Diagnosing, Modelling and Solving Interspecies Cohabitation Issues: Anatomy of the Shared Semiosphere

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Diagnosing, Modelling and Solving Interspecies Cohabitation Issues

- The Shared Semiosphere
  - Semiosphere or Ecosemiosphere?
  - Shared and Interconnected Umwelt
- What is an Interspecies Cohabitation Issues
  - Where problems can appear
  - Scale of criticality
- How to Make a Relevant Diagnostic
  - Basic diagnosis
  - Advanced diagnosis
- Different Ways of Modellings
  - Application model
  - Research model
- How and Why to Solve Interspecies Cohabitation Issues
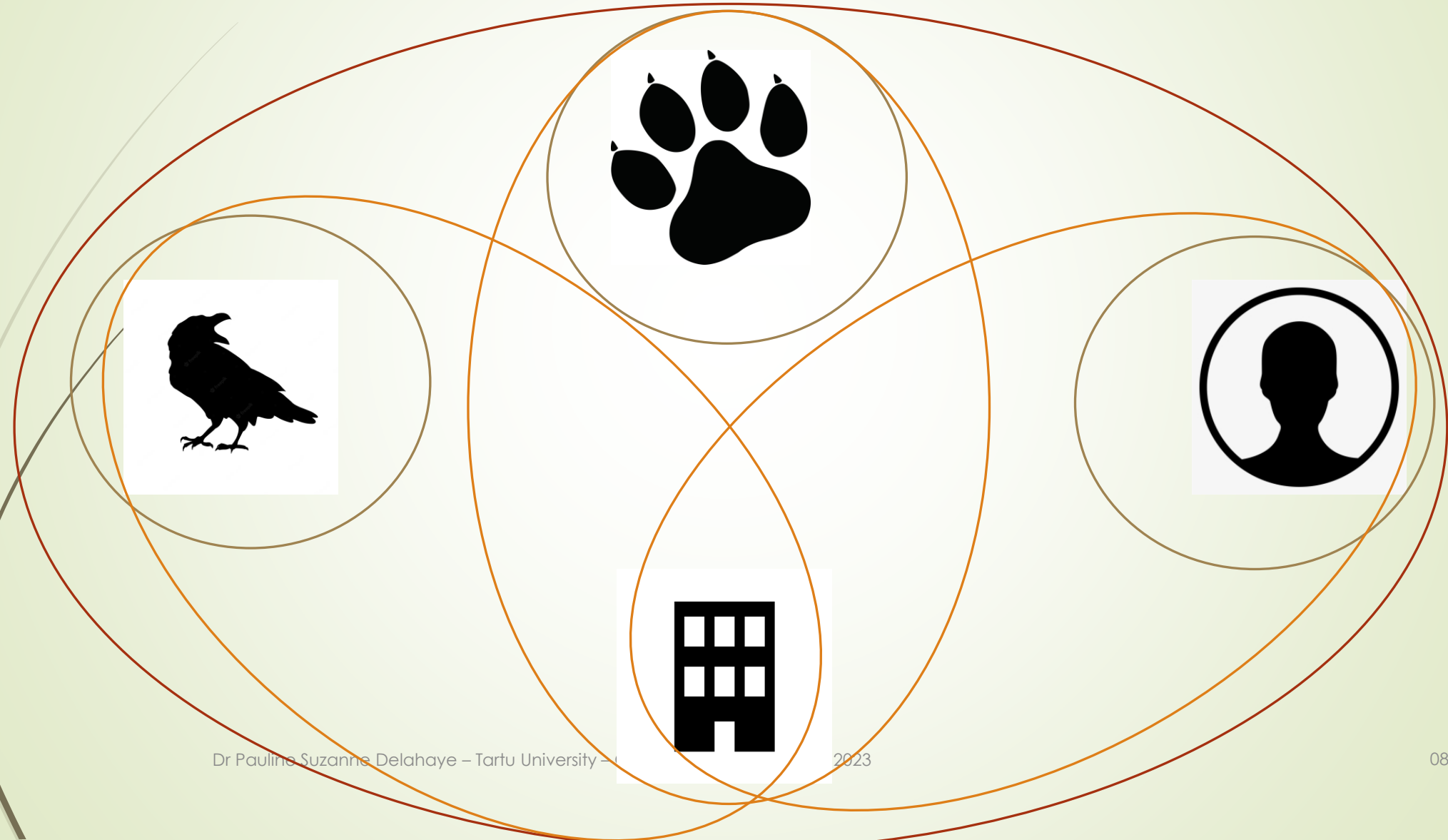 - What we can do
  - Why we should care

The Shared Semiosphere Semiosphere or Ecosemiosphere?

