



Results of the STAND4EU Questionnaire & Interviews

15 November 2023
10:45 – 11:00 CET



This project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No 101070229 – STAND4EU



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What we did

- Ethical approval obtained from Brunel, ensuring GDPR compliance and data protection for:
 - Online Survey 120 (**184**) Surveys
 - Online Interviews 40 (**45**) interviews
- To understand key obstacles hampering standardisation efforts (D.1.2 Report)



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What we asked (Survey)

Online Survey: Survey Questions

1. I have read the Participant Information Sheet included with this questionnaire
2. I am over the age of 18
3. I understand that no personal identifying data is collected in this study, therefore I know that once I have submitted my answers I am unable to withdraw my data from the study
4. I agree that my data can be anonymised, stored and used in future research in line with Brunel University's data retention policies
5. I agree to take part in this study
6. Which of the following age categories do you fall into?
7. What work experience do you have?
8. Which kind of stakeholder category do you represent?
9. What is your role in your Organisation?
10. What is your Organisation's Name?
11. Where is your Organisation based?
12. Which of the four technological domains are you involved in? (You can select more than one)
13. How well does the use of standards support emerging technologies (such as AI, blockchain, additive manufacturing etc) in the EU/UK?
14. Do standards constrain innovation?
15. To what extent do you agree that there is a need for training and coaching on standardisation?
16. There is a need to examine the needs of small and medium-sized businesses in joint research on standards and standardisation.
17. Have you participated in an EU or nationally-funded research project?
18. Have you considered the use of current standards as part of your project to determine whether any will be useful?
19. Why hasn't your organisation considered the use of standards as part of your project?
20. The standardisation process involves 8 phases. If you are involved in any of these phases, please describe the obstacles
21. What were your project's primary motivations for addressing standardisation?
22. Have you worked together with Standards Developing Organisations (SDOs) OR National Standards Bodies (NSBs) on projects? (Examples of SDOs – ISO, IEC, CEN; Examples of NSBs – DIN, BSI, AFNOR, etc.)
23. How involved was the NSB / SDO in the project?
24. Has your project directly or indirectly been involved or resulted in a specific recommendation or proposal for the development of new or revised standards?
25. SDOs should be allowed to broaden their service offerings for R&D projects and investigate innovative approaches to better synchronise standardisation with R&D.
26. It is necessary to establish a foundation (one-stop shop) to develop evidence-based indicators reflecting the performance of R&D in relation to standardisation efforts
27. To what extent do standards or standardisation activities have an impact on your Organisation's processes/ project activities?
28. How important is standards to your organisation's innovation activities?
29. Has your organisation used or implemented standards?
30. Identify the obstacles that your organisation encountered while implementing or using standards.
31. Have decisions in your organisation been affected in any way by SDOs or NSBs?
32. Is your organisation in contact with any of the standard body(ies) in your country?
33. Does your organisation participate in any Technical Committee or is involved in the development of standards?
34. Why is your organization not involved in the development of standards?
35. At what level you are involved in the development of standards? Tick as many as applicable
36. Do you think the Technical Committee is fully aware of the relevant technological, research and innovation developments?
37. What could be further done to improve the participation of stakeholders and links with the latest developments in the sector and standardisation work? Lower fees for participation
38. Would you like to participate in an interview?



