

**Welcome in AgroParisTech & INMC meeting !**

**Please, turn off your microphone during the  
presentation.**

Waiting to start the meeting...

# Relationship between Nature and City: Cross-cultural perspectives in five INMC cities

**International Flash Survey**

**Thursday 27th of May**



**MASTÈRE SPÉCIALISÉ** Action publique pour le  
développement des territoires et de l'agriculture (ACTERRA)  
Promotion 2020/2021



# AGENDA

Introduction

Method

Cities presentation

Comparative analysis

Conclusion and perspectives

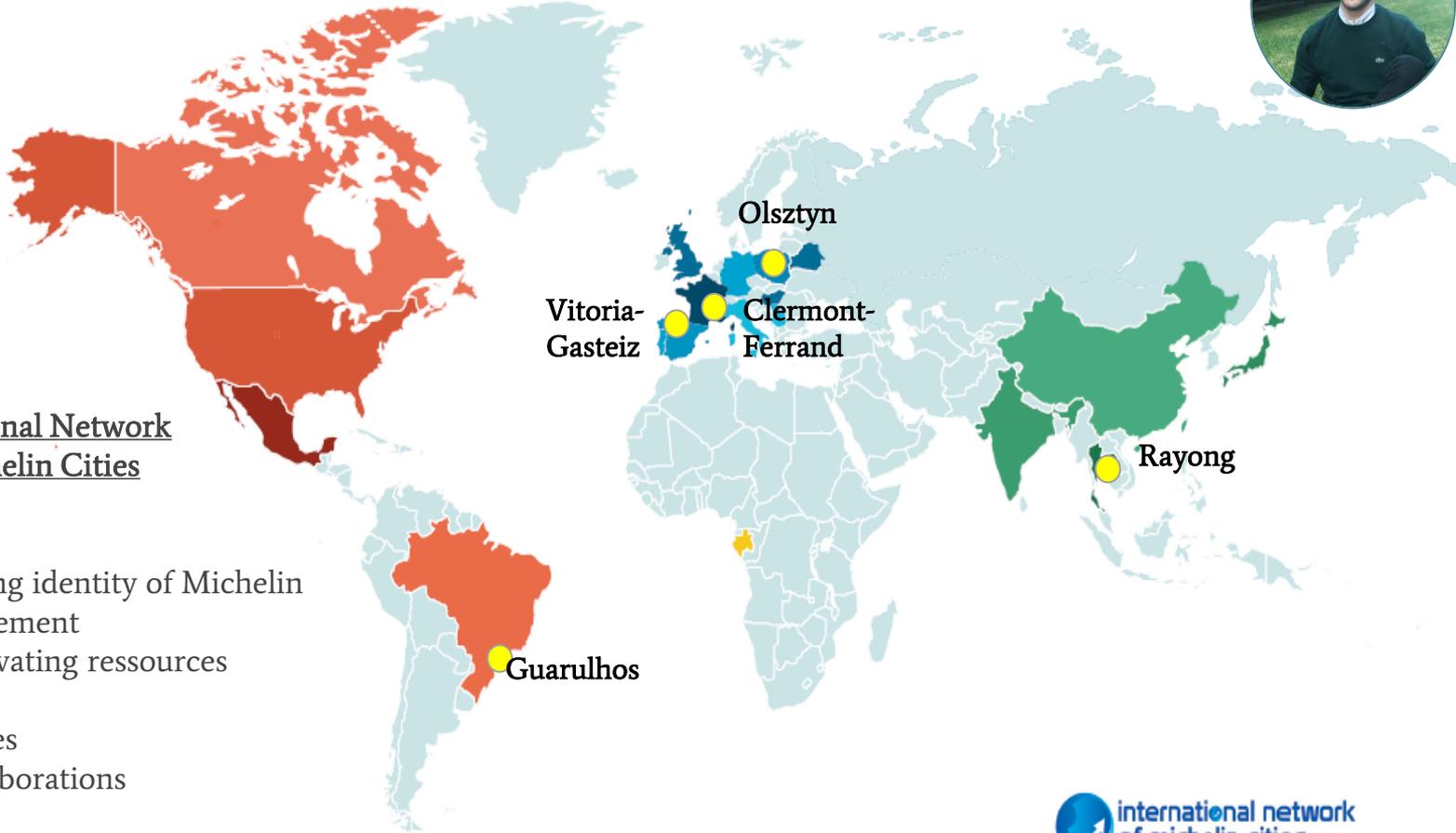


# Introduction



## International Network of Michelin Cities

- Since 2014
- Based on a sharing identity of Michelin manufacture basement
- Inspiring & innovating ressources
- Data exchanges
- 30 differents cities
- Meetings & collaborations



