POLITIE

ALGOPOL

Universiteit Utrecht

Isabelle Fest
i.c.fest@uu.nl

Esther Nieuwenhuizen
e.n.nieuwenhuizen@uu.nl

Carlos Soares
c.a.soares@uu.nl

Merijn Bruijnes
m.bruijnes@uu.nl

Albert Meijer
a.j.meijer@uu.nl

ALGOPOL: Research into Value-Sensitive and Transparent Algoritmization in the Police
https://algopol.sites.uu.nl/

Summary
In this project, Utrecht University researches how the use of algorithms is organised by the Netherlands Police. Public organisations use more and more algorithms to perform their tasks. However, there are concerns that this can lead to undesirable outcomes such as discrimination or maltreatment of citizens. This project investigates how (1) **value sensitivity** and (2) **transparency** can enhance the **trust of citizens in algorithm use**. The independent academic research of ALGOPOL takes place in collaboration with the Netherlands Police (Nationale Politielab Artificial Intelligence) and its results contribute to enhancing the legitimacy of the police.

Collaboration between scholars from different scientific fields and practitioners is crucial to develop wide and deep knowledge that is societally relevant. The model below shows the **synergy** in this collaboration and is surrounded by concrete project examples embedded in police practice.

MONOcam
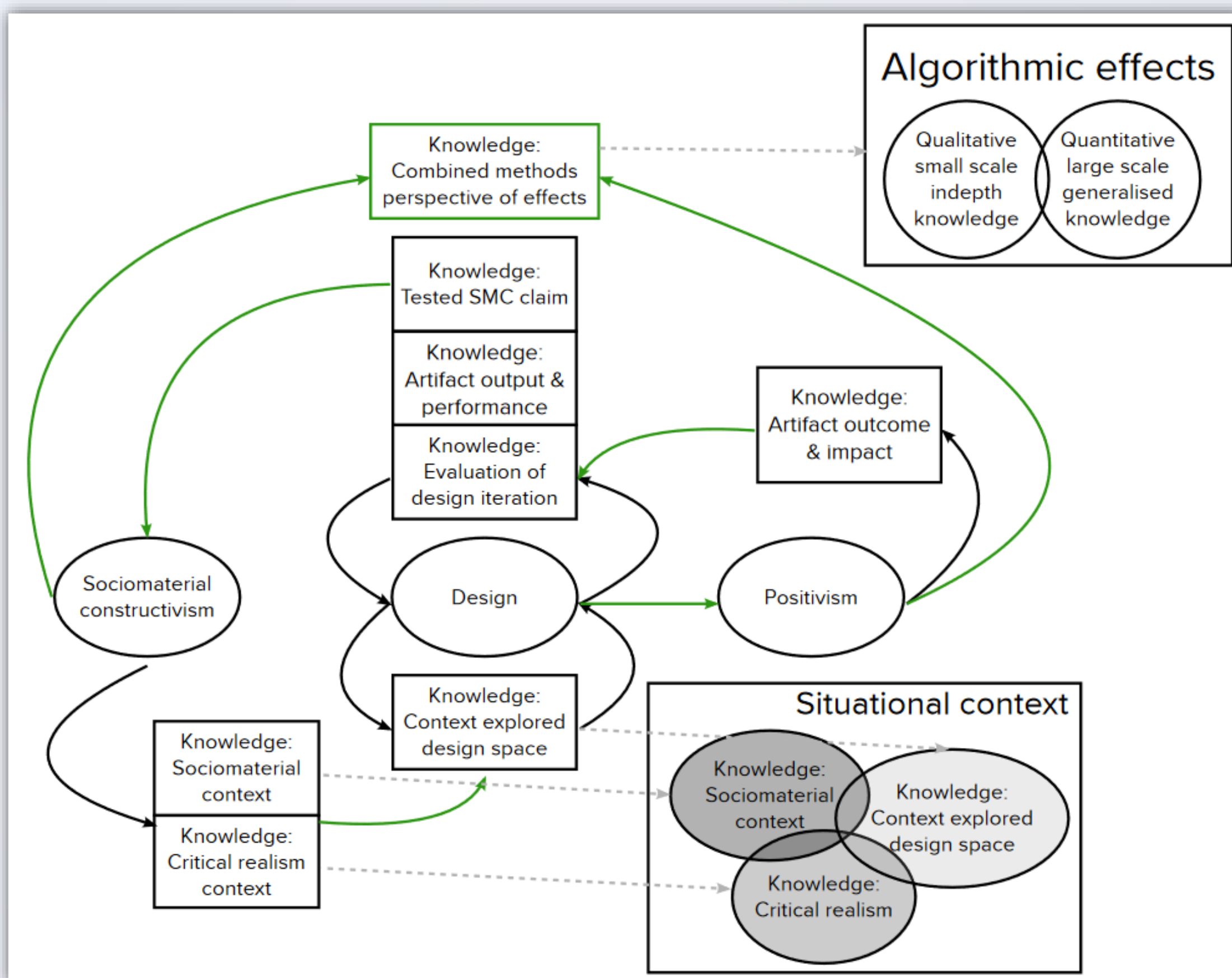*Design*
Studying an algorithmic camera system in practice.