- Semiosphere definition: "a sphere just like the atmosphere, the hydrosphere and the biosphere", incorporating all kinds of "signs of life" (Hoffmeyer1997)
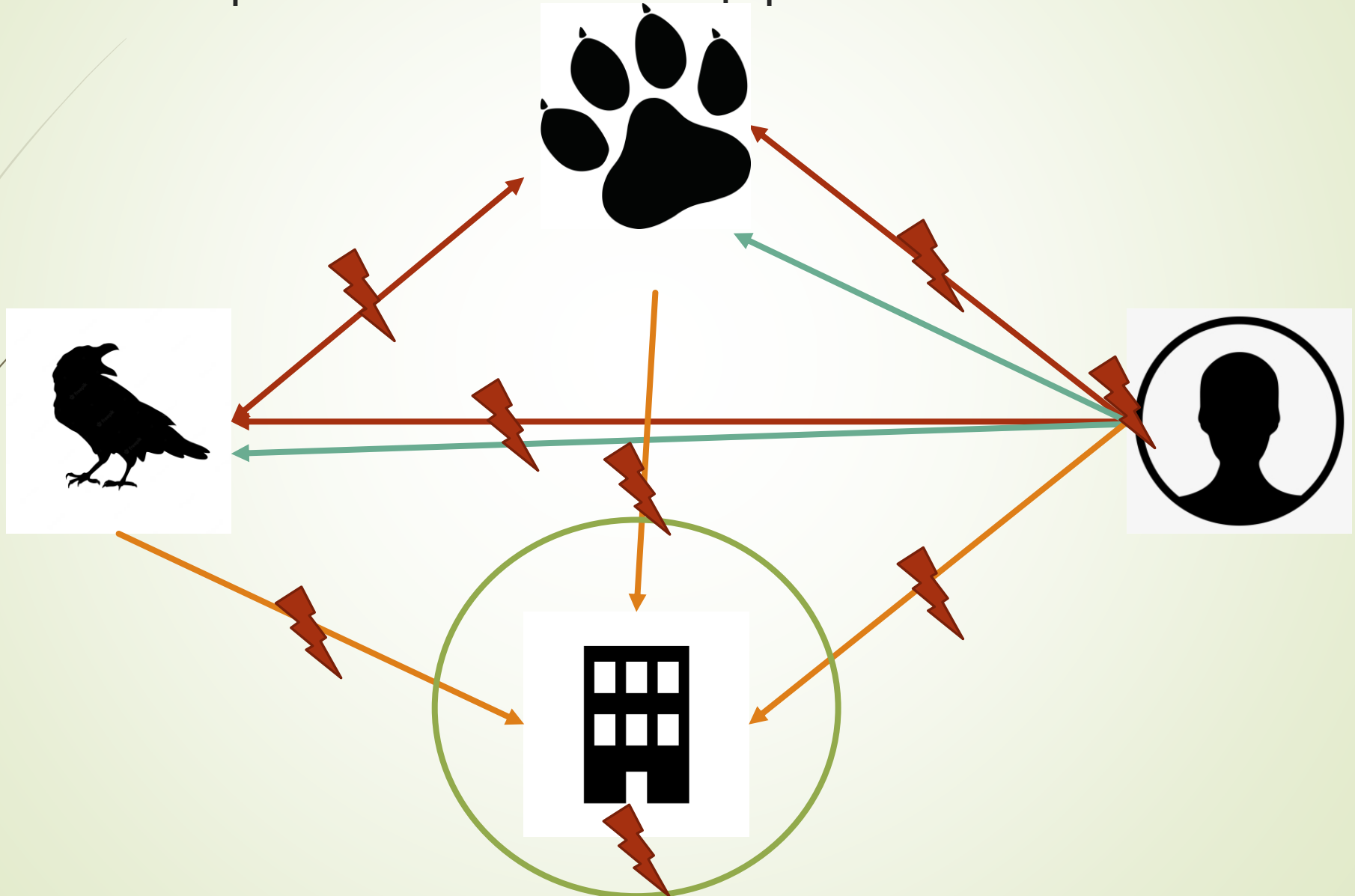
- Semiosphere or ecosemiosphere (Maran 2021)?