# Introduction

The order

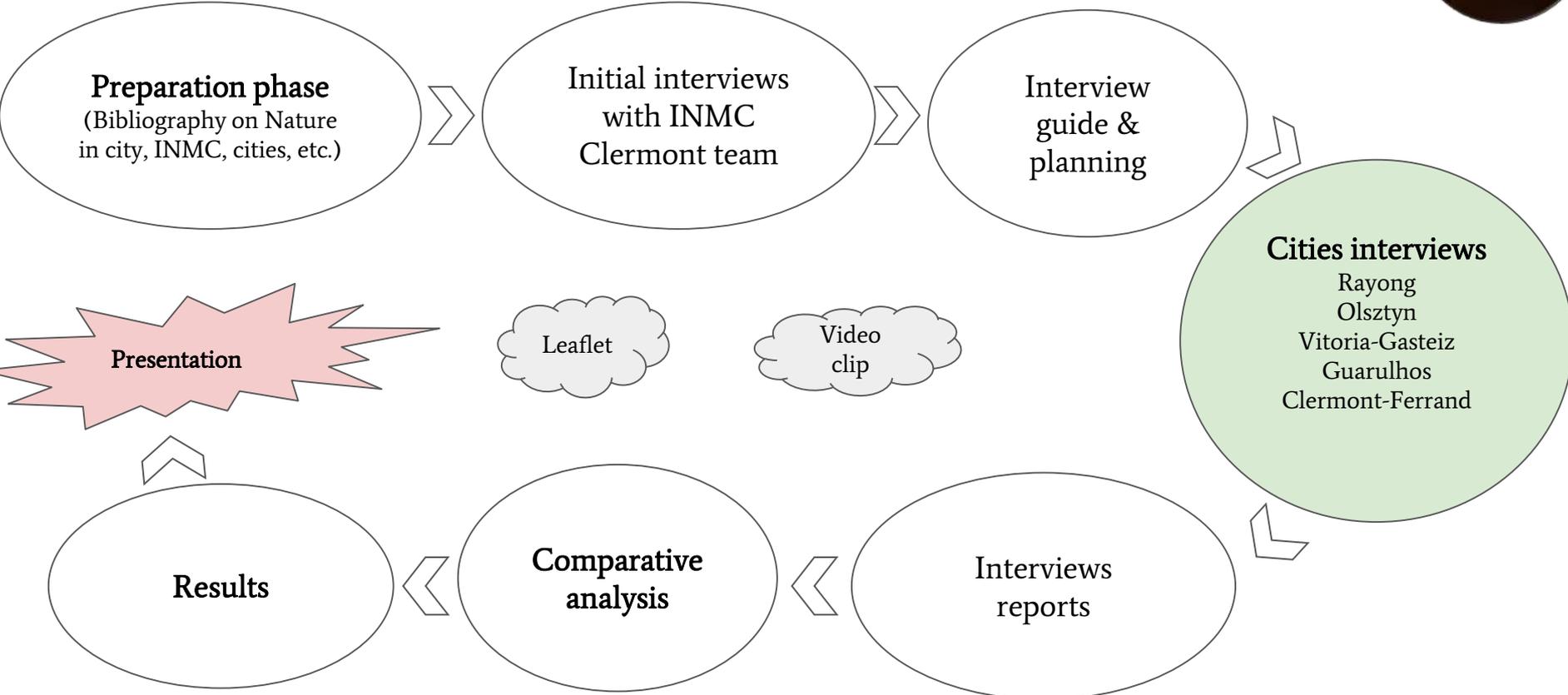


# Method



Pedagogic support : Sylvie LARDON, Alexandre GORSE, Vanessa ICERI, Merveille TAWAB & Luciano COPELLO

