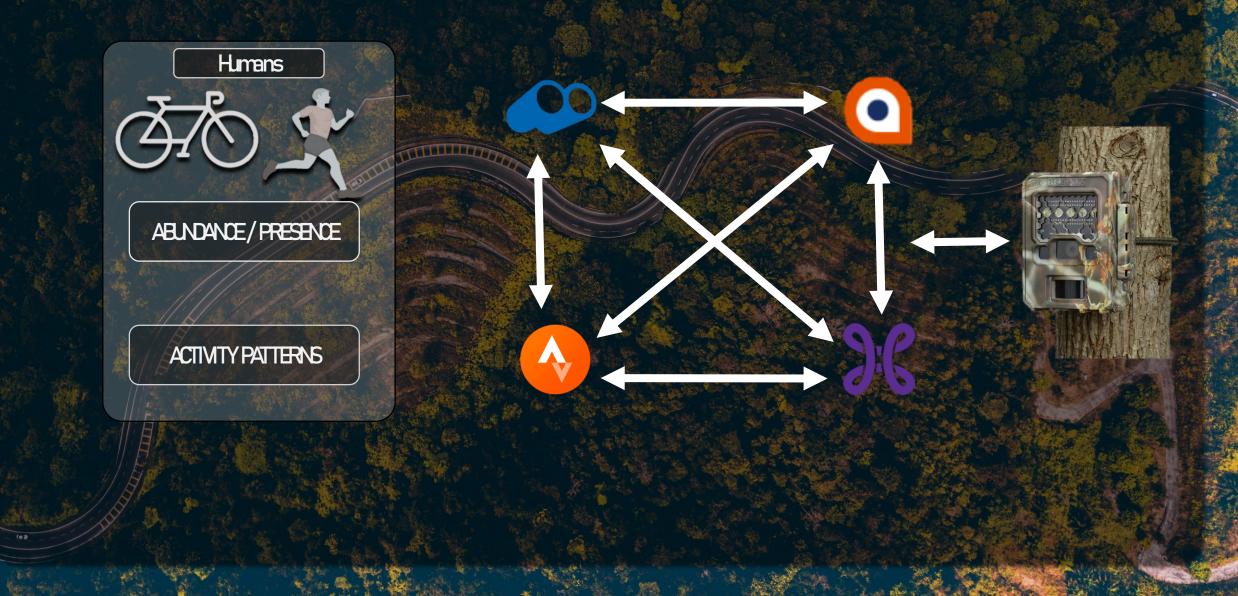
- Social media data

- Mobile phone data

ACTIVITY PATTERNS

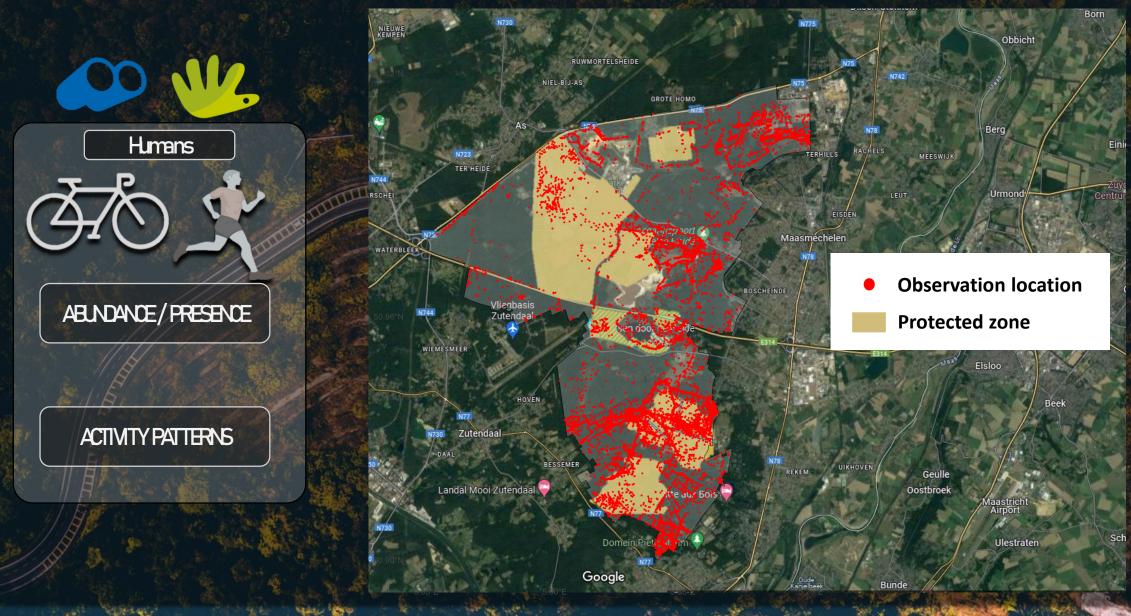
- Visitor counters





### LOCATIONS OBSERVATIONS BE 2022

a marker and

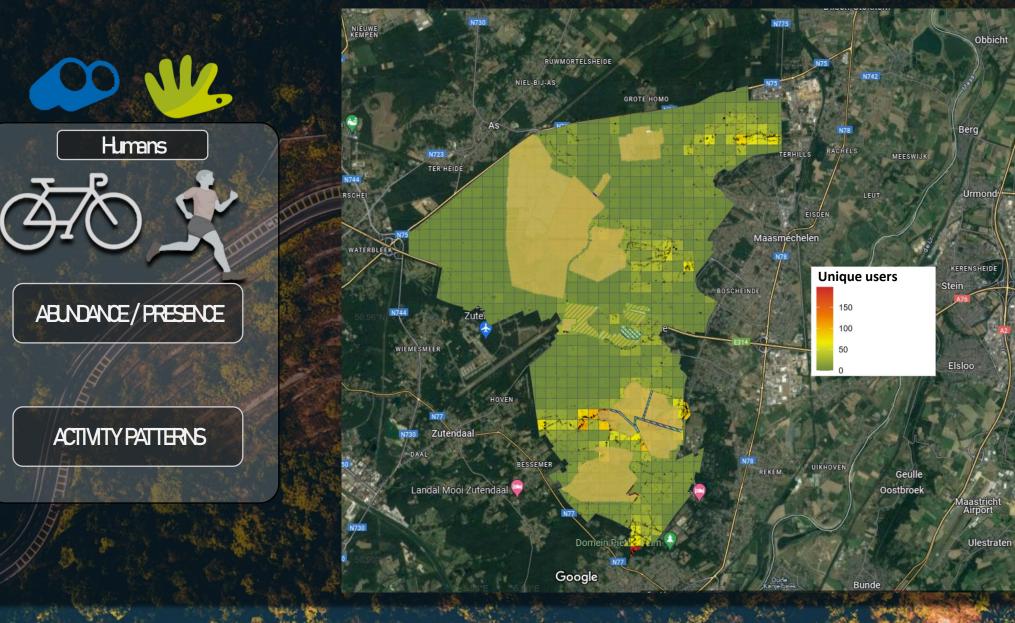


#### UNQUE USERS PER GRID CELL OBSERVATIONS BE 2022

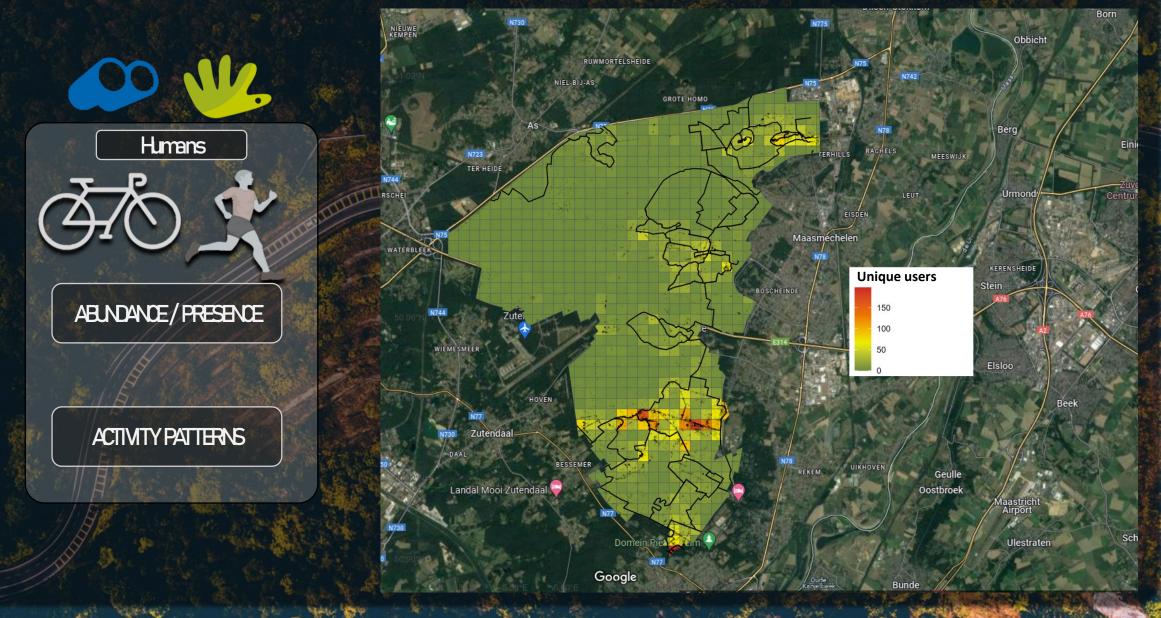
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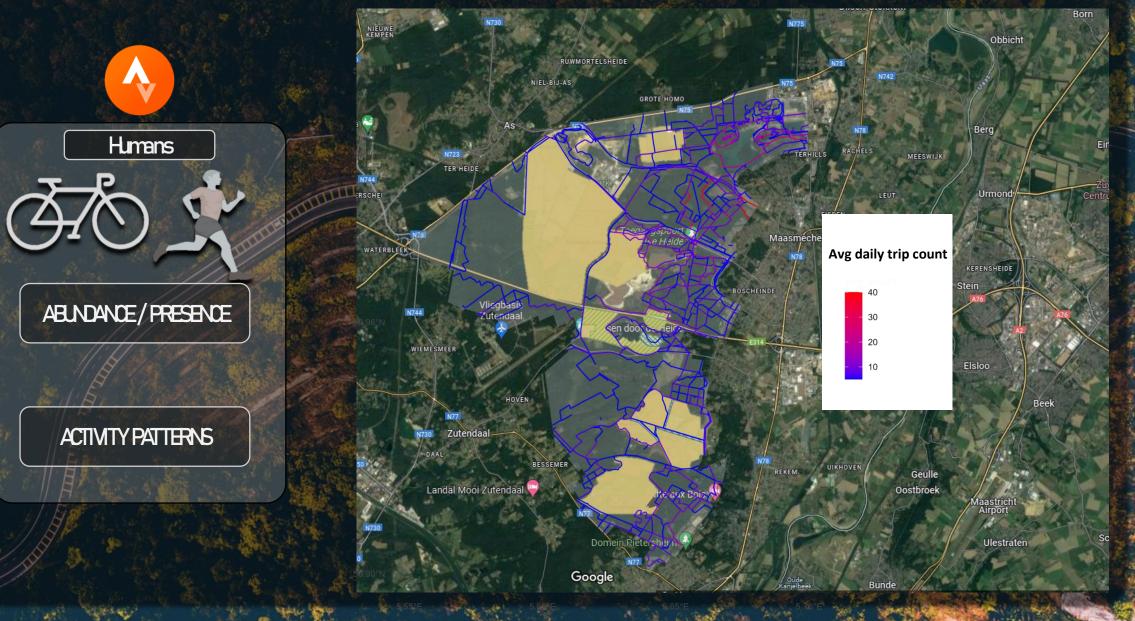
