

Call – Disaster Risk Reduction in Humanitarian Supply Chain Editorial: Springer

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Summary:

In the last decades, the perception of dealing with disasters focuses on emergency response; however, it has been recognized that not only is the hazard related to coping with disasters but also reducing disaster risk, helping to prevent losses and alleviating disasters impact. Although several definitions for disaster risk can be found in literature, such as "the likelihood of loss of life, injury or destruction and damage from a disaster in a given period of time" (UNISDR Global Assessment Report 2015), there is still not a clear idea of this concept and the ones related to it (i.e., resilience, hazard, vulnerability, and exposure). The disaster risk concept and how it can be managed, are two of the priorities of the Sendai Framework for Disaster Risk Reduction 2015 - 2030 (DRR 2015 - 2030). This call aims to bring together contributions that help to provide an answer to questions such as:

- Is - or should be - the field of humanitarian logistics concerned by the definition, measurement, and management of risk?
- How terms such as risk and those related to it, are conceived by the humanitarian logistics stakeholders?
- How is Disaster Risk Reduction currently integrated within the humanitarian supply chain decision-making?
- How are the humanitarian supply chain stakeholders' concerns are prioritized and integrated within the humanitarian supply chain decision-making?

While clarifying the priorities of the Sendai Framework for the DRR 2015 – 2030, and to come up with contributions focused on optimization approaches that support the decision-making process in the challenge of managing DRR problems considering emerging disaster risks in the medium and long term, as well as national and local applications.

We invite researchers to send their contributions on the field, to promote and facilitate works filling the gap between practical needs and research, to suggest specific future research avenues, and last but not least, to inspire academics/researchers to engage in this important and promising research field. Some of the topics covered include network flow problems, stochastic optimization, discrete optimization, multi-objective programming, approximation techniques, and heuristic approaches.

Keywords: Disaster Risk Reduction, Resilience, Decision-Making Process, Humanitarian Logistics, Natural sudden-onset disasters

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Important dates

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