# Method



# Method

## Working Question

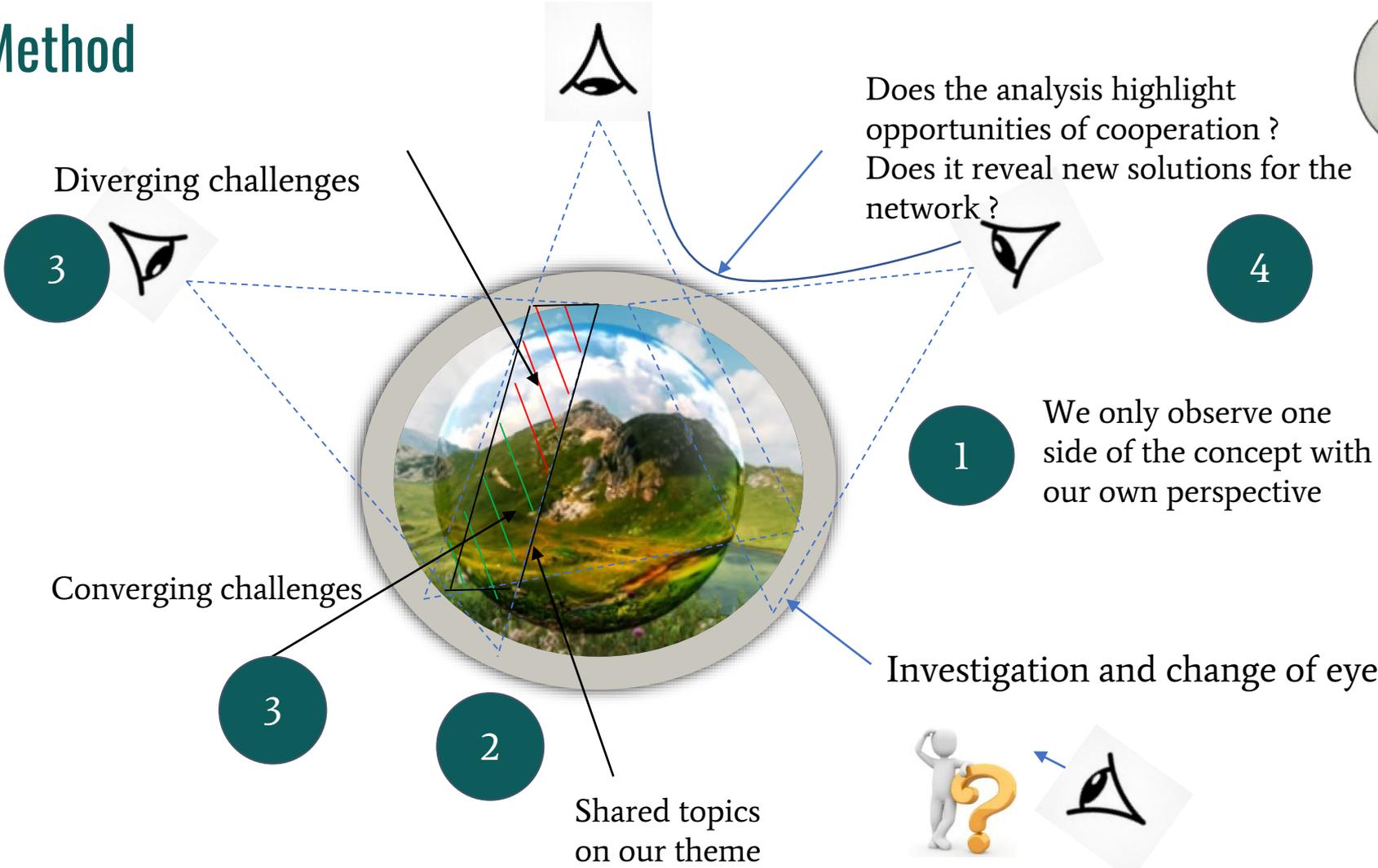


How do cities integrate nature to their strategy, and how do they forge links with their territory?

How is INMC a lever for collaboration between its members and the valorisation of initiatives promoting nature and human activities synergies?