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#### UNQUE USERS PER GRID CELL OBSERVATIONS BE 2022



#### STRAVA AVERAGE DALLY TRIP COUNT ALGUST 2022



## MARKED HKING TRAILS VS STRAVA HKING/RUNNG DATA ALGUST 2022

#### 2 ASSESSING THE SPATIOTEMPORAL USE OF WILDLIFE, INCLUDING THEIR ECOLOGICAL HABITAT CHARACTERISTICS

- 40 Camera Traps NPHK

- 40 Camera Traps NPESEM



Habitats

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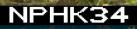


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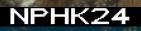


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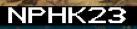
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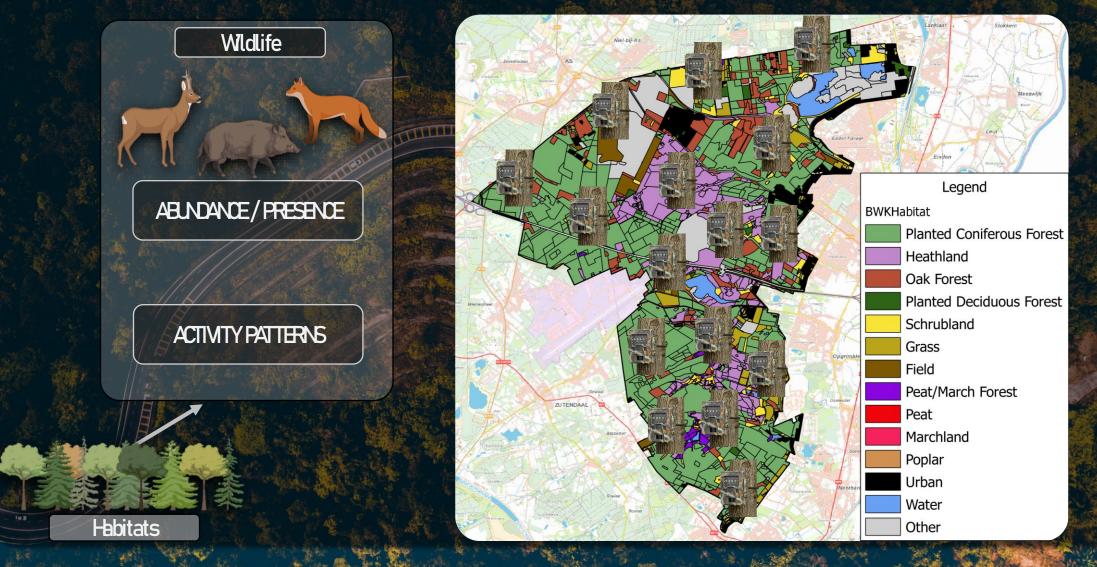


