Diffusion and Adoption of Humanitarian Logistics Digital Business Ecosystem (HLDBE): An Expert Perspectives

Questions

Q 1. What describes your gender type?

- Male
- Female
- Other (please specify)

Q 2. What region is your Institution/ University located?

- Africa
- Asia
- Europe
- Oceania
- North America
- South America

Q 3. Which of the following best describes your current position level?

- Doctoral Student
- Postdoctoral Research Assistantship/ Fellowship
- Assistant or Associate Lecturer
- Lecturer
- Senior Lecturer
- Associate Professor
- Professor
- Emeritus Professor
- Other (please specify)

Q 4. What research area falls within your research expertise?

- Humanitarian Logistics
- Logistics Management
- Supply Chain Management
- Business Ecosystem
- Supply Chain Management Platform
- Logistics Management Platform
- Business Ecosystem Platform
- Big Data Analytics
- Diffusion of Innovation
- Institutional Theory
- Technology Organisational Environment framework (TOE)
- Other (please specify)

Q 5. How long have you been working in your field of research?

- 0 - 4 years
- 5 - 9 years
- 10 - 14 years
- 15 - 19 years
- 20 years or more

Q 6. Organizational culture is seen as one contributing factor in the adoption of new innovation by organizations/firms. With that, which of the following cultural type will you describe as the best organization culture type for Humanitarian-Business Logistics actors' collaboration through the adoption of HLDBE?

- **Clan** - is a family-like culture that focuses on value creation through the collaboration, commitment and loyalty of employees/ people to improve performance. The objective is on internal collaboration.
- **Adhocracy** - focus on value creation through adaptable, flexible external and organic factors tailored towards performance improvement. The objective is on product/ service creation.
- **Hierarchy** - focus on value creation through control, organizing, coordinating and monitoring of people and process utilized to achieve performance. The objective is on internal control and integration.
- **Market** - focus on value creation through external relationships to achieve success through differentiation derived from partnerships between others in the market. The objective is on the external competition and productivity.
- Other (please specify)

Organisational Culture (OC)

Q 7. Organizational culture is seen as one contributing factor in the adoption of new innovation by organizations/firms. With that, which of the following cultural type will you describe as NOT the best organizational culture type for Humanitarian- Business Logistics actors' collaboration through the adoption of HLDBE?

- **Functional** - Medium of reporting by employees are structured by their functional responsibility and tasks.
- **Divisional** - Medium of reporting by employees are structured by product/ service types.
- **Matrix** - The combination of both functional and divisional structure.
- Other (please specify)

Organisational Structure (OS)

Q 8. Creating a hybrid humanitarian- business logistics actor HLDBE will demand some financial support, which of these investors are they likely to invest in HLDBE? (check all that apply)

- Philanthropist
- Company / government Donors
- Crowdfunding
- Venture Capital
- Banks
- Angle Investors (individual entrepreneur with a net value of more than $ 1 million, willing to invest in a venture)
- Other (please specify)

Mean_0f_Financial_Support

Q 9. Considering the factors of adoption, government policies, infrastructures, technology, and environmental conditions, what continent is likely to encourage humanitarian organisation and business logistics companies in adopting HLDBE?

- Asia
- Africa
- Europe
- North America
- South America
- Oceania

Q 10. Please indicate how much you agree or disagree with each of the following statements based on a 5 point Likert scale of 1- 5. where 1 indicates very negative and 5 indicates very positive.

- Reduction of Operational Costs PRA1
- Improve Financial Performance PRA2
- Optimisation of Operational activities PRA3
- Improvement of Productivity PRA4
- Improve Access to Information Sharing PRA5
- Improved Quality of Decision Making PRA6
- Improve Competitiveness PRA7
- Improve Coordination and Collaboration with other organisations/ companies PRA8
- Improve service to affected persons/ customers PRA9
- Improve response time/ turnaround time of request(s) of affected persons/ Customers PRA10

Q 11. With insight from the definition of HLDBE above, please indicate how much you agree or disagree with each of the following statements based on a 5 point Likert scale of 1- 5. where 1 indicates strongly disagree and 5 indicates strongly agree.

- Adopting HLDBE among humanitarian logistics organization and business logistics company will increase the profitability of organization/ company. PRA11
- Adopting HLDBE among humanitarian logistics organization and business logistics company will allow for reduced operational costs. PRA12
- Adopting HLDBE among humanitarian logistics organization and business logistics company will allow an organization/ firm to enter into a collaborative platform(s) that would encourage the expansion of new humanitarian operations/ businesses markets. PRA13
- Adopting HLDBE among humanitarian logistics organization and business logistics company will allow organization/ firm to communicate well with stakeholders (beneficiaries thus affected persons, donors, and or customers). PRA14
- Adopting HLDBE among humanitarian logistics organization and business logistics company will require no up-front capital. PRA15
- Adopting HLDBE among humanitarian logistics organization and business logistics company will provide dynamic and high service availability. PRA16

Q 12. Please indicate how much you agree or disagree with each of the following statements based on a 5 point Likert scale of 1- 5. where 1 indicates strongly disagree and 5 indicates strongly agree.

