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Research output

Evidence-based disaster risk management: A scoping review focusing on risk, resilience and vulnerability assessment

Tehler, H., Cedergren, A., de Goër de Herve, M., Gustavsson, J., Hassel, H., Lindbom, H., Nyberg, L. & Wester, M., 2024 Oct, In: *Progress in Disaster Science*. 23, 100335.

Tracking the implementation of a risk management process in a public sector organisation – A longitudinal study

Cedergren, A., Hassel, H. & Tehler, H., 2022 Oct 15, In: *International Journal of Disaster Risk Reduction*. 81, 103257.

Strategies for aggregating risk information in a societal safety context

Hassel, H., Cedergren, A. & Tehler, H., 2022, In: *Safety Science*. 149, p. 11

Advancing the Field of Disaster Response Management: Toward a Design Science Approach

Frykmer, T., Tehler, H., Uhr, C. & Wester, M., 2021 Apr 1, In: *International Journal of Disaster Risk Science*. 12, 2, p. 220-231 12 p.

Analys och värdering av räddningstjänstens operativa förmåga

Abrahamsson, M., Lindbom, H. & Tehler, H., 2021, Lund: Lund University.

Communicating uncertainty in risk descriptions: the consequences of presenting imprecise probabilities in time critical decision-making situations

Rydmark, J., Kuylenstierna, J. & Tehler, H., 2021, In: *Journal of Risk Research*. 24, 5, p. 629-644 16 p.

Corona-pandemins kaskadeffekter på lokal och regional nivå med avseende på samhällsviktiga funktioner: Mot ökad motståndskraft

Tehler, H., Cedergren, A., Hassel, H. & Johansson, J., 2021, Swedish Civil Contingencies Agency (MSB). 70 p.

How Can We Make Disaster Management Evaluations More Useful? An Empirical Study of Dutch Exercise Evaluations

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Enhetlig terminologi kring begreppet förmåga i det förebyggande och förberedande arbetet över hela hotskalan

Lindbom, H. & Tehler, H., 2020, Lund: Lund University. 25 p.

Standardization of disaster risk management - Challenges and opportunities

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Aggregated risk: an experimental study on combining different ways of presenting risk information

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Striking a balance between the costs and benefits of increasing response capability: A microworld study of the effect of capability assessments

Lindbom, H. & Tehler, H., 2019, In: International Journal of Disaster Risk Reduction. 41, 101297.

An empirical study on approaches to ambiguity in emergency and disaster response decision-making

Uhr, C., Tehler, H. & Wester, M., 2018 Nov 1, In: Journal of emergency management (Weston, Mass.). 16, 6, p. 355-363 9 p.

Capability assessments - How to make them useful for decision-making

Lindbom, H., Hassel, H., Tehler, H. & Uhr, C., 2018, In: International Journal of Disaster Risk Reduction. 31, p. 251-259

Exploring interdependencies and common goals in disaster recovery coordination

Raju, E., Becker, P. & Tehler, H., 2018, In: Procedia Engineering. 212, p. 1002-1009 8 p.

On collective improvisation in crisis management – A scoping study analysis

Frykmer, T., Uhr, C. & Tehler, H., 2018, In: Safety Science. 110, p. 100-109

Using microworlds to study critical infrastructure protection—the effect of incentives on risk management

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Exploring interdependencies and common goals in disaster recovery coordination

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Hur används riskanalyser för att dimensionera hanteringsförmåga?

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An emergent means to assurgent ends: Societal resilience for safety and sustainability

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How form affects function: On the possibility of aggregating risk information

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How can the usefulness of capability assessments be improved?

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Månsson, P., Abrahamsson, M., Hassel, H. & Tehler, H., 2015, In: *International Journal of Disaster Risk Reduction*. 13, September 2015, p. 441-453

On the perceived usefulness of risk descriptions for decision-making in disaster risk management

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Organizational Adaptation in Multi-Stakeholder Crisis Response: An Experimental Study

Pramanik, R., Ekman, O., Hassel, H. & Tehler, H., 2015, *Journal of Contingencies and Crisis Management*, 23, 4, p. 234-245.

The capability concept – On how to define and describe capability in relation to risk, vulnerability and resilience

Lindbom, H., Tehler, H., Eriksson, K. & Aven, T., 2015, In: *Reliability Engineering & System Safety*. 135, p. 45-54

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Förslag till ett samverkanssystem för svenska länsstyrelser

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How is capability assessment related to risk assessment? Evaluating existing research and current application from a design science perspective

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Evaluating risk and vulnerability assessments: a study of the regional level in Sweden

Abrahamsson, M. & Tehler, H., 2013, In: *International Journal of Emergency Management*. 9, 1, p. 76-92

Säkrare flöden genom effektivare riskhantering

Paulsson, U., Christer, B., Norrman, A. & Tehler, H., 2013, Studentlitteratur AB. 164 p.

Utveckling av kommunala risk- och sårbarhetsanalyser

Abrahamsson, M., Hassel, H., Månsson, P., Pedersen, K. & Tehler, H., 2012 Oct 1, Lund: Lund University. 33 p. (LUCRAM rapport; no. 1021)

Approaches and challenges for Swedish public agencies in the performance of Risk and Vulnerability Analyses

Hassel, H., Abrahamsson, M., Eriksson, K., Petersen, K. & Tehler, H., 2012, *11th International Probabilistic Safety Assessment and Management Conference and the Annual European Safety and Reliability Conference 2012 (PSAM11 ESREL 2012)*. IAPSAM & ESRA, p. 5005-5013

A study of the performance of risk and vulnerability assessments by Swedish Public Agencies

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Designing societal safety: A study of the Swedish crisis management system

Tehler, H., Brehmer, B. & Jensen, E., 2012, *Proceedings of PSAM 11 / ESREL 2012, 25 - 29 June 2012, Helsinki, Finland*. IAPSAM & ESRA

Utveckling av förmågebedömningar

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An emergent means to assurgent ends: Community resilience for safety and sustainability

Becker, P., Abrahamsson, M. & Tehler, H., 2011, *Proceedings of the fourth resilience engineering symposium*. Hollnagel, E., Rigaud, E. & Besnard, D. (eds.). Resilience Engineering Association, p. 29-35 6 p.

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Det svenska samhället som krishanteringssystem

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Höst, M. (Editor), Nieminen Kristofersson, T. (Editor), Petersen, K. (Editor) & Tehler, H. (Editor), 2010, Lund University. 163 p.

Några tankar om hur en risk- och sårbarhetsanalys bör utformas

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Towards a systems-oriented framework for analysing and evaluating emergency response

Abrahamsson, M., Hassel, H. & Tehler, H., 2010, In: *Journal of Contingencies and Crisis Management*. 18, 1, p. 14-25

Evaluating the Seriousness of Disasters: An Empirical Study of Preferences

Hassel, H., Tehler, H. & Abrahamsson, M., 2009, In: *International Journal of Emergency Management*. 6, 1, p. 33-54

Analysing Emergency Response Systems

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Designing resilient critical infrastructure systems using risk and vulnerability analysis

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Identifying Critical Components in Technical Infrastructure Networks

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Analytical Input to Emergency Preparedness at the Municipal Level – a Case Study

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Identifying Critical Components of Electric Power Systems: A Network Analytic Approach

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Metoder för risk- och sårbarhetsanalys ur ett systemperspektiv

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Analysing Societal Vulnerability to Perturbations in Electrical Distribution Systems

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Analysing societal vulnerability to perturbations in electric distribution systems

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Mapping an emergency management network

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Risk preferences regarding multiple fatalities and some implications for societal risk decision making-an empirical study

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Analytisk dimensionering

Lundin, J., Delin, M. & Tehler, H., 2005, *Brandskyddshandboken - En handbok för projektering av brandskydd i byggnader*. Jönsson, R., Bengtsson, S. & Frantzich, H. (eds.). Brandteknik, Lunds tekniska högskola, Lunds universitet, p. 176-192

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A Risk-Based Approach to Verification of Fire Safety Design Solutions

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Tehler, H., 2003, Department of Fire Safety Engineering and Systems Safety, Lund University. 330 p.

