

Blog post YAGHMA – December 2024

Social lab workshops: identifying barriers to the implementation of LUCIA technologies in lung cancer screening

What is a Social lab?

Social Lab is a collaborative, participatory method used to address complex challenges by bringing together diverse stakeholders. It involves collectively identifying barriers, brainstorming solutions, and developing actionable recommendations through structured discussions and activities. The goal is to foster shared understanding and create practical strategies for overcoming challenges.

Our work within the LUCIA project

Our aim with these workshops was to identify barriers to the implementation of LUCIA technologies in lung cancer screening, to be able to prioritise them and find solutions collaboratively with engaging different types of stakeholders as well as the LUCIA consortium.

Two Social lab workshops have been organised, one in May 2024 connected to the LUCIA Consortium meeting in Mannheim, and one in June 2024 online for stakeholders and representatives of other lung cancer research projects. Participants were asked to imagine a hypothetical future, 5 years after the end of the LUCIA project, and to brainstorm on potential barriers that may hinder the effective implementation and use of LUCIA technologies, as well as to predict potential unfavourable effects to mitigate. By identifying and later prioritising barriers, we aim to form a set of recommendations to avoid these challenges in the future in different healthcare systems. The main methodological steps can be found in Figure 1.



Figure 1: Process and timing of forming recommendations for the real-life implementation of LUCIA technologies

On the Social lab workshop for LUCIA partners in May 2024, 32 participants attended (n=29 face-to-face and n=3 online participants) while for the one in June 2024, 20 participants joined representing European stakeholder organisations and EU projects from the field of lung cancer, together with 10 LUCIA partners (Figure 2).

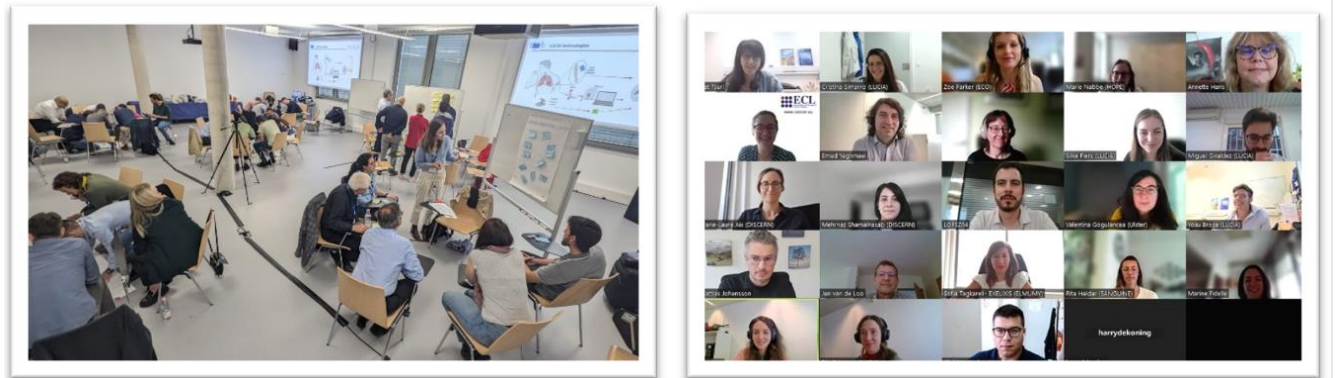


Figure 2: Social Lab Workshop settings in Mannheim, Germany, 7 May 2024 for face-t-face participants (on the left) and online, 5 June 2024, online (on the right)

Both Social lab workshops used the World café method, dividing the participants into smaller groups to enhance multi-stakeholder discussions. Participants were asked to collect and categorise barriers to implementing LUCIA technologies on both workshops. In total, 279 barriers have been collected. After analysing them, a final set of 80 barriers were listed in 10 categories as follows:

1. Scientific and technological (n=7)
2. Socio-cultural (n=2)
3. Education, engagement and communication (n=9)
4. Ethical (n=10)
5. Feasibility of implementation (n=22)
6. Financial (n=8)
7. Regulation (n=6)
8. User experience and acceptance (n=9)
9. Trust (n=5)
10. Environmental (n=2)

A prioritisation survey was then conducted to focus on the barriers having the highest potential impact for the implementation of LUCIA technologies in real-life, while creating the strategy for LUCIA and recommendations for implementation.

All barriers identified, with priority scores and recommendations will be published and openly available on the [LUCIA website](#).

If you are representing any stakeholder group, organisation or other lung cancer/ cancer screening related project out of our reach, please reach out to us and we will be happy to include you in the following steps of finding potential solutions for the identified barriers.

Please note your interest through the LUCIA open call for interest form: <https://forms.office.com/r/rJ8cLAXDct> or write to Ivett Jakab, Research project manager at [YAGHMA \(ij@yaghma.nl\)](mailto:ij@yaghma.nl).



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