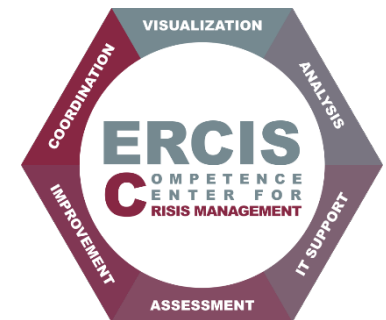


MEASURING INNOVATIONS IN CRISIS MANAGEMENT

ADAM WIDERA, CHIARA FONIO, SANDRA LECHTENBERG, BERND HELLINGRATH

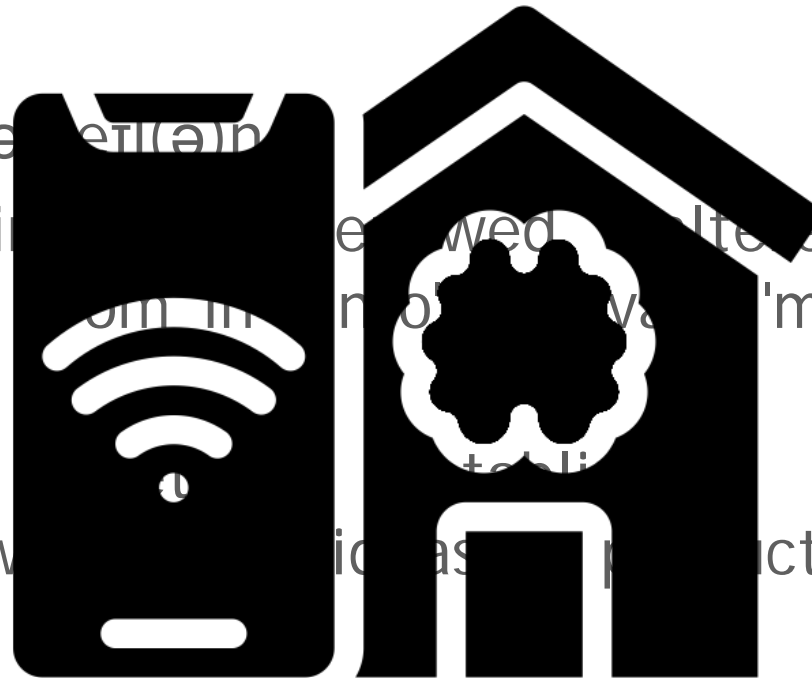




MOTIVATION AND SCOPE



Innovation /ˌɪnəˈveɪʃən/ from Latin *innovare*, from the verb *innovare*, from the prefix *in-* 'make new' (from *novus* 'new'). changes in introducing new ideas as products.



© Ben Davis from Noun Project



MOTIVATION AND SCOPE



"Choices between good and bad are relatively easy. Choices between competing good things are much harder and call for different methods."