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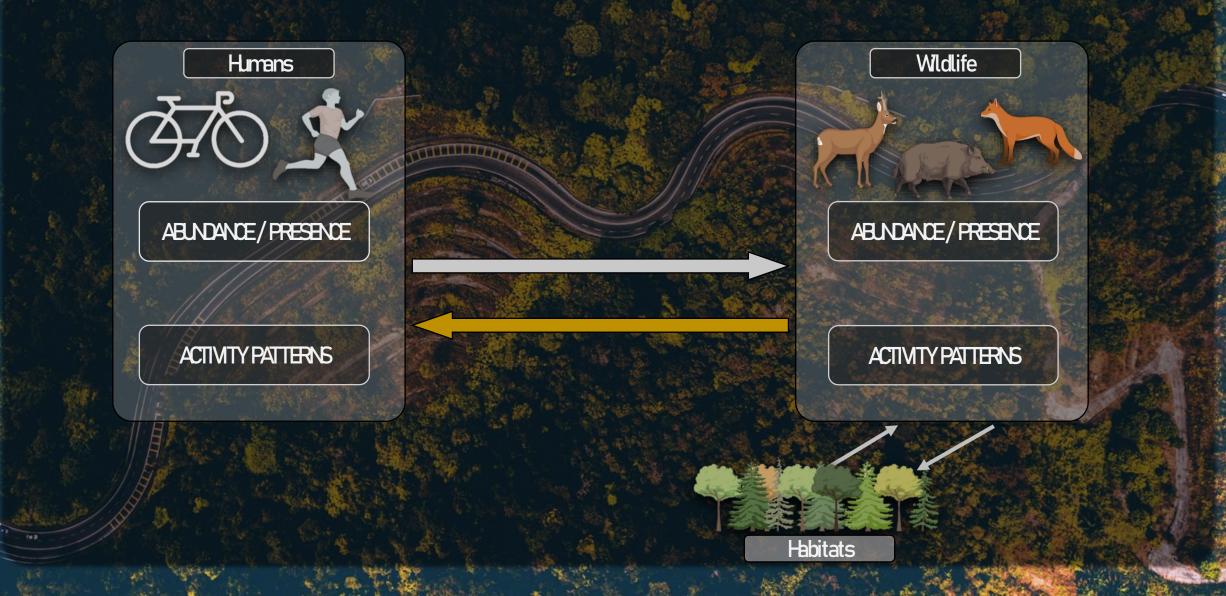
0 25°C