The Shared Semiosphere
Shared and Interconnected Umwelt

What is an Interspecies Cohabitation Issues
Where problems can appear

What is an Interspecies Cohabitation Issues Scale of criticality

For humans

- Immediate and/or important danger for:
  - Food autonomy
  - Health (physical or mental)
  - Income source and decent place of living
- Vulnerable populations:
  - Speakers of endangered languages
  - Ethnic or cultural minorities, discrimination victims
  - Inhabitants of areas of conflicts or natural disasters

For other species

- Endangered species

- Endemic species

- Especially sentient species

- Keystones of the ecosystem

How to Make a Relevant Diagnostic Basic diagnosis

Biodiversity data

Existing studies – Urbanism experimentations

Citizen science data

Existing programs reports

Textual data

First-hand expressions – Academic studies of textual data

How to Make a Relevant Diagnostic Advanced diagnosis

Biodiversity data

Existing studies – Urbanism experimentations

Field observations

Citizen science data

Existing programs reports
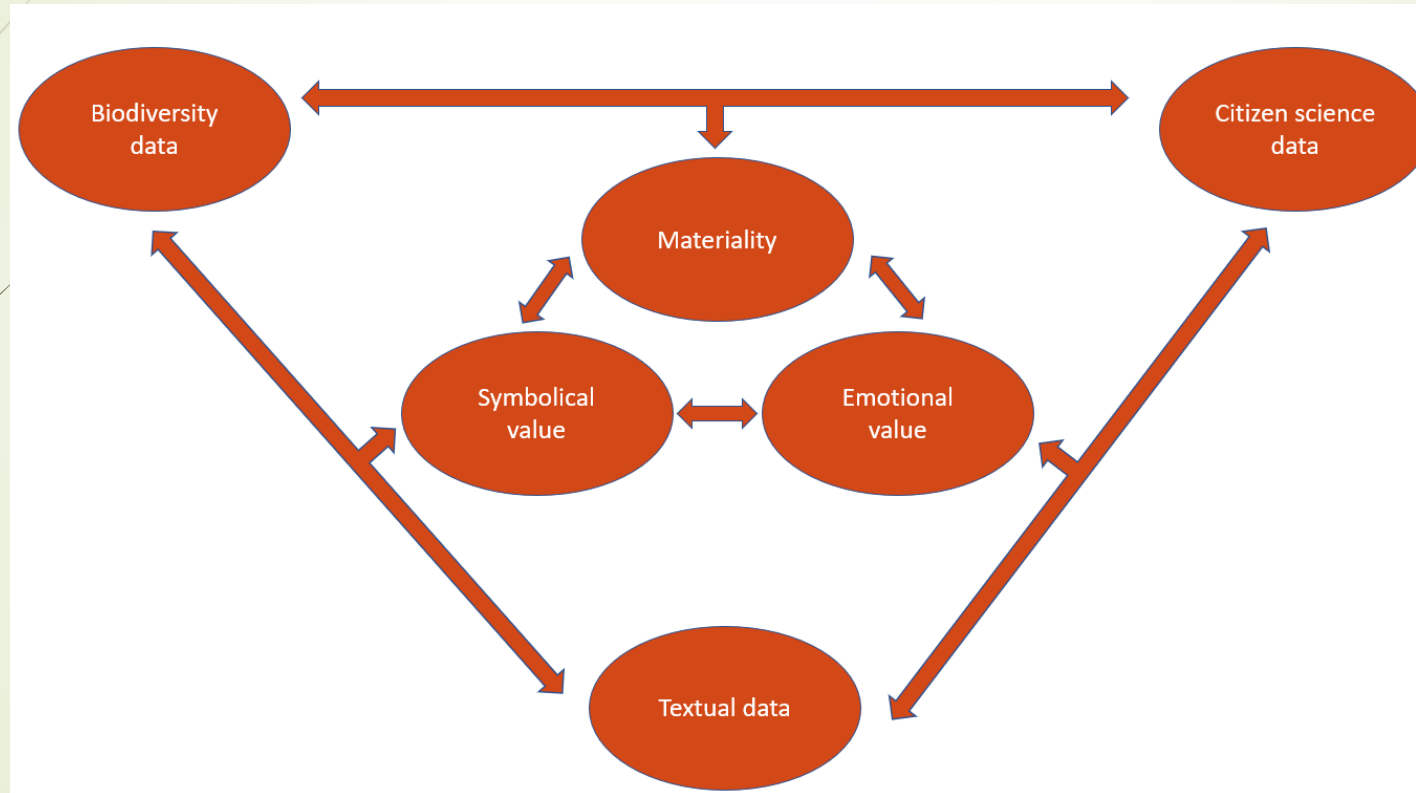
Metacognition study