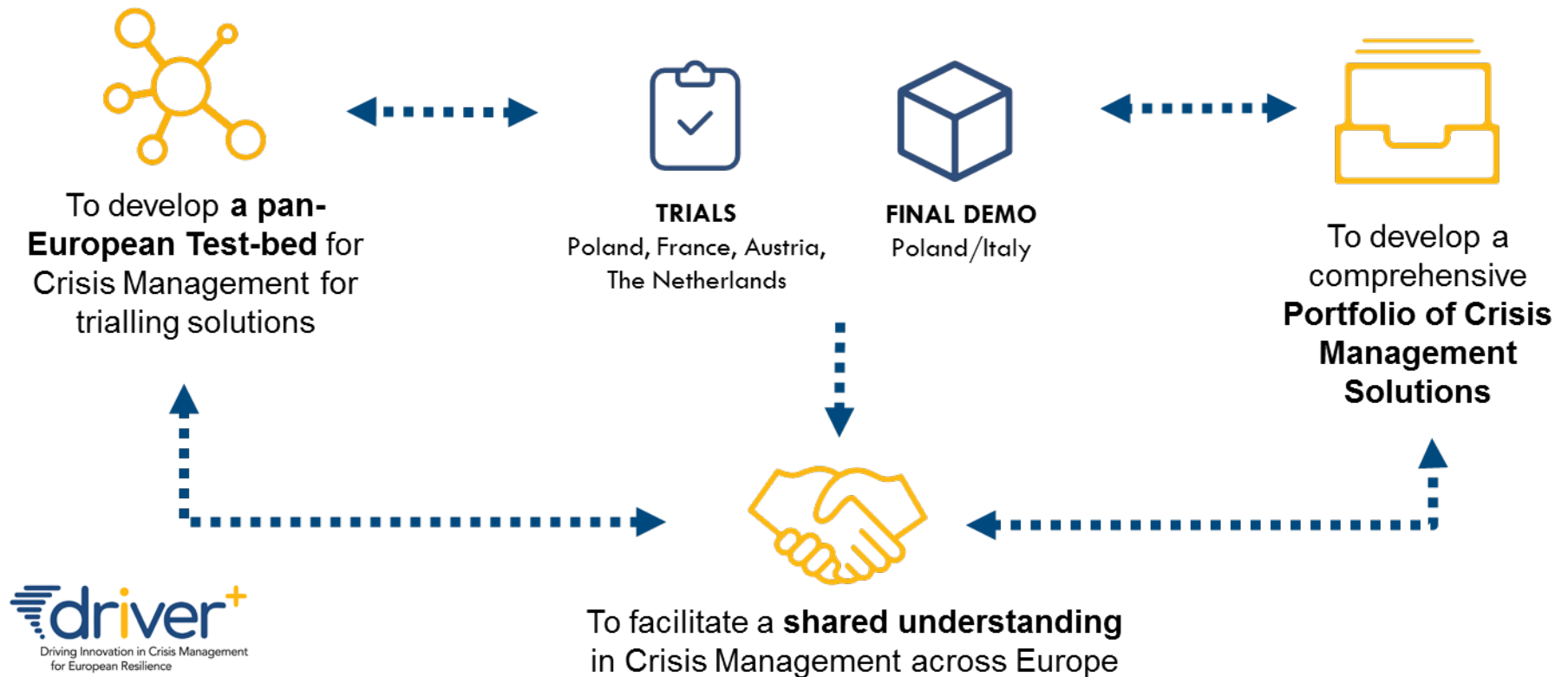
Prof. Mark Haselkorn



GUIDING RESEARCH QUESTION



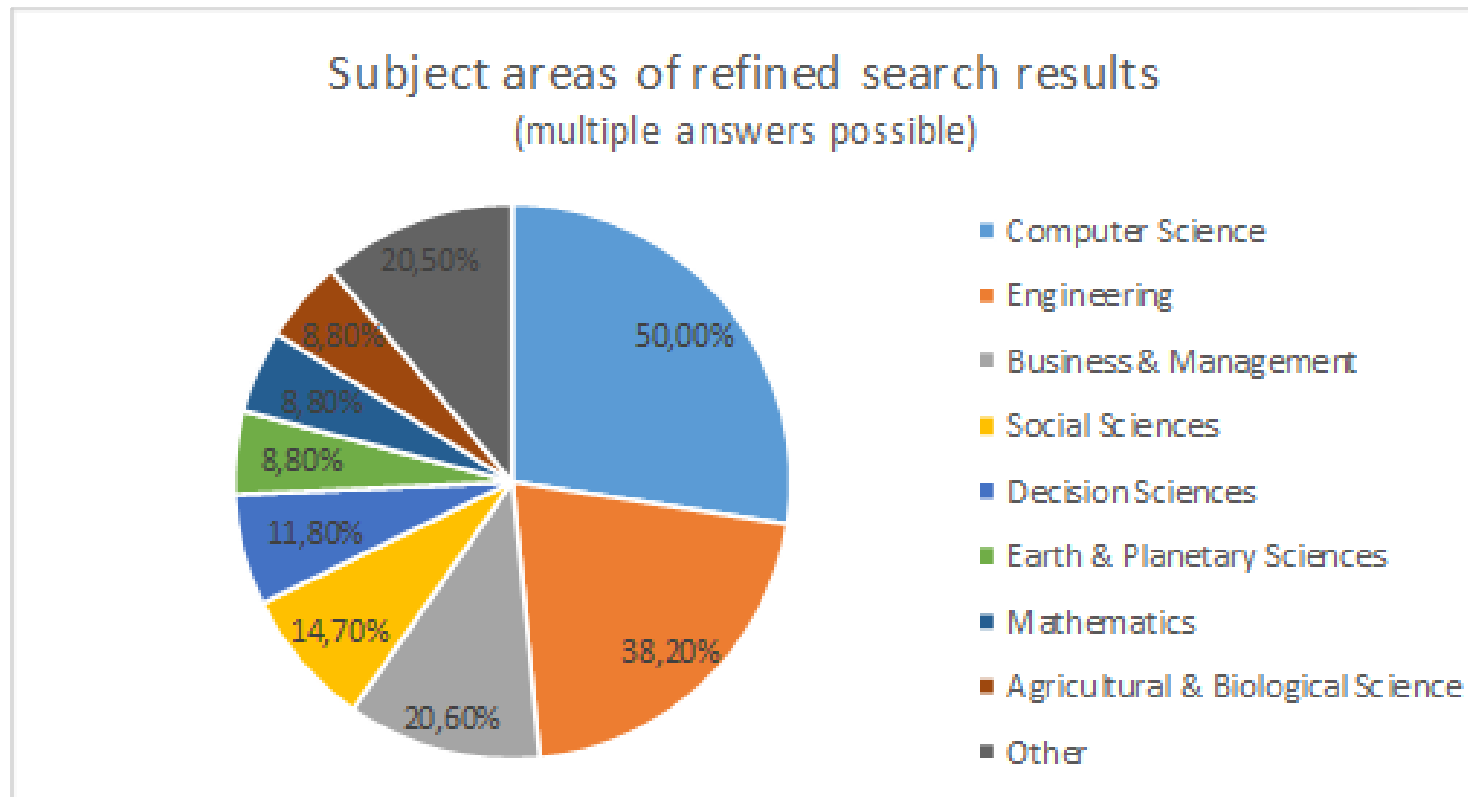
- How can we measure crisis management performance?





