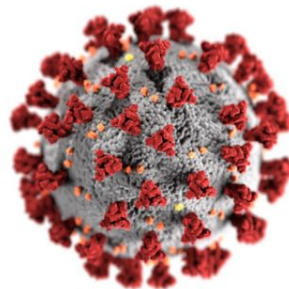


# RESPONSIBLE AI & CORONA

A PROJECT TO PROMOTE THAT AI IS  
USED RESPONSIBLY IN THE FIGHT  
AGAINST CORONA

14 June 2021, Noah Schöppl  
European Economic and Social Committee



# WHAT ARE THE OBJECTIVES?



Systematic assessment of the opportunities and challenges of AI to tackle the Corona-crisis and devise AI strategies for the current as well as future epidemics.

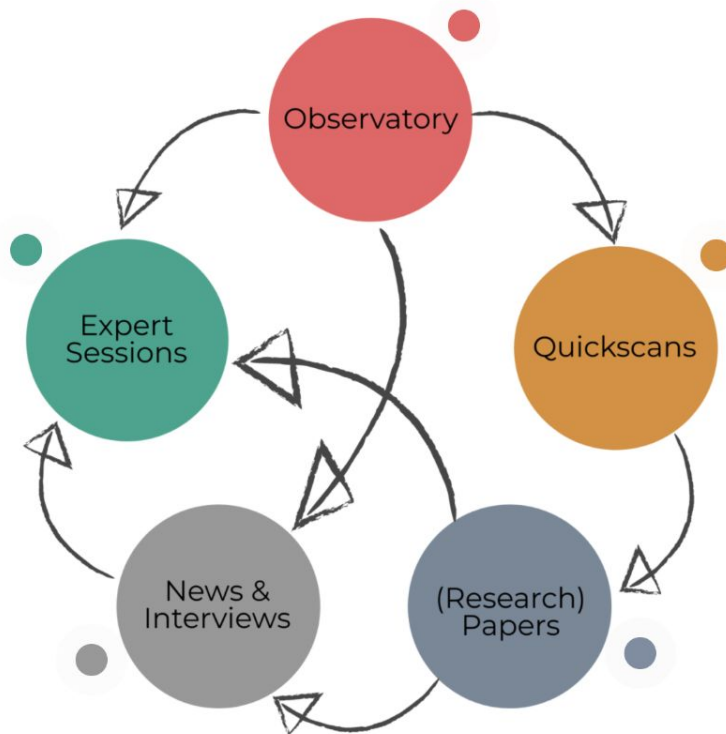


Highlight responsible, useful, reliable and safe AI & Corona applications, while at the same time draw attention to unsafe, irresponsible or undesirable AI.



Increase knowledge and awareness among policymakers, stakeholders and society about the importance of responsible AI, especially in times of crisis.

# WHAT DOES THE PROJECT INVOLVE?



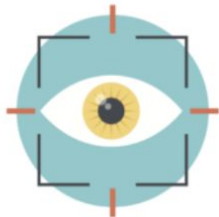
# AI & CORONA OBSERVATORY

OVERVIEW AND  
ASSESSMENT OF AI USED IN  
TIMES OF CORONA



# HOW DO WE ASSESS?





## AI-Driven Proctoring

### SCOPE OF USE



IMPACT ON CITIZENS AND SOCIETY (BLUE=POS, RED=NEG)



TECHNOLOGICAL ROBUSTNESS AND EFFICACY



GOVERNANCE AND ACCOUNTABILITY



ACCEPTABLE TRADE-OFFS IN CRISIS



## Face Mask Detection

### SCOPE OF USE (COVERT)



IMPACT ON CITIZENS AND SOCIETY (BLUE=POS, RED=NEG)



TECHNOLOGICAL ROBUSTNESS AND EFFICACY



GOVERNANCE AND ACCOUNTABILITY



ACCEPTABLE TRADE-OFFS IN CRISIS



## Health Risk QR Coding

### SCOPE OF USE



IMPACT ON CITIZENS AND SOCIETY (BLUE=POS, RED=NEG)



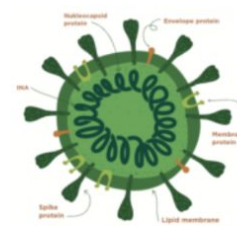
TECHNOLOGICAL ROBUSTNESS AND EFFICACY



GOVERNANCE AND ACCOUNTABILITY



ACCEPTABLE TRADE-OFFS IN CRISIS



## Protein Structure

### SCOPE OF USE



IMPACT ON CITIZENS AND SOCIETY (BLUE=POS, RED=NEG)



TECHNOLOGICAL ROBUSTNESS AND EFFICACY



GOVERNANCE AND ACCOUNTABILITY



ACCEPTABLE TRADE-OFFS IN CRISIS

Case Study:

# AI & HOME OFFICE



## SCOPE OF USE

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- According to a survey by Gartner, about 10% of business adopted applications for home office monitoring prior to the pandemic. The number has increased to 30% of businesses and is rising.
- Among others, applications such as Office 365 Monitoring, ActivTrak, Timedoctor, Enaibe, Hubstaff, Teramind, StatusToday, Controlio, TeamViewer, CleverControl, Spyrix Employee Monitoring, Kickidler, Veriato, DeskTime, WorkAuditor, Timely, Sneek, SoftActivity are on the market.
- Many of these systems use invasive 'tracking' elements such as eye tracking, location tracking, mouse movements, copy and paste behaviour, search behaviour, sound tracking, time tracking, keyboard tracking, etc.



