Workshop (W 1.7)

"Is logistics catching up the pace of emerging technologies?"

Madeira Island, Portugal

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Are emerging ICT technologies perceived as necessary or as threats?

In the last decades, the logistics sector has been in the target of several actions aiming to derive new operational and economical models that could enhance long-term sustainability and economic viability.

Complex value chains, low marginality, globalization effects, different transport modes, strict business obligations and demanding SLAs and finally the need for real-time response to unexpected situations (e.g. weather conditions, strikes, accidents, etc.) are all factors that highly influence the economic viability of a complex sector like logistics.

IT technologies provide several innovative solutions that could be successfully applied in logistics. However, the logistic sector seems to be lagging behind, apparently not capable to fully exploit the huge potential of new emerging technologies.

One of the hindering factors that is often considered is the inhomogeneity - for innovation potential, competencies and business models - of the supply chain stakeholders. A more critical aspect seems to be a disaggregated attitude in fostering innovation, which lacks to have a holistic view of the approach from technology adoption to business models.

This workshop aims to investigate the state of the art of emerging technologies adoption in the logistics sector. To what extent advanced ICT technologies like BigData, IoT, Virtual Agents, Machine Learning Platforms, Cloud computing, Artificial intelligence based Decision Management etc. are used in Logistics? Is the logistics sector aware of the possibilities that these technologies could bring along? Are them perceived as necessary or as threats? To discuss the current and future developments in the logistics domain, bringing together researchers, logistic companies, associations and IT solution providers.

Target Attendees

- Computer scientist, ICT for Logistics, Logistics operators

Chair:

- Margherita Forcolin, Leiden University (Netherlands)

Co-Chair:

- Dr. Ruben Costa (rddc@uninova.pt), UNINOVA - GRIS (Portugal)

Organizing Committee: