



Competences of security personnel: Detection of Deviant Behavior in a Museum Context

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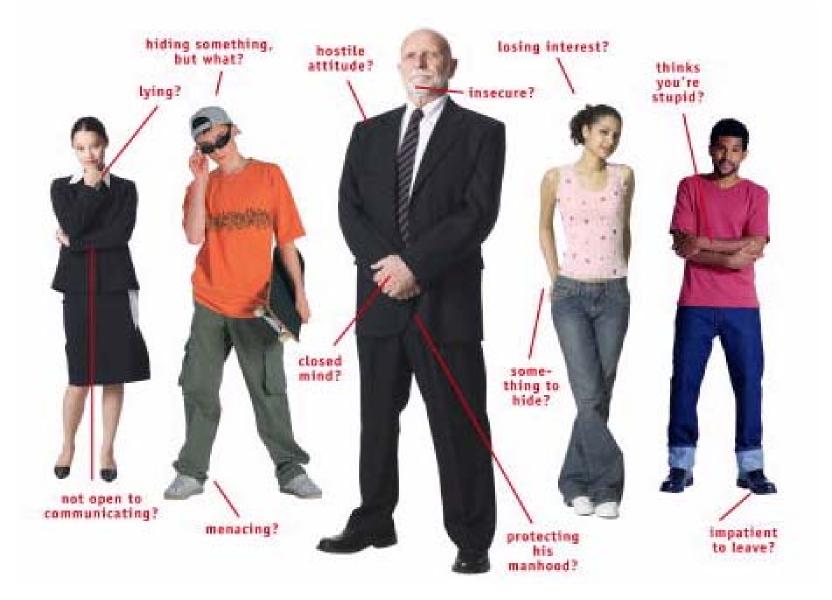
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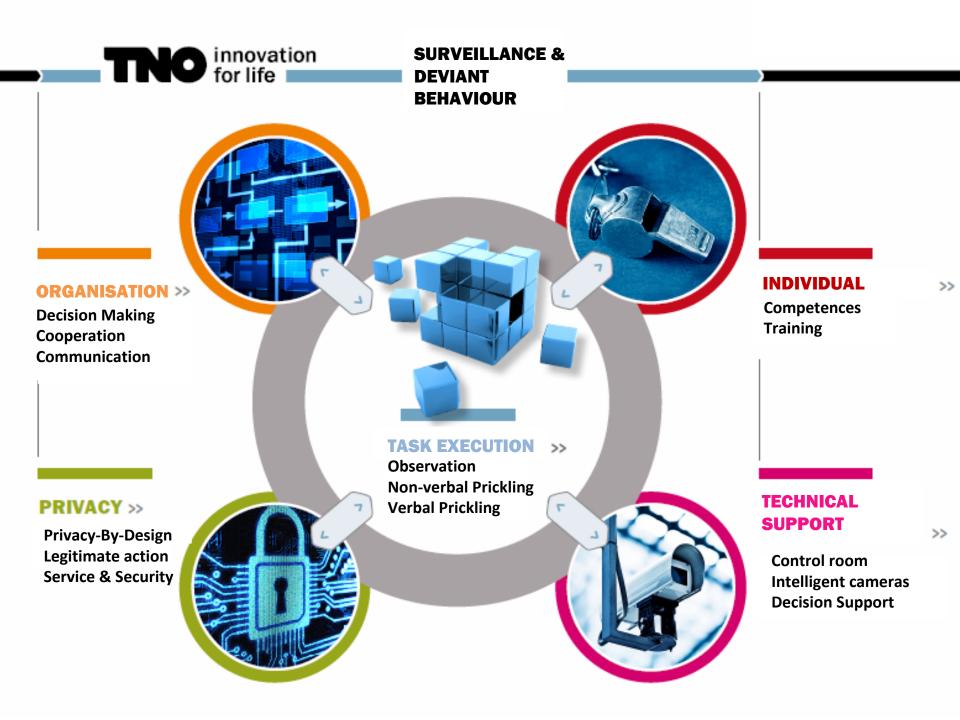
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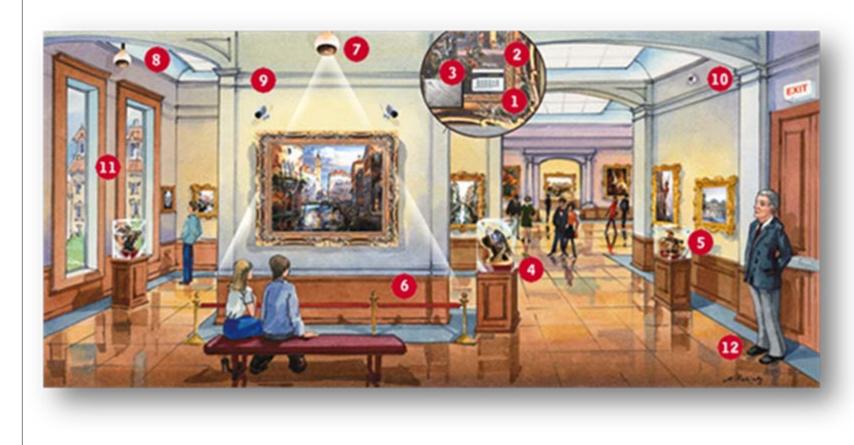








Deviant behavior in a museum context







Competences: Easy?