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Sammanfattning av fas 3 i projektet "Ekonomisk optimering av det industriella brandskyddet"

Tehler, H., 2002, *Fire Safety Engineering and Systems Safety*. (LUTVDG/TVBB--3125--SE; vol. 3125)

Decision Making in Fire Risk Management

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Investment Appraisal Using Quantitative Risk Analysis

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Att visa lönsamhet med brandskyddsinvesteringar - sammanfattning av fas 2 i projektet Ekonomisk optimering av det industriella brandskyddet

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Ekonomisk riskanalys av ABB Automation Products verksamhet i byggnad 358

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Ekonomisk riskanalys av Avesta Sheffield's kallvalsverk i Nyby

Tehler, H., 1999, Department of Fire Safety Engineering and Systems Safety, Lund University. 73 p. (LUTVDG/TVBB--3103--SE; vol. 3103)

Osäkerheter i variabler vid riskanalyser och brandteknisk dimensionering

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Riskbaserad utvärdering av alternativ brandskyddsutformning av byggnader

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Sammanfattning av fas 1 i projektet "Ekonomisk optimering av det industriella brandskyddet"

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Brandfrekvenser och typbränder i industrianläggningar

Tehler, H., 1998, Department of Fire Safety Engineering and Systems Safety, Lund University. 73 p. (LUTVDG/TVBB--3100--SE; vol. 3100)

Projects

CenCIP: CenCIP

Johansson, J. (PI), Tehler, H. (CoI), Guldåker, N. (Researcher), Norrman, A. (Researcher), Simonsson, C. (Researcher), Cedergren, A. (Researcher), Hassel, H. (Researcher), Svegrup, L. (Research student), Arvidsson, B. (Research student) & Rydén Sonesson, T. (Research student)

2015/09/01 → 2024/06/30

Enhetlig terminologi kring begreppet förmåga i det förebyggande och förberedande arbetet över hela hotskalan

Lindbom, H. (Researcher) & Tehler, H. (Researcher)

2019/10/01 → 2019/12/31

Integrated and effective risk management in an interconnected society

Cedergren, A. (Researcher), Hassel, H. (Researcher), Lindbom, H. (Researcher), Tehler, H. (PI) & Wester, M. (Researcher)

2022/01/01 → 2026/12/31

Kunskapsöversikt säkra flöden, försörjningssäkerhet och kritiska beroenden

Johansson, J. (PI), Tehler, H. (Researcher) & Arvidsson, B. (Research student)

2016/10/01 → 2017/02/01

PRIVAD - Program for Risk and Vulnerability Analysis Development

Lindbom, H. (Research student), Petersen, K. (PI), Tehler, H. (CoPI), Hassel, H. (Researcher), Eriksson, K. (Researcher), Abrahamsson, M. (Researcher) & Månsson, P. (Research student)

2011/01/01 → 2015/12/31

Relationen analys, dimensionering och förmåga i kommunernas arbete med LEH och LSO

Tehler, H. (PI), Lindbom, H. (Researcher) & Hassel, H. (Researcher)

2016/06/01 → 2017/03/31

Riskvärdering och riskkontroll vid överdäckning av transportleder för farligt gods

Tehler, H. (PI)

2022/01/03 → 2023/01/31

Samhällelig beredskap i en föränderlig tid – att balansera förmåga att hantera det väntade och det oväntade

Hassel, H. (Researcher), Cedergren, A. (Researcher), Lindbom, H. (Researcher) & Tehler, H. (Researcher)

2022/01/01 → 2025/12/31

Standardization of risk

Ingvarson, J. (PI), Hassel, H. (Supervisor) & Tehler, H. (Assistant supervisor)

2020/03/01 → 2025/09/30

Underlag för dimensionering av räddningstjänst (del 1)

Lindbom, H. (Researcher), Tehler, H. (Researcher) & Abrahamsson, M. (Researcher)
2020/01/01 → 2020/06/30

Underlag för dimensionering av räddningstjänst (del 2)

Lindbom, H. (Researcher), Tehler, H. (Researcher) & Abrahamsson, M. (Researcher)
2020/10/01 → 2021/06/30

Utveckling av förmågebedömningar

Lindbom, H. (Researcher), Hassel, H. (Researcher), Tehler, H. (Researcher), Svegrup, L. (Researcher) & Petersen, K. (Researcher)
2011/11/30 → 2012/11/30