

ILS

Information Systems,
Logistics and
Supply Chain



THEMATIC SESSION: TS17

Title: Prevention-based approaches for humanitarian logistics in recurrent crises

Conference associated Topic: Emergencies and crisis logistics

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Abstract: Humanitarian logistics is a wide subject in literature, the main topics addressing classical famine-mitigation projects (non-disaster humanitarian logistics), disaster reaction and post-disaster humanitarian logistics. However, the notions of resilience and vulnerability mitigation, that need to be considered on a cyclical way (and so pre and post disaster) remain less studied in humanitarian logistics but are common in risk management related to natural hazards. The aim of this session is to address the key role of prevention and resilience in managing humanitarian logistics, mainly to mitigate the impacts of disasters at the crisis response stage and also to prepare logistics systems to reduce the post disaster phase of recuperation. Main topics (not limited) are:

- Warehouse management policies to anticipate post-crisis material convergence
- Platform location (pre-disaster) to react to disaster
- Logistics in vulnerability mitigation for sensible populations
- Collaborative strategies to coordinate and consolidate material convergence
- Flexibility approaches in route construction to deal with disruptions related to disasters
- Maturity approaches of humanitarian logistics facing disasters
- Risk management in humanitarian logistics strategic planning
- Preparedness, anticipation and education facing disasters

Keywords: *Emergences and Crises Logistics, Risk Management, Disaster Mitigation, Collaborative Logistics, Supply Chain Management under Disruptions*