- Which competences are necessary for performing tasks adequately (detection, reaction)
- How can we assess these competences?



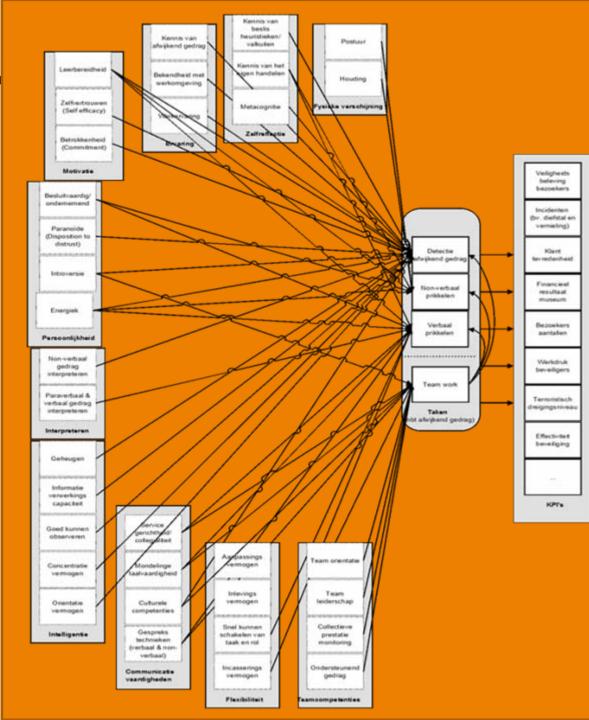




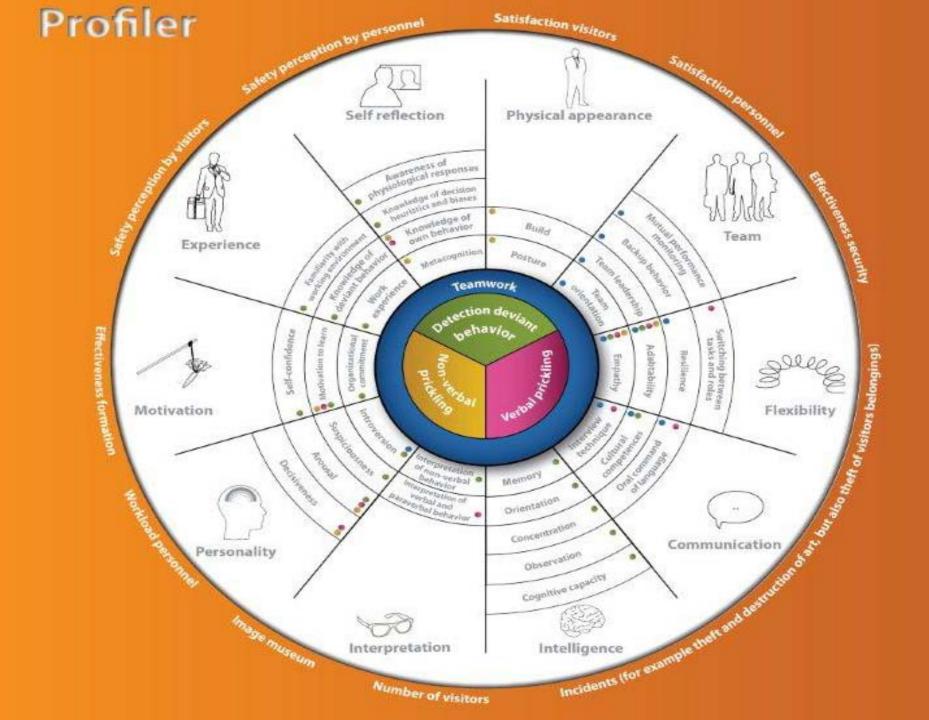
Which competences are possibly relevant?

- Interviews
- > Document analysis
- Literature review
 - > Lying and lie detection
 - Physiological reactions to stress
 - Biases in observation
 - Reacting