## TECHNOLOGICAL ROBUSTNESS AND EFFICACY

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- No extensive research has been done assessing the effectiveness of AI-based monitoring tools compared to non-AI-based approaches that assure employee productivity.
- It is unclear whether specific features of monitoring software actually capture true productivity and performance of employees.
- It is possible to outsmart the software which raises accuracy and fairness concerns.
- Reliable productivity measurements are difficult with more complex and creative positions.



## POS. (BLUE) / NEG. (RED) IMPACT ON CITIZENS AND SOCIETY

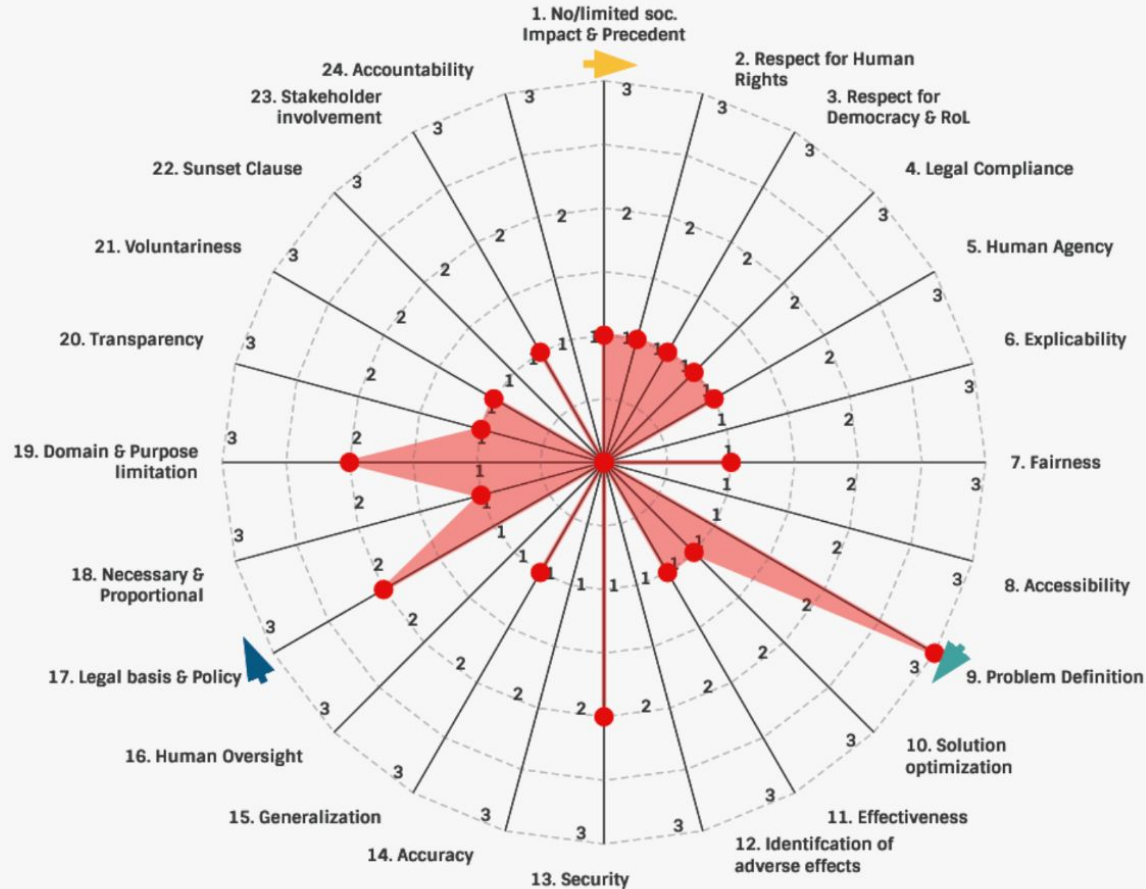
- Home office monitoring has a significant negative impact on citizens and society as the use of 'real-time' and 'always-on' technology can undermine trust, confidence and well-being, specifically in employment relationships.
- There is significant impact on the human rights to a private life, a safe and healthy workplace and human agency.
- It might set an undesired precedent for the future: more (acceptance) of surveillance.

## GOVERNANCE AND ACCOUNTABILITY

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- There might be national labour laws that require a specific legal basis for worker monitoring. Also collective bargaining agreements could have specific rules for worker monitoring.
- Most of the times, employees are not involved in the decision to apply the system.
- Submission to the application is not voluntary (either because employees are not made aware of the use of the system or they are obliged to consent).

# AI & Home Office General Assessment



Assessment  
Preparation:  
Laura Meyer



**ALLAI Podcast**

**Thank  
You For  
Listening!**



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