Logistics and supply chain management play a major role for the effectiveness of crisis response operations. Information systems can significantly support and improve the performance of disaster relief logistics. However, there is a need to improve the freshness, effectiveness, appropriateness, and accessibility of information and communication systems intended to facilitate logistics and supply chain management in the face of devastating disasters. Such improvements cannot be driven by cutting-edge technologies alone, but they must be based on an in-depth understanding of the practitioner realities and the decision maker’s needs. Therefore, humanitarian information systems need to be examined critically, both from scientific and practitioner perspectives.

The objective of this track is to present, discuss and reflect upon practitioner-centered contributions to the design, application and evaluation of information systems for logistics and supply chain management in the area of crisis management. For this purpose, potential contributions have to provide rigorous research methods and relevant approaches reflecting the practitioner’s realities. To ensure an appropriate balance of both criteria, humanitarian logistics practitioners will be involved in the review process. Each submission will receive feedback by recognized experts from the respective scientific disciplines and the application domain.

TRACK FORMAT

The track “Practitioner-centered Logistics and Supply Chain Management in Crisis Response” combines a classical track format as provided during the logistics tracks at the last three ISCRAM editions and additional input of humanitarian logistics practitioners. Thus, for each submission at least one practitioner review per submission will be provided on the top of the regular review process. The practitioner reviews will be provided thanks to the active support of the Humanitarian Logistics Association. This support is likely to increase the review quality and to foster knowledge sharing between research and practice.

TRACK TOPICS

Possible topics of interest for this track include the following:

- Process modeling and analysis of disaster relief chains
• Quantitative methods and simulation in disaster relief logistics
• Performance measurement and monitoring of disaster relief chains
• Logistics decision making in crisis management
• Transportation in crisis situations
• Warehousing and inventory management for disaster relief
• Emergency procurement
• Coordination and collaboration in disaster relief chains
• Humanitarian logistics and supply chains
• Governance of ad-hoc logistics networks in crisis management
• Early detection and assessment of requirements for disaster relief chains
• Humanitarian supply chain resilience
• Big data for supply chain management in crisis situation

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