Textual data

First-hand expressions – Academic studies of textual data
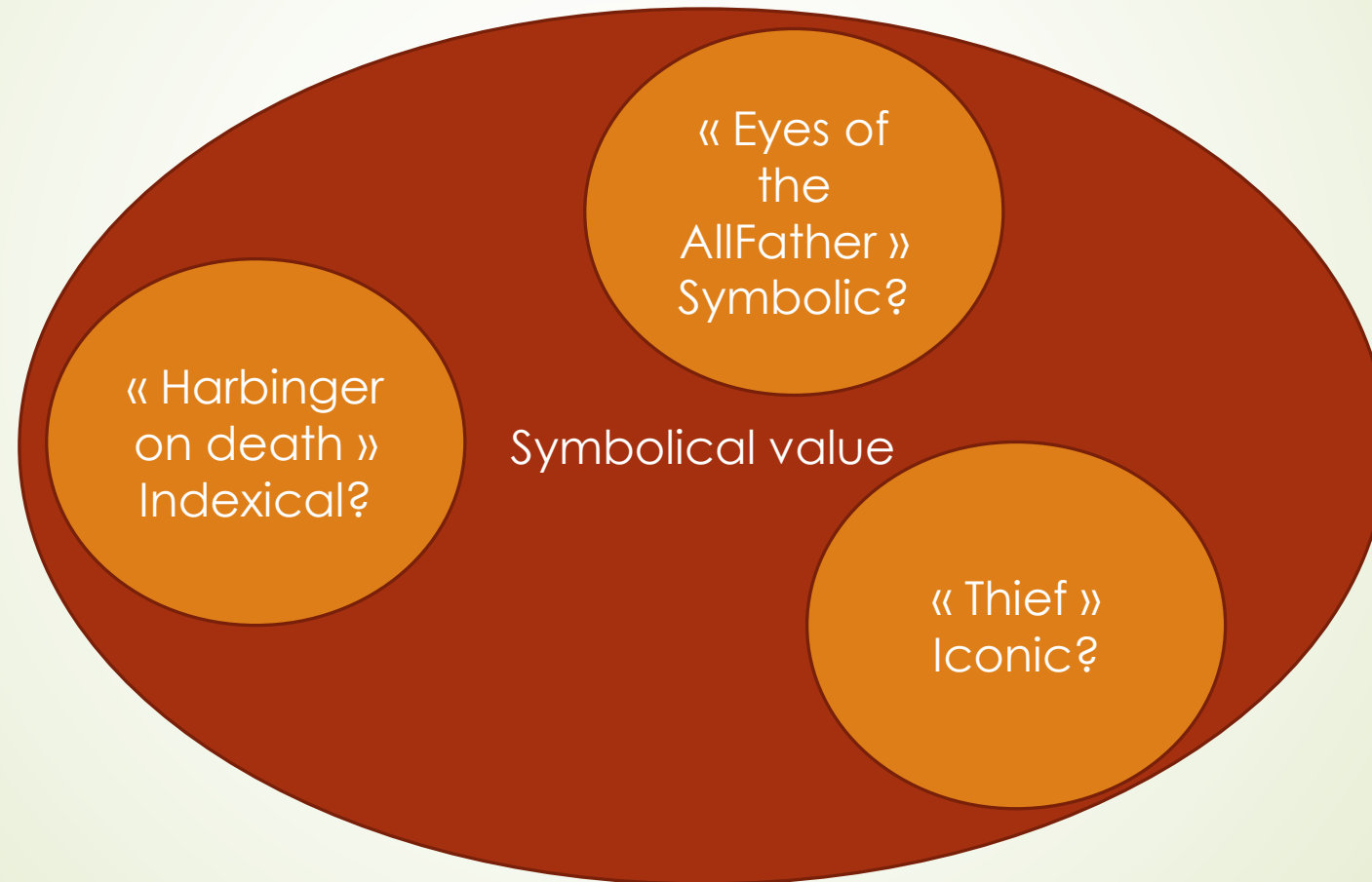
Survey – Targeted interviews
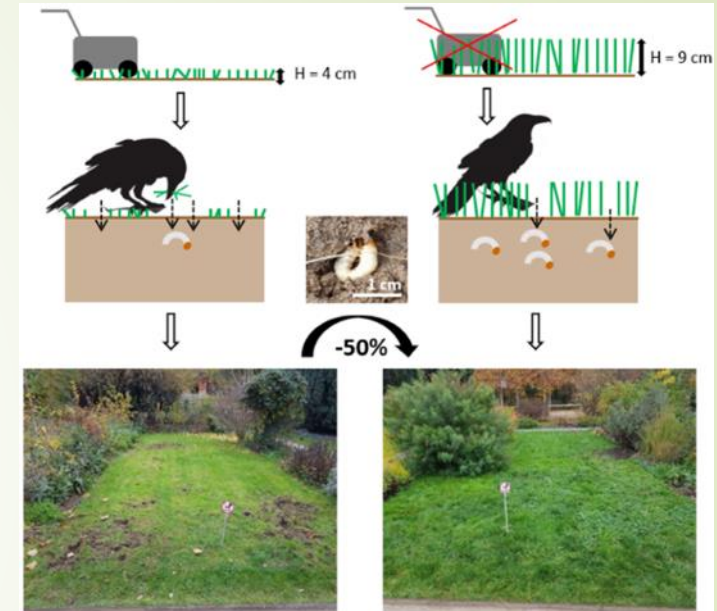
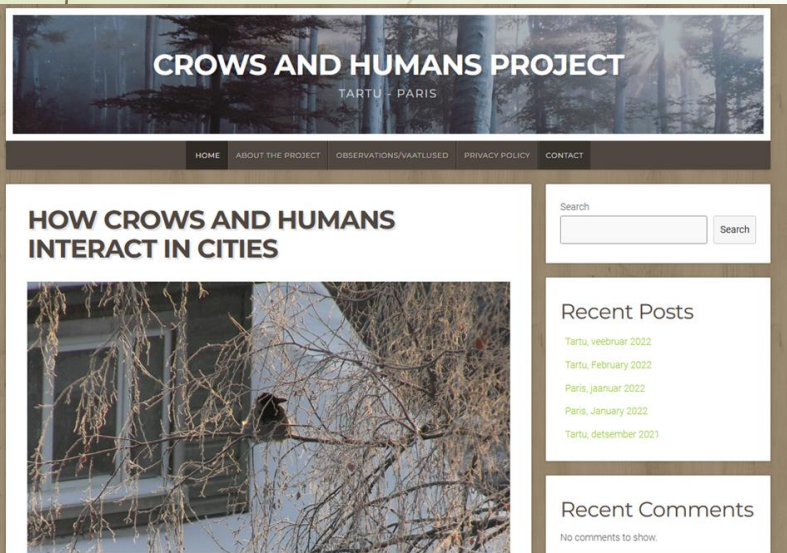# Different Ways of Modellings Application model

Delahaye, P. 2023. «A Methodology for the Study of Interspecific Cohabitation Issues in the City ». *Biosemiotics*.

Different Ways of Modellings Research model

« Eyes of the AllFather » Symbolic?

« Harbinger on death » Indexical?

Symbolical value

« Thief » Iconic?

How and Why to Solve Interspecies Cohabitation Issues
What we can do

How and Why to Solve Interspecies Cohabitation Issues
Why we should care

For animals

- Biodiversity drop
- Dysregulated behaviours
- Food/territory deprivation
- Injuries, pain
- Stress, emotional suffering
- Pathological behaviours

For humans

- Stress, insecurity feeling
- Injuries, diseases
- Loss of food/economic autonomy
- Lack of comfort/human development
- Inter-humans conflicts
- Long-term consequences related to drop of biodiversity

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Thank you all for your attention!

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- To visit the website of the project:

  - www.crows.ut.ee