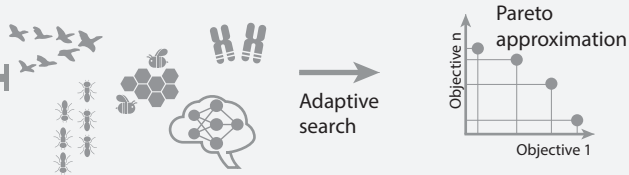


# IN AI

## Project 1: Hyper-heuristic optimization for fair public policy

### Bio-inspired multi-objective optimization



### Indicator-based search for distributive justice



## Project 3: Interpretability of climate change policy decisions

### AI system

Data Actors

Output

Why?

### Explainability strategies

Output

Inputs

Decisions

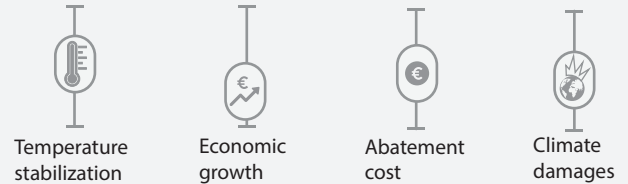
Goals

Stakeholders

# WITH AI

## Project 2: AI-based decision support for climate policy

### Efficient tradeoffs across global climate mitigation goals



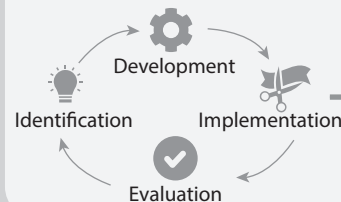
### Analysis of distributive justice of climate policy

- 1 Sequencing of infrastructure investments
- 2 Transboundary management
- 3 Water, food and energy sectors



## Project 4: AI-supported policy deliberation and negotiation

### Public policy lifecycle



### Stakeholder deliberations



### AI (NLP) Supported discourse analysis

- Argument mining
- Novelty detection
- Perspective clustering
- Deliberation quality analysis

### A living deliberation map