#### 2. ASSESSING THE SPATIOTEMPORAL USE OF WILDLIFF, INCLUDING THEIR ECOLOGICAL HABITAT CHARACTERISTICS



#### UNDERSTANDING HUMAN-WILDLIFE INTERACTIONS

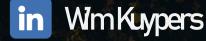


## TOWARDS A BETTER UNDERSTANDING OF HUMAN-WLDLIFE INTERACTIONS IN BELGIAN NATIONAL PARKS

#### THE POTENTIAL OF SOCIAL MEDIA & MOBILE PHONE DATA AND CAMERA TRAPS

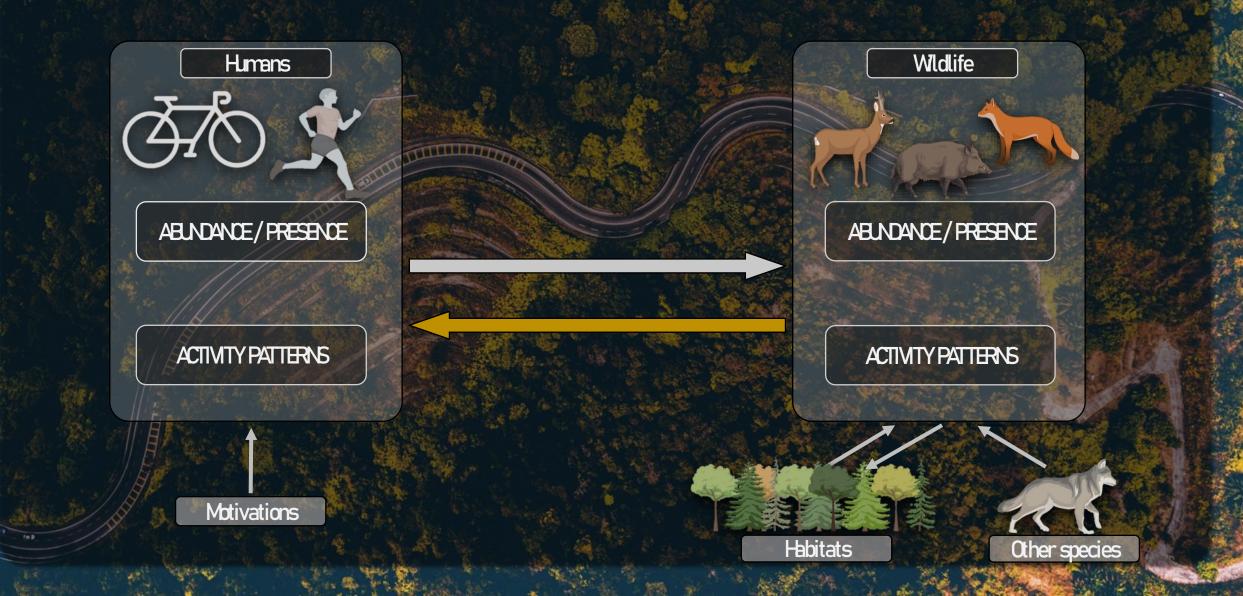
CONTACT: wimkuypers@uhasselt.be



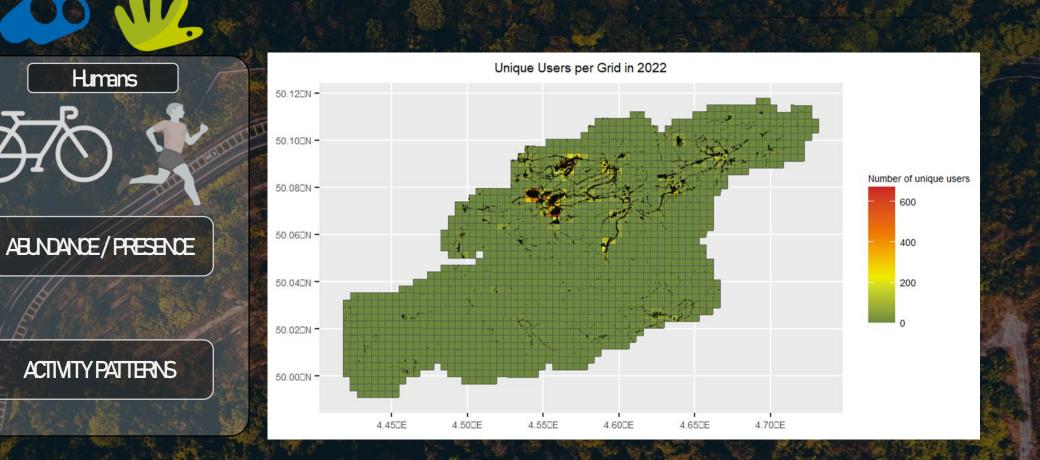




#### UNDERSTANDING HUMAN-WILDLIFE INTERACTIONS

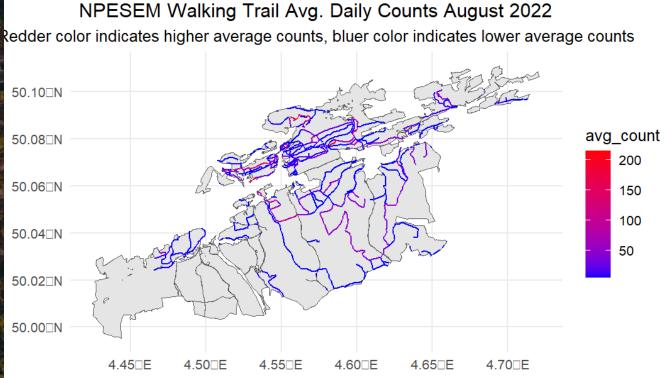


#### SOCIAL MEDIA DATA - OBSERVATIONS



#### SOCIAL MEDIA DATA - STRAVA METRO





#### SOCIAL MEDIA DATA - STRAVA METRO