LITERATURE REVIEW

PERFORMANCE MEASUREMENT IN CRISIS MANAGEMENT

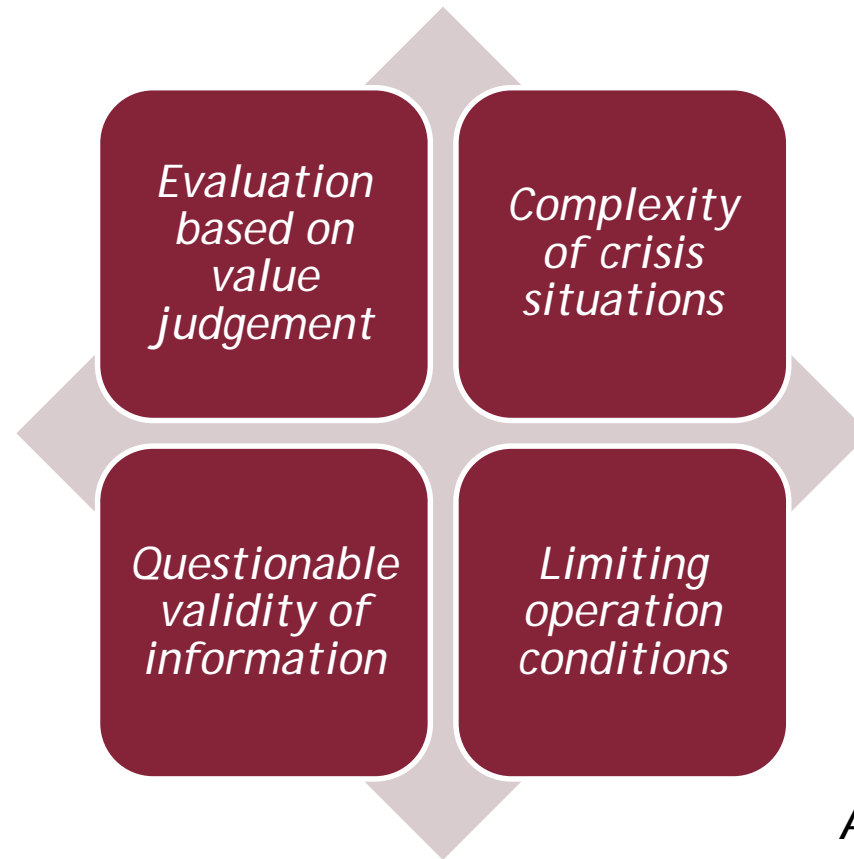




MAIN CONCLUSIONS



- CM performance measurement requires context-specific adjustments



Abrahamsson et al. 2010



INSIGHTS FROM THE PERFORMANCE MEASUREMENT DOMAIN



General
requirements



Process/task
orientation



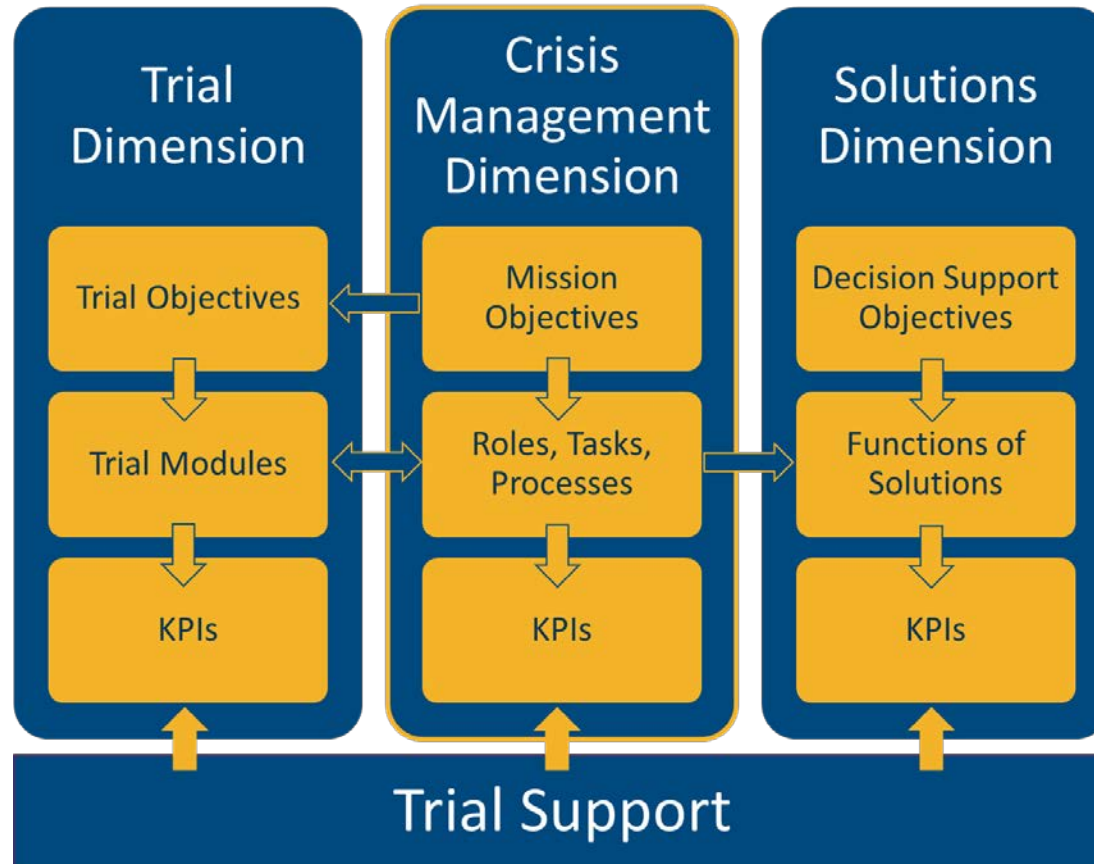
Systematization
& prioritization





USE CASE: DRIVER+

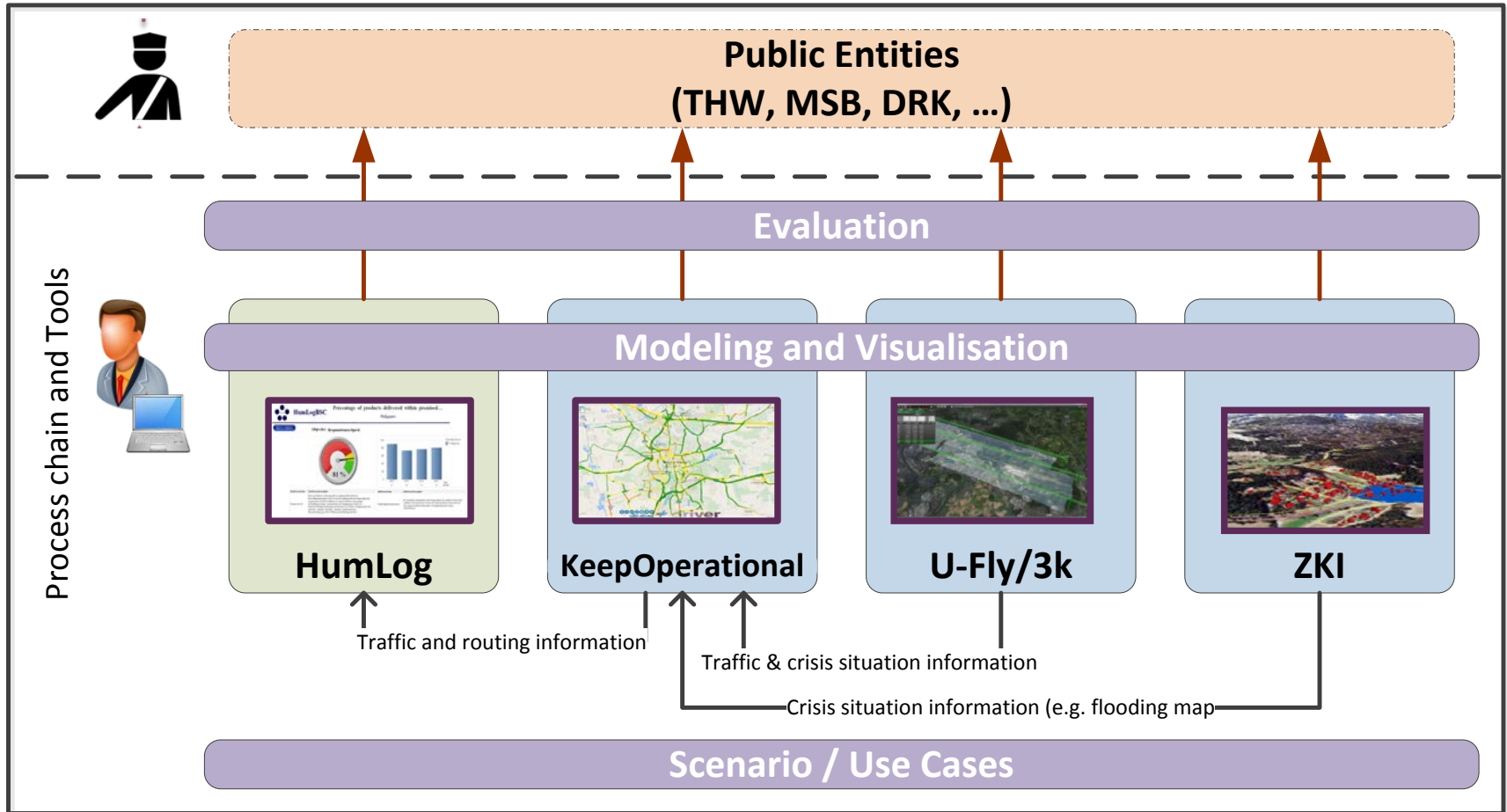
PERFORMANCE MEASUREMENT DIMENSIONS





EXEMPLARY TRIAL EVALUATION

SETTING





EXEMPLARY EVALUATION

RESULTS

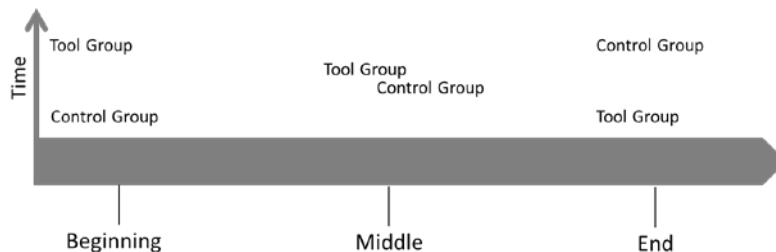


■ Quantitative

- Diff. performances of the tool- & control groups
- Control group faster in easy tasks
- Tools esp. „better“ for complex tasks

■ Qualitative

- Tools in total perceived as helpful
- User friendliness highly tool-dependent
- Identification of several limitations



