

Resilience in the context of national safety and security

– viewpoints from KIVI project

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Vulnerability of critical infrastructure and operational capability of authorities – KIVI

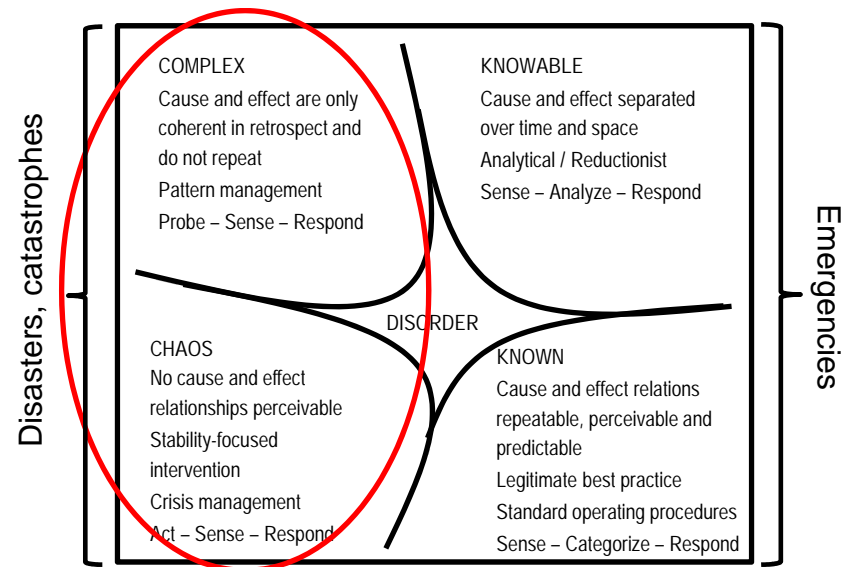
- **The project is enabling the anticipation of and preparedness for crises and disturbances among service providers and authorities, and the focus is on disruptions of human origin, taking place in urban context, and related to critical infrastructure.**
- **Duration:** 1.2.2017–31.12. 2019
- **Funding:** Supported by the European Union (EU Home Affairs Funds, the Internal Security Fund (ISF)) – the total product budget is around 670,000 euros
- **Coordinator:** National Police Board is the coordinator of the project and the Police University College is the implementing unit
- **Project partners:** Tampere University of Technology, The Finnish National Rescue Association SPEK
- In Finnish: <http://www.kivihanke.fi> & <http://www.polamk.fi/tki/projektihaku/kivi>
- In English: <http://www.polamk.fi/en/rdi/projects/kivi>

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Viewpoints on resilience in KIVI project

- Operating in the context of serious disruption of critical infrastructure is very different compared to emergencies!
- Challenges:
 - the nature
 - the context
 - the originof the disruption
- **How resilient are the authorities and citizens?**
- Resilience as adaptive behaviour...
 - ...of the **authorities** to operate by using post-bureaucratic operational models along with bureaucratic ones
 - ...of the **citizens** to act in ways that support the work of the authorities



Adapted from Kurtz & Snowden (2003, 468)

How will we develop the operational capability (~resilience) of authorities?

- Updatable tools are being developed through the project
 - ...for the evaluation of the authorities' risk-management capabilities in relation to critical infrastructure (stress test)
 - ...for enhancing the knowledge and skills of the authorities (simulation training model)
- New ideas to complement conventional approaches

References

- Boin, A. & McConnell, A. 2007. Preparing for Critical Infrastructure Breakdowns. *Journal of Contingencies and Crisis Management* 15 (1), 50–59.
- Kurtz, C.F. & Snowden, D.J. 2003. The new dynamics of strategy: Sense-making in a complex and complicated world. *IBM Systems Journal* 42 (3), 462–483.

Thank you!

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<http://www.kivihanke.fi>