Relationship between cities and nature: comparative analysis of five cities members of the INMC, Proposing methods for transversal actions

# Method



# Cities presentation



## Rayong - THAILAND

- ❖ Population: 64 256 inhabitants
- ❖ Size: 16,95 km<sup>2</sup>
- ❖ Main projects including nature: Mangrove management and restoration, water quality improvement, eco-tourism development, plastic waste reduction



# Cities presentation

## Clermont-Ferrand - FRANCE

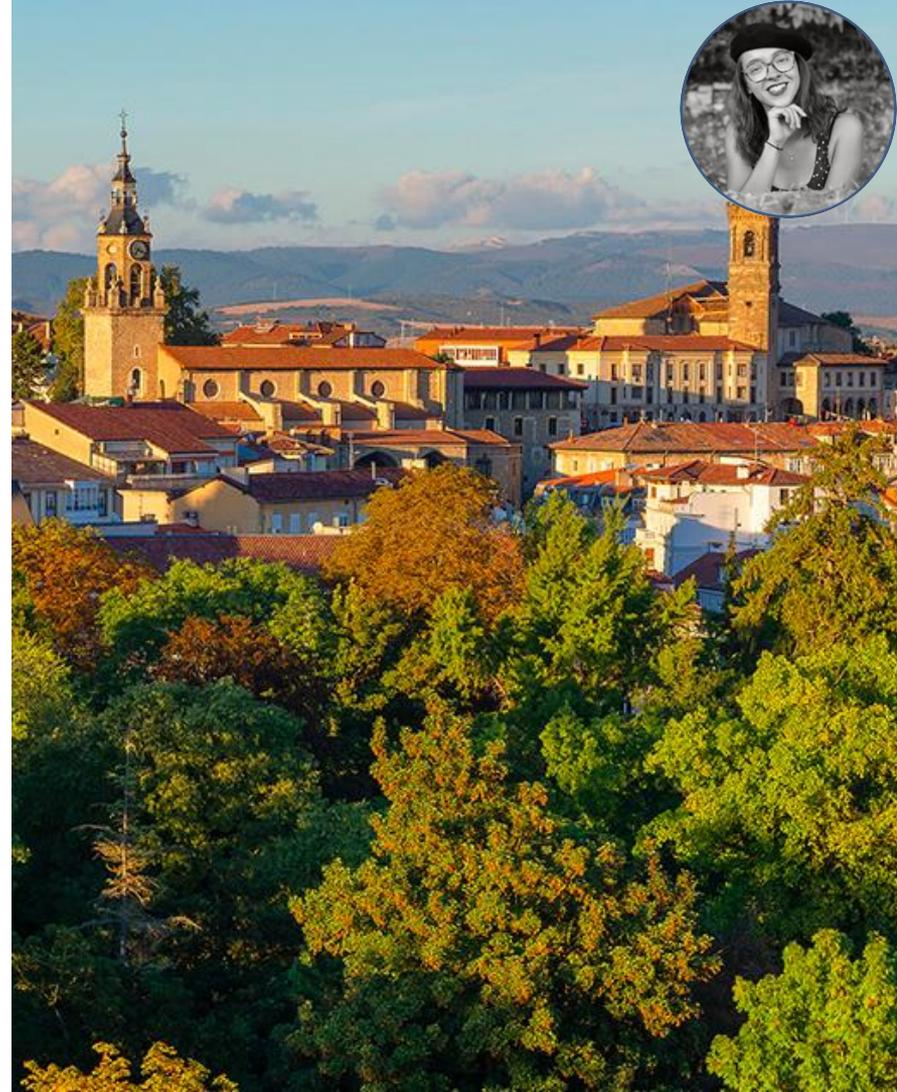
- ❖ An industrial and university city located in a rural region in the center of France and included into a metropolis
- ❖ Around 300 000 inhabitants
- ❖ Head office of Michelin company
- ❖ Main projects including nature:
  - Ecological and energy transition plan (STEE)
  - Alternative mobility
  - Waste management, water management
  - Environmental education
  - Citizen involvement (ex : “Here we plant seeds)



# Cities presentation

## Vitoria-Gasteiz - SPAIN

- ❖ Population: 250 996 inhabitants
- ❖ Size: 277 km<sup>2</sup>
- ❖ Main projects including nature:
  - The green belt
  - The agri-food strategy
  - Sustainable Mobility and Public Space Plan
  - Basaldea project
  - Global training project



