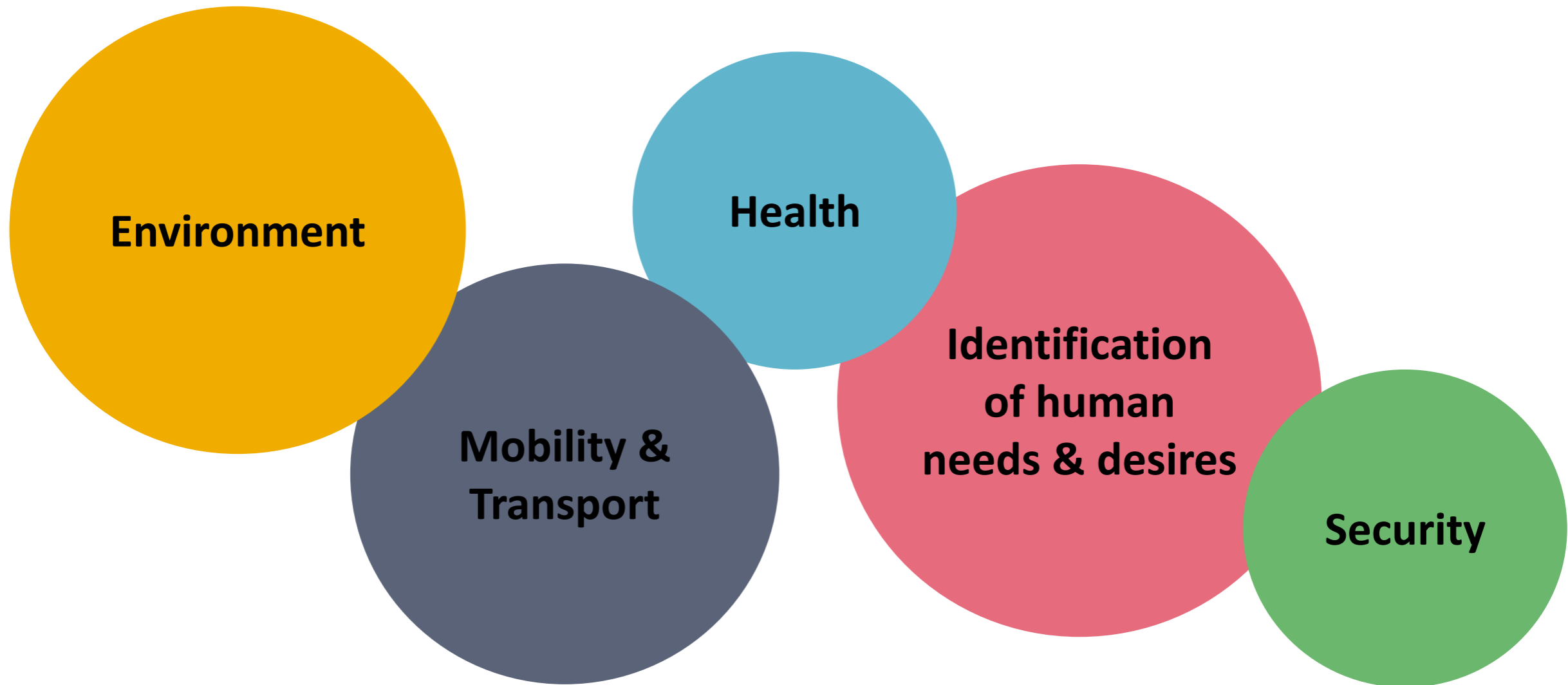




# **A European perspective of Ethics for AI systems**

**By Geneviève Fieux-Castagnet  
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# Fabulous applications of AI but....



# What is at stake?

## Human rights and fundamental freedoms

### Surveillance

Facial recognition  
➤ Tracking



### Discrimination

Use of old/uncontrolled data  
➤ Automatic recruitment



### Privacy

Data collection  
➤ Chabot & Autonomous vehicles



### Free consent & autonomy

Merchant sites & Social media  
➤ Profiling



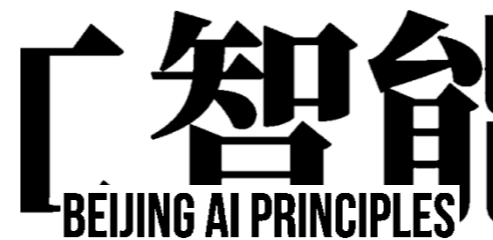


# Many initiatives for trustworthy AI : acceptability & a competitive asset

## International



## Governmental



## Companies



# Our method? Ethics by design

- ✓ Multidisciplinary **governance** :  
project manager + developers + ethicists
- ✓ From the **beginning**
- ✓ **Risk mapping**
- ✓ **Remedies & risk mitigation**
- ✓ **Monitoring & Evaluation** KPI
- ✓ Regular **controls**
- ✓ Imposing **requirements** to the whole supply chain

# Asking the right questions: a few examples

- Which **human rights** or **fundamental freedoms** may be concerned?
- Is the use of AI **essential** or **useful**? Can we use a **less invasive** system?
- Can we use **less data**? Can we **anonymise** or pseudo-anonymize the personal data?
- Can we **explain** the AI system?
- Can we **control** the results, the process, the data?
- Is it **safe**, robust and resilient to **attacks**?
- Are **misuses** or double uses **anticipated**?



# Identifying ethics dilemmas : one example



**Recognition of lost luggage owners in stations**

Efficiency VS Privacy invasion & Surveillance

# THANK YOU VERY MUCH

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