



Blockchain applications for logistics

March 25th 14.00 to 16:00 (CET)

alice | Alliance for
Logistics Innovation
through Collaboration
in Europe

ELU^{LTD}PEG

2021

- Blockchain has the potential to **disrupt the supply chain industry**
- A number of **promising initiatives** exist today in Europe
- **Yet the journey to success is long.** Technology and applications are new. Value creation is based on collaboration rather than head-on competition

The interest group will bring together the knowledge, expertise and experience of members that are operationally working with blockchain or plan to do so



Under which conditions blockchain is a suitable technology solution for logistics applications?

key advantages or specific conditions/pain points for which blockchain can be a competitive solution.

Barriers & Solutions: Share and discuss main barriers and hurdles as well as strategies to address them

Business applications:

Focus on platforms or use cases facilitating horizontal collaboration:

- Shared load carriers in open networks ([GS1 Germany](#), [RTI Blockchain](#))
- Supply Chain Visibility and Collaborative platforms ([TRADELENS](#), [Vinturas](#), [my e-customs](#), NAVIPORTA)
- E-freight documents and eFTI regulation (E&Y initiative)

Governance Models: developing best practices

- Joint Venture/Company with shareholders being the recipients of the services ([Vinturas](#))
- Platform providing a service based on blockchain ([TRADELENS](#), [RTI Blockchain](#), [my e-customs](#))

Development of collaborative projects

Technology and technological solutions for supply chain applications:

- Technologies vs applications

Legal aspects of Blockchain applications

- Terms of use, contract once and access all, peer to peer contracts.

**Supply Chain Visibility
Collaboration Platforms**

Company

Segment



Finished vehicles logistics



Maritime and Container
Logistics



Trade



International shipments

Sharing of load carriers (pallets, boxes, etc.)

Company/pilot

Segment



Pallet exchange



load
carrier administration

Building knowledge, creating connections and collaborations

- Gather ALICE/ELUPEG members active in the field of blockchain applications for logistics:
 - Identification of **use cases and pain points** tackled through Blockchain
 - Defining **key advantages or specific conditions for which blockchain can be a competitive solution**.
 - What are the main **hurdles**?
 - What are do's and **don'ts**?
- Discuss main challenges and potential next steps in the development of blockchain platforms: **When to choose for a blockchain application**
- Enable a framework for the **development of collaborative projects** with a focus on innovation implementation into (new) market solutions and scalability.
- Define R&I needs that need to be further explored. **Where R&I should focus on to overcome the hurdles and facilitate blockchain implementation.**



- Companies developing **blockchain solutions for logistics**.
- **User Companies** using solutions/willing to explore blockchain solutions for logistics.
- **Research centres** addressing specific challenges or with **solutions/prototypes**.
- **R&I projects using** the technology to test/develop solutions and concepts.

Provide **background information** through the following [survey](#)



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- **Every 6-8 weeks meetings** (90-120 min) focussed on specific topics according to Group Interest or to get 3 or 4 members in depth presentations
- **Open webinars** (as the one today) **every 4 months** to share group cases and advances to engage a broader audience.
- **Invite externals** to present their solutions/approach and engage in a discussion with them. *On demand.*



Meeting and webinar schedule

Based on the above we would like to ask you to reserve the following dates in your agenda:

October 27, 2020	Launching of the Group!
January 27, 2021	Topic: Barriers to use blockchain technology
February 25 th , 2021	Topic: Barriers to use blockchain and potential Solutions/strategies to overcome them
April 19 th , 2021	Topic: Defining priorities for next meetings

webinars:

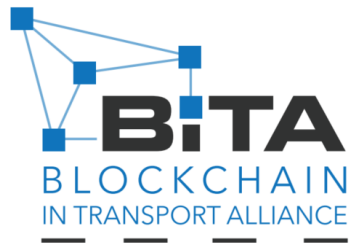
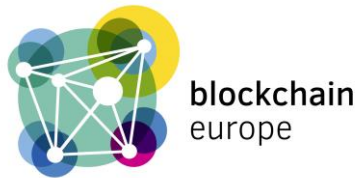
March 25 th , 2021 (14.00-16.00)	Topic: Operational applications of blockchain technology
June 2021 during IPIC meting	Topic: Blockchain applications for load carriers
October 2021	Topic: Research and innovation findings

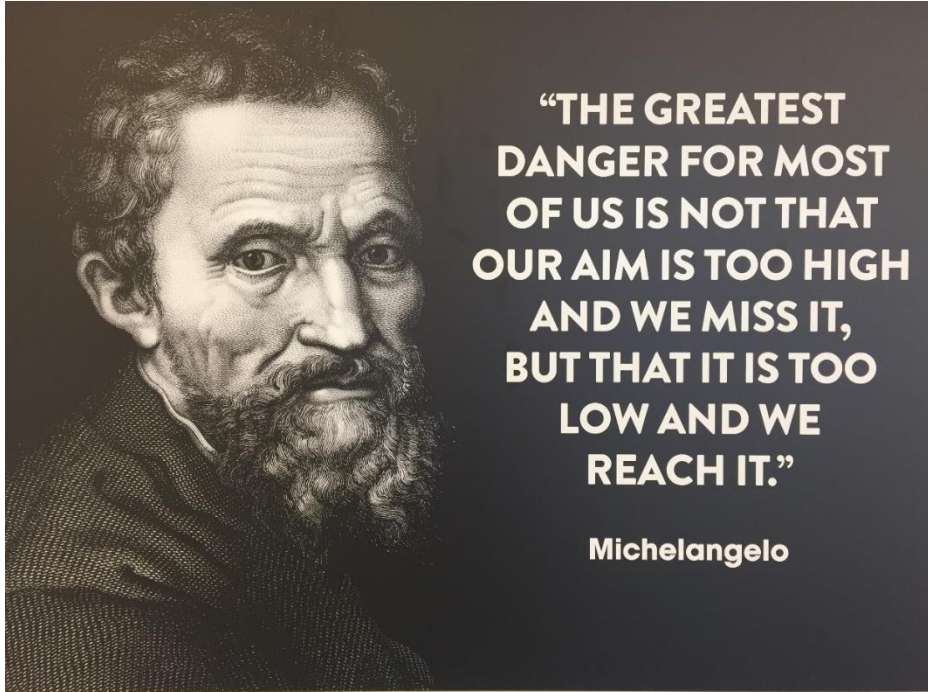
Keep Sharing News and Experiences with the Group! 😊





And you?





*Logistics innovation for a more
competitive and sustainable
industry*

Thank you!

The Best Way To Predict The Future Is To Create It!

Source: President Abraham Lincoln



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