# Cities presentation



## Olsztyn - POLAND

- ❖ Population: 175 000 inhabitants
- ❖ Size: 87,9 km<sup>2</sup>
- ❖ Main projects including nature: Tramway layout; parks, forest and lakes facilities; Backyard designing by citizens



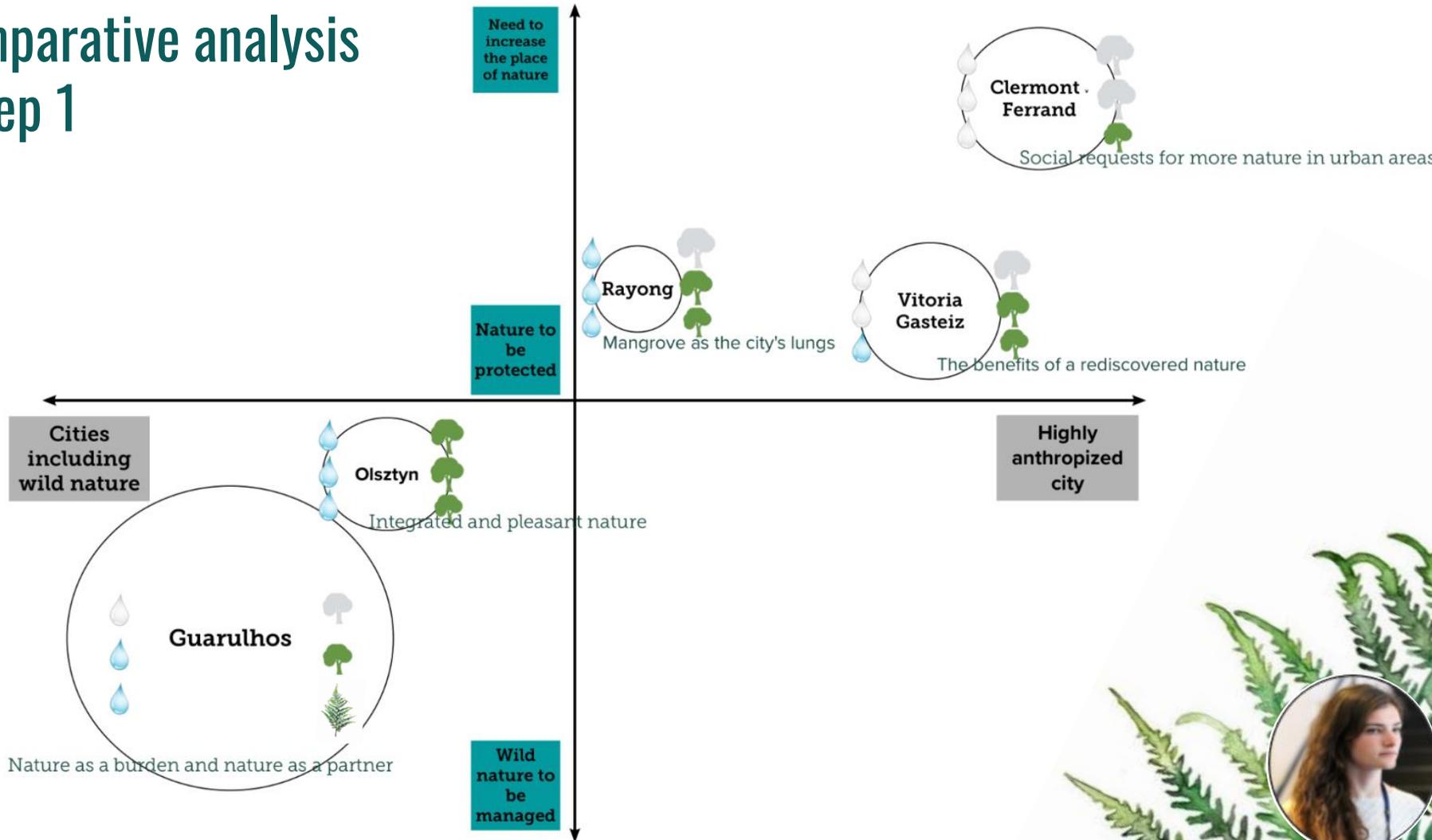
# Cities presentation

## Guarulhos - BRAZIL

- ❖ Population : 1 160 500 inhabitants
- ❖ Size : 318 km<sup>2</sup>
- ❖ A city located in the Great Sao Paulo and natural areas (30% of territory)
- ❖ Main projects including nature :
  - Tietê river rehabilitation
  - Development of urban agriculture
  - Development of medicinals gardens by local health centers (UBS)