Result
Value sensitivity during the design phase is no sufficient guarantee for safeguarding public values after implementation.

Isabelle

Cold-cases - semantisch zoeken
Design
Understanding a cold-case takes a lot of time and effort. Semantic search technology might speed this up.

Status
Evaluation of the technical system with cold-case specialists completed.

Merijn

AI Registry
Design
What are the antecedents and effects of AI Registries in public organizations, and how can the police draw lessons from this for their AI Register?

Status
Data is currently being collected through interviews, case studies and document analysis

Esther

Data professionals

Design
How do data professionals deal with public values in their day-to-day work?

Result
Data professionals consider public values very important, however, this does not always translate well to everyday choices. Frameworks and (ethical) guidelines offer limited support.

Isabelle

Reflection instrument for algorithmisation

Design
Make organisations learn by reflecting on how, when, and why responsible use of AI is possible.

Status
Exploration of organisational and employee needs in practice.
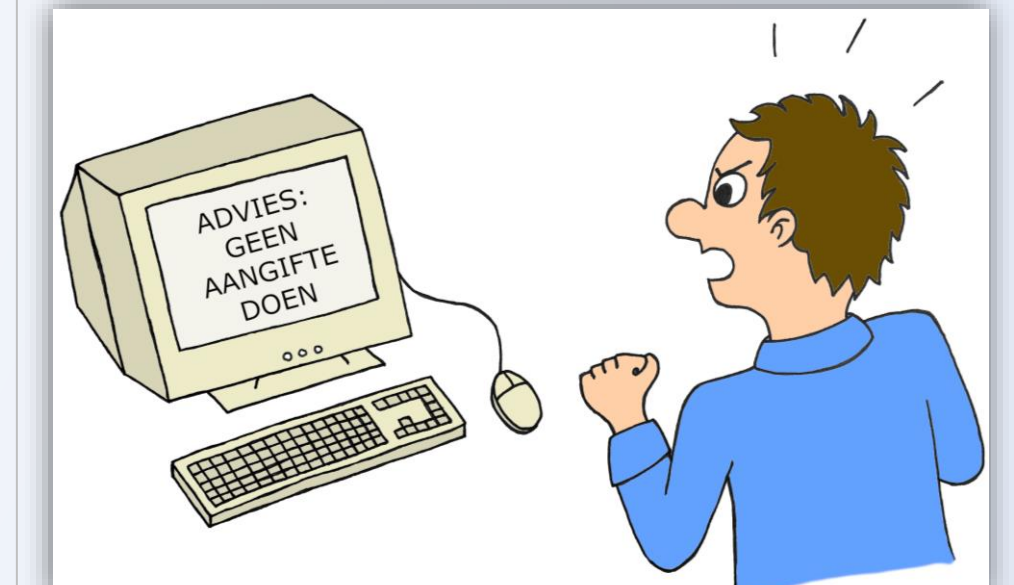
Merijn

Intelligent Crime Reporting Tool (IRCT) - internal
Design
How do employees experience working with the IRCT?

Result
The IRCT can assist by structuring information, yet its advice is not relevant for executing the work.

Carlos

IRCT - extern
Design
The effect of the system's explanations of its advice on citizen trust.

Result
Explanations create a (big) increase in citizen's trust in the system's advice.

Esther

Casus K.I.D.
Design
Investigating an innovation project to improve work practices in police vehicle.

Status
Data collection fase.

Carlos