DRIVER Experiment 44
Questionnaire for THW Volunteers

 Deutsches Zentrum
für Luft- und Raumfahrt
German Aerospace Center

| 3. Please answer the following questions. If you reply a question with No, please write a note in the comment field. | | |
|---|--------------------------|--------------------------|
| | Yes | No |
| Could you manage the tasks more easily with the proposed solution? | <input type="checkbox"/> | <input type="checkbox"/> |
| Would you say that you could finish the tasks faster with the help of the provided solution? | <input type="checkbox"/> | <input type="checkbox"/> |
| From your perspective, would the provided features be helpful in crisis management? | <input type="checkbox"/> | <input type="checkbox"/> |
| Was a faster situation awareness possible? | <input type="checkbox"/> | <input type="checkbox"/> |
| Should be a software, like KeepOperational, instituted in crisis management? | <input type="checkbox"/> | <input type="checkbox"/> |
| Comment field: | | |



SUMMARY AND OUTLOOK



THE TIMELINE



January 2018

Gaps & Needs assessment workshop



February 2018

Trials workshop 0 (Poland)



June 2018

I4CM#3 + Standardisation needs identification workshop (Poland)



December 2018

I4CM#4 (Denmark)



November 2019

Final Demo (Italy/Poland)



February 2020

Final Conference (Belgium)

2018

2019

2020



June 2018

Trial #1 (Poland)



October 2018

Trial #2 (France)



May 2019

Trial #3 (Austria)



October 2019

Trial #4 (The Netherlands)



February 2018

1st Policy-Research Dialogue Roundtable (Poland)



December 2018

2nd Policy-Research Dialogue Roundtable (Denmark)



February 2020

3rd Policy-Research Dialogue Roundtable (Belgium)



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THANK YOU FOR YOUR ATTENTION.

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