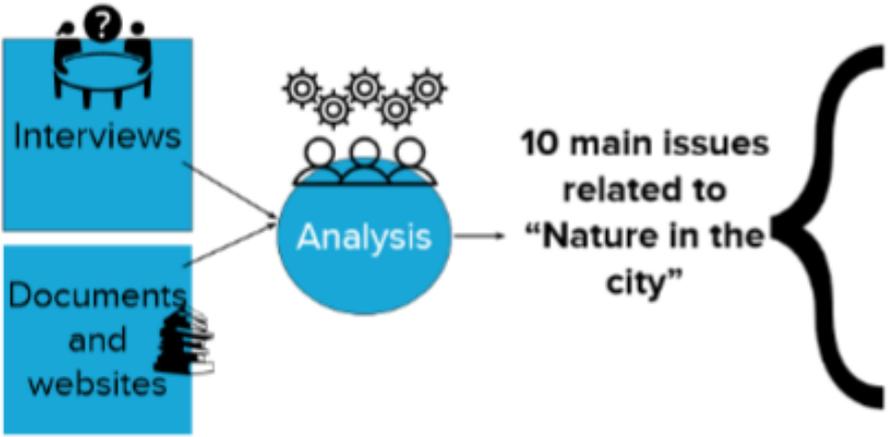


# Comparative analysis - Step 1



# Comparative analysis

## - Step 2



People's well being  
Mobility impact  
Environmental education  
Biodiversity protection  
Urban spread management

**All cities face the issue and share similar challenges**

Eco-tourism development  
Agriculture and food security  
Water management

**Most cities face the issue but have different challenges**

Waste management  
Citizen participation

**The challenge is very different from one city to another**

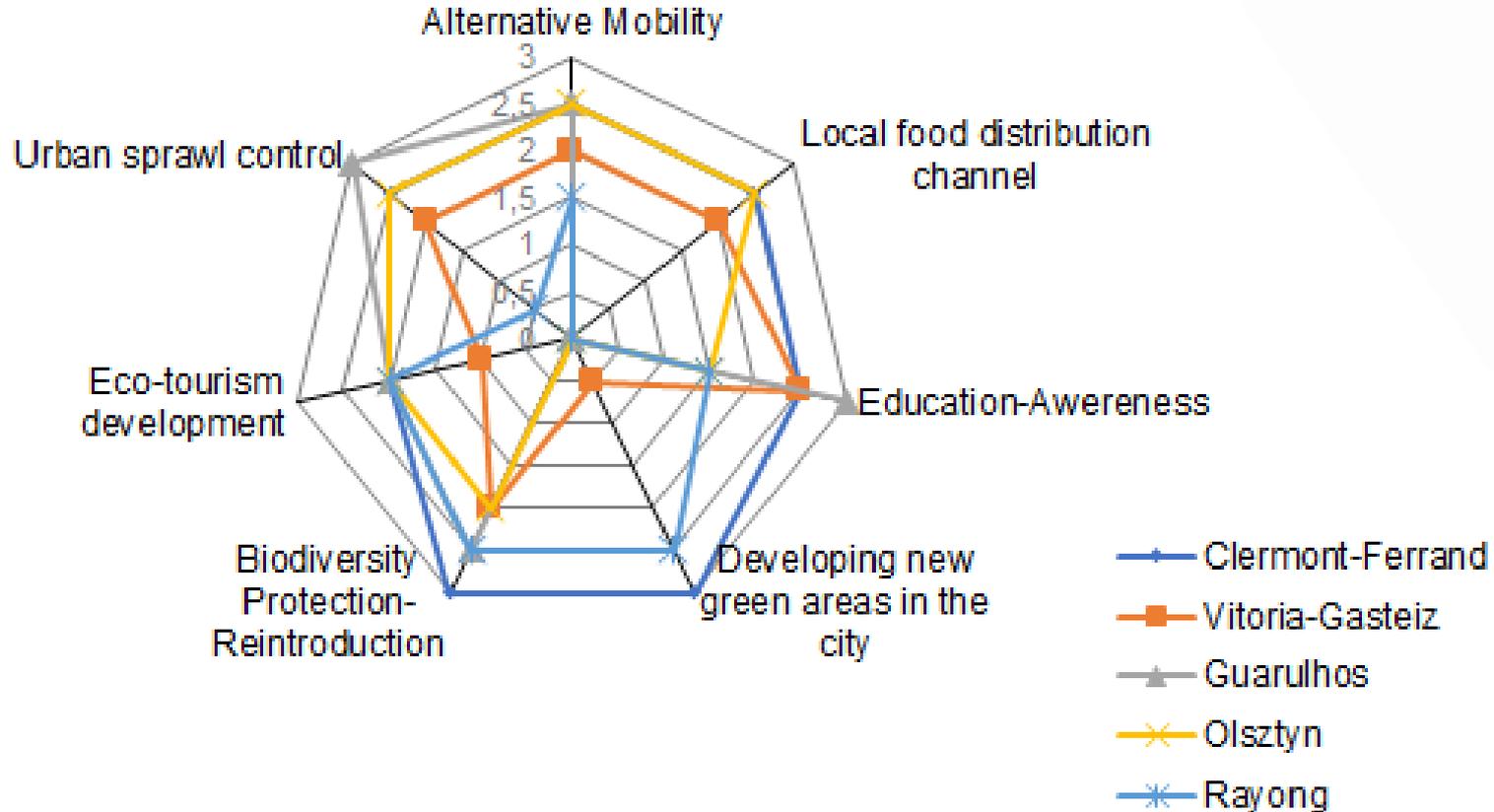
**Issue** : category or a thematic in the global city management