- Humanitarian-business logistics operators employing HLDBE will help create/ develop/ innovate new market product or ideas PRA17
- Humanitarian-business logistics operators employing HLDBE will encourage capacity sharing PRA18
- Humanitarian-business logistics operators employing HLDBE will help them reduce operational risk PRA19
- Humanitarian-business logistics operators employing HLDBE will encourage sustainability PRA20
- Humanitarian-business logistics operators employing HLDBE will encourage economic growth and development PRA21

Q 13. Please indicate how much you agree or disagree with each of the following statements based on a 5 point Likert scale of 1- 5. where 1 indicates very negative and 5 indicates very positive.

- Ecosystem Platform Competition among Members PD1
- Platform Dominance of Big Players PD2
- Differences in Corporate/ Organizational Culture PD3
- Data Security Risk PD4
- Information Asymmetry among Platform Users PD5

Q 14. Please indicate how much you agree or disagree with each of the following statements based on a 5 point Likert scale of 1- 5. where 1 indicates strongly disagree and 5 indicates strongly agree.

- The cost of acquiring HLDBE will not likely have an effect on its adoption PD6

Please indicate how much you agree or disagree with each of the following statements based on a 5 point Likert scale of 1- 5. where 1 indicates strongly disagree and 5 indicates strongly agree.

- Using HLDBE will serve as a useful tool for humanitarian-business logistics operation. PU1
- Using HLDBE will not serve as a useful tool for humanitarian-business logistics operation. PU2
- HLDBE ease of use encourages it adoption by actors PC1

Q 15. Please indicate how much you agree or disagree with each of the following statements based on a 5 point Likert scale of 1- 5. where 1 indicates strongly disagree and 5 indicates strongly agree.

- Top level management of business logistics companies will consider the adoption of HLDBE as an important tool for sustaining its operations and growth. D_TLMS1
- Top level management of humanitarian logistics organisation will consider the adoption of HLDBE as an important tool for sustaining its operations and growth. D_TLMS2
- Donors of humanitarian logistics capacities will support the adoption of HLDBE as an important humanitarian logistics sustainable tool for relief response. D_TLMS3

Q 16. Please indicate how much you agree or disagree with each of the following statements based on a 5 point Likert scale of 1- 5. where 1 indicates strongly disagree and 5 indicates strongly agree.

- Local/ national legislative laws are more likely to hinder humanitarian -business logistics actors from adopting HLDBE. LG1
- Different organization/firm governing laws and mandate are more likely to hinder humanitarian -business logistics actors from adopting HLDBE. LG2

Q 17. Please rate the following items based on how important they will be for humanitarian- business logistics actors to collaborate well under the HLDBE, based on a 5 point Likert scale, where 1 indicates Not at all Important and 5 indicates Extremely Important.

- Domestic and national law governing humanitarian- business logistics actors LG3
- International law such as ILO, ISO, and others governing humanitarian- business logistics actors LG4
- Humanitarian laws and principles LG5
- Corporate laws and regulations LG6

Q 18. Please rate the following items based on how important they will be for humanitarian- business logistics actors to collaborate well under the HLDBE, based on a 5 point Likert scale, where 1 indicates Not at all Important and 5 indicates Extremely Important.

- Cable network internet connectivity IE1
- Internet Broadband and Satellite connectivity IE2
- Mobile phone platforms system for tablet platform and smart phone platform IE3
- Platform collaboration application for collaboration and communication IE4
- Cloud computer platform for storage, analysing and reporting data IE5
- Social media platform for promotion, collections, storage and analysis of data IE6
- ICT and or data science expert to man the HLDBE IE7

Q 19. Please indicate how much you agree or disagree with each of the following statements based on a 5 point Likert scale of 1- 7. where 1 indicates strongly disagree and 5 indicates strongly agree.

- Infrastructure support does not have an effect in adopting HLDBE IE8

Q 20. Please rate the following items on the list based on how important they are for humanitarian- business logistics actors to collaborate well in the HLDBE, based on a 5 points Likert scale, where 1 indicates Not at all Important and 5 indicates Extremely Important.

- Transparency in HLDBE PSSC1
- Accountability in HLDBE PSSC2

Q 21. Please indicate how much you agree or disagree with each of the following statements based on a 5 point Likert scale of 1- 5. where 1 indicates strongly disagree and 5 indicates strongly agree.

- Safety and security risk such as data security poses as an obstacle in adopting HLDBE by actors PSSC3