Hypothetical Model

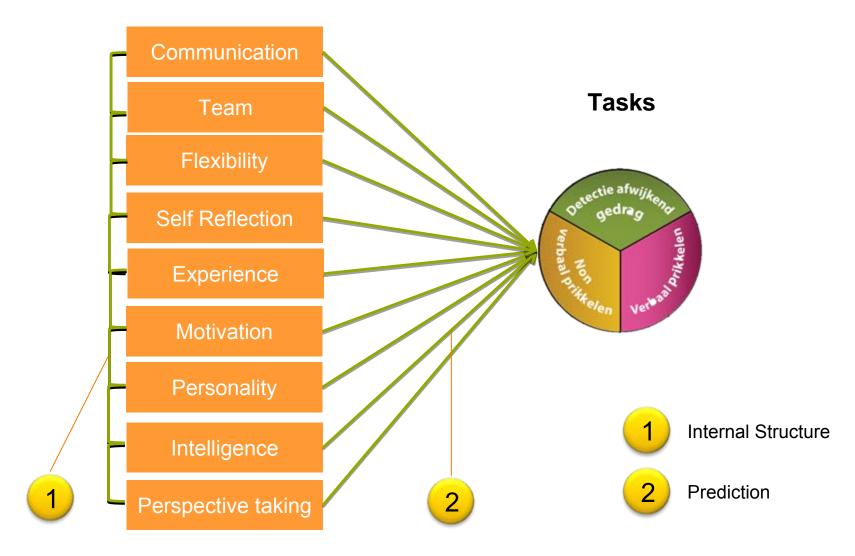






TNO innovation for life

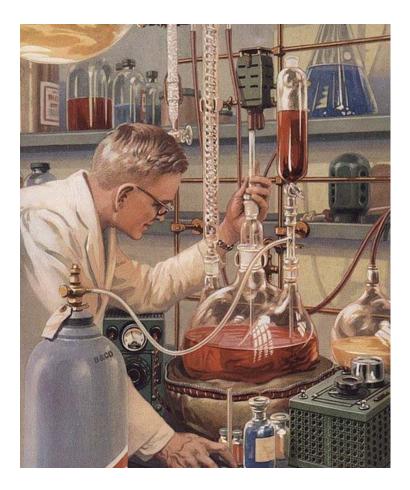
Competences







Testing our hypothetical model



Experiment:

100 Participants

- 1. Expert group 1
- 2. Expert group 2
- 3. Regular Security officers

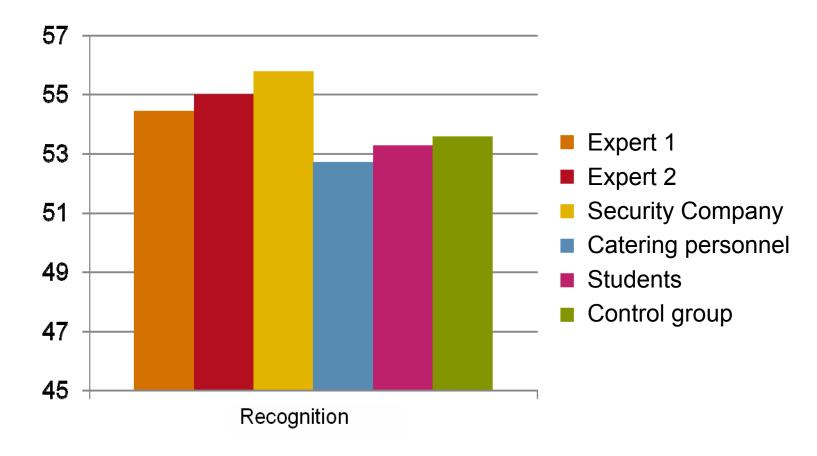
- 4. College Students Security
- 5. Catering personnel
- 6. Control Group





Difference between groups in the recognition task

Differences between groups are not very significant



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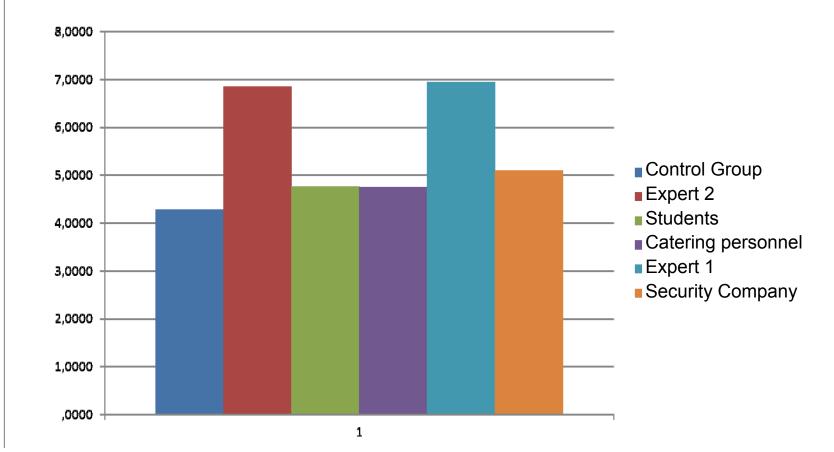




Differences between groups on reaction task

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What expectations did not come true?







Which competences are relevant?



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Conclusion

- There are competences that can be linked to people that are "good" at detecting and reacting to deviant behavior in a museum context.
- > Whats next?

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- The Rijksmuseum (possibly later on, the Van Gogh) will use this knowledge to select new security personnel.
- Art Secure will use this knowledge to help museums select and train their security personnel.
- TNO will apply the knowledge resulting from this project in other domains.







Questions?