**Challenge** : specific problems, needs or interests within the thematic

# Comparative analysis - Step 3



## Converging challenges



# Comparative analysis - Step 3



## Diverging challenges

### Waste management

- Clermont-Ferrand, Olsztyn and Vitoria didn't identify waste management as a challenge.
- Guarulhos' challenge on the matter lies on the cost of waste management
- Rayong's challenge is to reduce plastic waste and improve its sewage system

### Water management

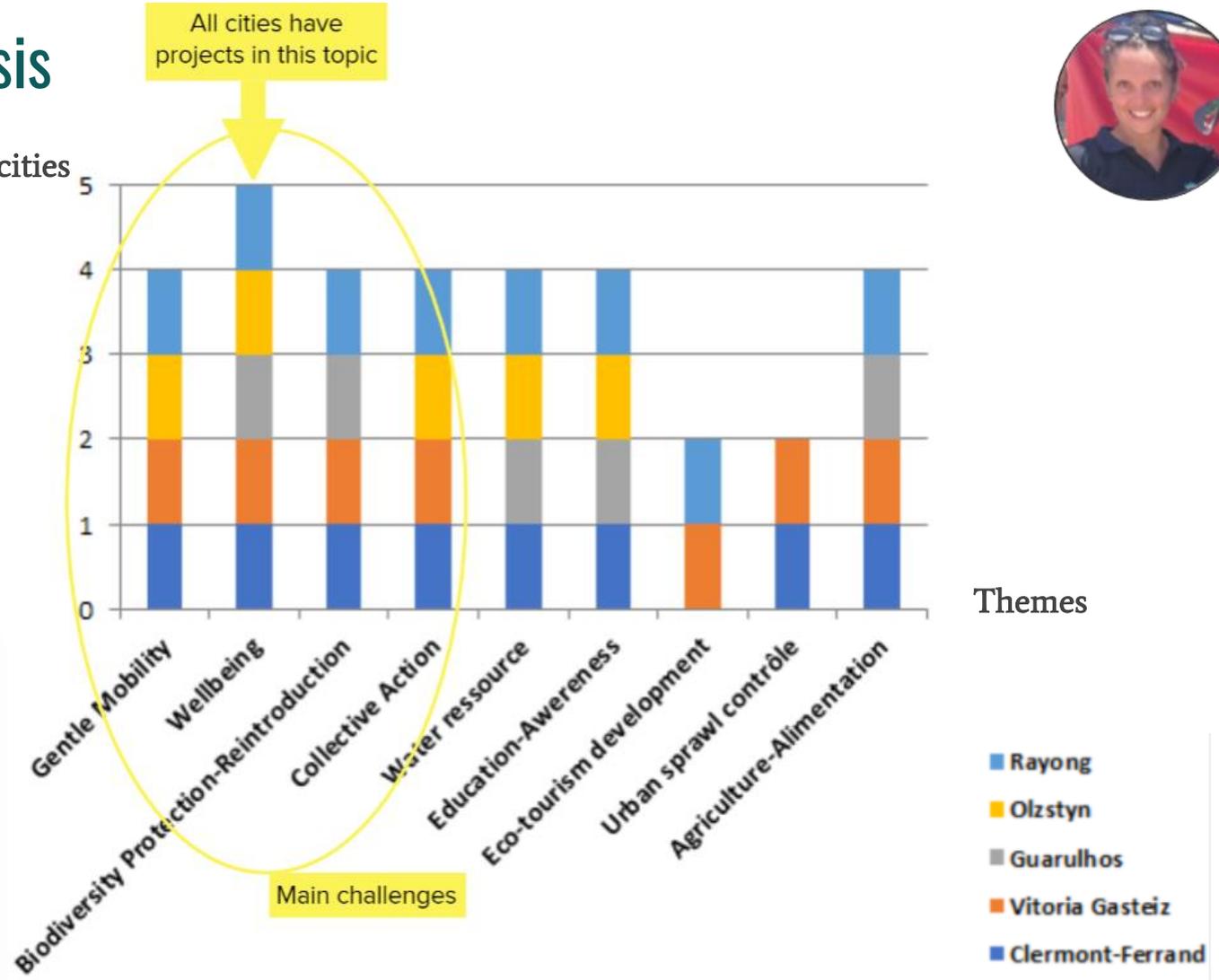
- Guarulhos's challenge is linked to the rises in the water level
- In Rayong, water quality would be a challenge to tackle
- Olsztyn wants to make sure its inhabitants have access to lakes
- Clermont-Ferrand has no natural water flow. Its challenge is to reintroduce water points in the city.

# Comparative analysis

## - Step 4



Number of cities



# Comparative analysis - Step 4



## Wellbeing actions examples

### Similar actions

Vitoria-Gasteiz  
Rayong  
Olsztyn  
Clermont-Ferrand

**Introduce and valorize  
natural spaces in the  
city to improve  
quality of life**

⇒ Possibilities to share and learn :

- Tools and ways to introduce nature in and **land property issues in cities**
- **Finance natural areas management**

### Different actions

Guarulhos

**Local production of  
medicinal plants**

⇒ Opportunity to **inspire** - New horizon - **New vision** of the link between nature and wellbeing  
⇒ **Create connexions**, share experience

