Indicator Based Approaches
Experiences with MARA

Anja Dahlmann

SWP
Stiftung Wissenschaft und Politik
German Institute for International and Security Affairs
Berlin
Qualitative Approaches
focused on autonomy or human supervision

Autonomy / Human Supervision
Multi-Dimensional Approach

Quantitative Indicator Based Approach: MARA

Armament Characteristics

Physical Characteristics

Human Relevance

Information Processing/Situational Awareness

Exposition

Level of Autonomy/Risk

Indicator Based Approach MARA – Lessons Learned

- Choice of indicators
- Definition of risk
Indicator Based Approach - Lessons Learned

Perceived Risks of LAWS
(and weapons systems in general)
Indicator Based Approach MARA – Lessons Learned

- Choice of indicators
- Definition of risk
- Definition of scales: Inter-coder reliability

- Illustrates the complexity of the issue
- Can be “tailored” to a specific risk
Conclusion

The debate – and possible regulation – could benefit from a combination of qualitative approaches like meaningful human control and quantitative indicators as guidelines for the interpretation.
