

More on Action Line 4:  
Societal Impact of Quantum Technologies

Victor Land  
[victor.land@livinglabquantum.nl](mailto:victor.land@livinglabquantum.nl)



# Societal Impact in Quantum Delta NL

Big national ambitions:

- develop technology testbeds
- develop use cases/applications
- create world leading ecosystem
- grow wealth and well-being

Strongly driven by:

- cutting edge R&D
- ecosystem development
- broad talent development
- infrastructure & labs
- **Societal Interaction/ Impact**



# Action Line 4: Societal Impact - Budget

Reserved  
Pending  
Mid-Term  
Review of  
Programme

Allocated

Organization/(r  
esearch)  
projects/  
Meetings/  
International  
Research  
Tools/Helpdesk  
Legal/Policy  
guidelines  
NL/EU

	2021	2022	2023	2024	2025	2026	2027	Inzet groeifonds
<b>Actielijn 4 Maatschappelijke impact</b>								
Living Lab	0,5	1	1	1	1	1	1	6,5
Leerstoelen		2	2,5	1,25	0,5	0,5	0,25	7
Loket	0,5	1	1,25	1	1	0,5	0,25	5,5
Convenant		0,25	0,5	0,25				1
<b>Totaal</b>	<b>1</b>	<b>4,25</b>	<b>5,25</b>	<b>3,5</b>	<b>2,5</b>	<b>2</b>	<b>1,5</b>	<b>20</b>



# Living Lab Quantum and Society



## Research

- socially responsible applications
- societal readiness & understanding
- ethical and legal aspects

## Co-creation (research) projects

- joint projects
- creation of tools for society and business

## Quantum Society & Innovation Support

- provide guidance to society about quantum technology
- disseminate toolkits for business and startups
- startup support





Joris van Hoboken, UvA  
Ethical/Legal Aspects



Pieter Vermaas, TUD  
Design for Values



Julia Cramer, U Leiden  
Science Communication  
and Society



Deborah Nas, TUD  
Responsible Research  
& Innovation



Ulrich Mans, QDNL  
International Strategy



Daniël Frijters, ECP  
Toolkits, dissemination,  
helpdesk



Victor Land, QDNL  
Program Manager



**CURRENT TEAM**  
**(senior members)**



- Clear links to societal aspects of fundamental Quantum Technology research and innovation and Responsible Research & Innovation  
**(Action Line 1)**
- Clear links to responsible Entrepreneurship and startup support  
**(Action Line 2)**
- Clear links to talent development, life long learning, education in society  
**(Action Line 3)**
- Clear link to technology and application development for the benefit of society in **CAT programs**



## Current Challenges:

- Developing a coherent program in line with the proposal, taking the 3 + 4 year funding reality into account
- Involving societal parties/governments and industry
- Creating an open co-creation space, inviting broader participation within the boundaries of the current proposal
- Community building
- Creating active links throughout the program
- Governance and execution structures for the Action Line





Contact us when you want to partake in developing quantum technologies and applications for the benefit of society!

Victor Land  
Coördinator Action Line 4

[victor.land@livinglabquantum.nl](mailto:victor.land@livinglabquantum.nl)

[www.livinglabquantum.nl](http://www.livinglabquantum.nl)