# Comparative analysis - Step 4



## Collective actions examples

### Similar actions

Vitoria-Gasteiz

Guarulhos

Olsztyn

Clermont-Ferrand

**Citizen shared gardens  
Natural public areas  
management by population**

⇒ Share common projects and learn from each other, spread practises

- Governance and management
- Increase the number of people involved

### Different actions

Vitoria-Gasteiz

Participatory workshop with citizen for food strategy

Rayong

Population volunteering for mangrove restoration and beach cleanings

Clermont-Ferrand

Participative citizen funding for nature promotion, Citizens' convention

⇒ Opportunity to open to new horizon :

⇒ How the population volunteering in Rayong mangrove could inspire participative actions in Vitoria-Gasteiz or Clermont-Ferrand ?

# Conclusion and perspectives



## Recommendations for collaboration

- ❖ Enhance collaboration
- ❖ Develop technical assistance
- ❖ Group similar cities
  
- ❖ Nature in the city
  - A transversal topic
  - Shared by all cities



Nature in the city, a leitmotif for the network's future



## Question n°1:

**What are the key points that drove your attention during the presentation?**

*(15 min in total)*



## Question n°2:

**Taking into account the specificities of your city, on which themes would you like to cooperate with other network's members?**

*(15 min in total)*



# Principal bibliography

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