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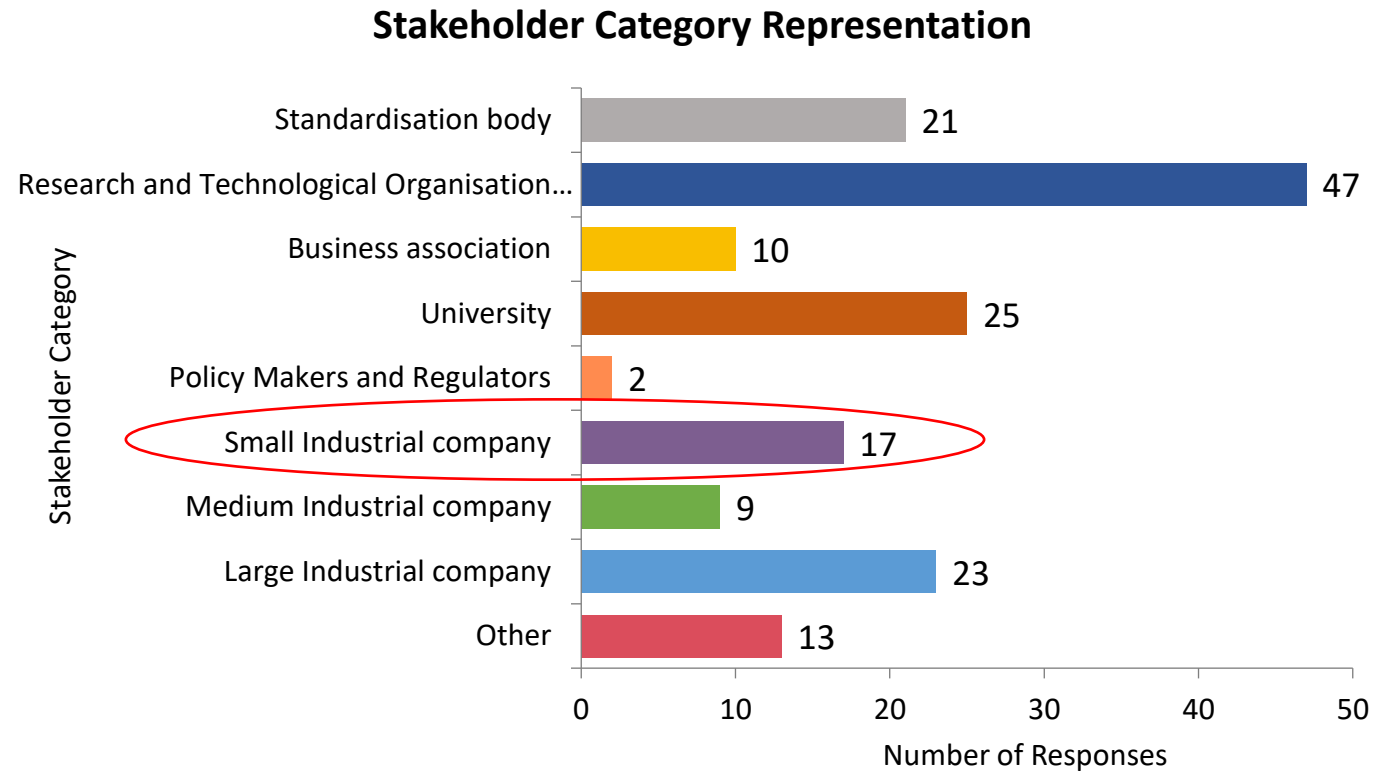


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Demographics: Survey Results

Q8. Which kind of stakeholder category do you represent?



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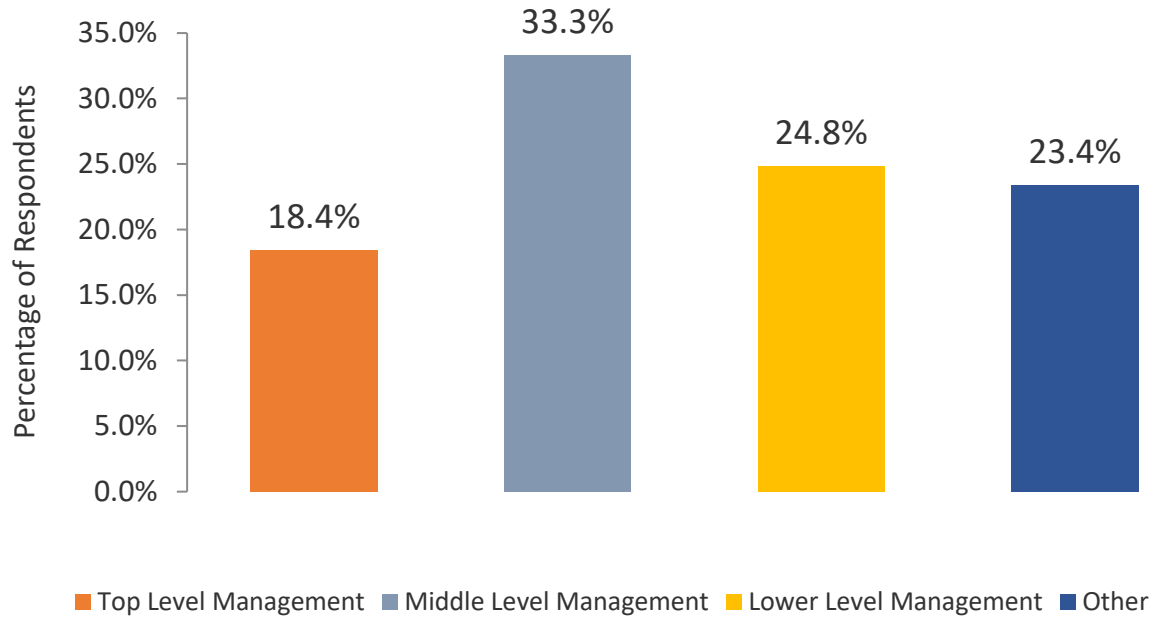
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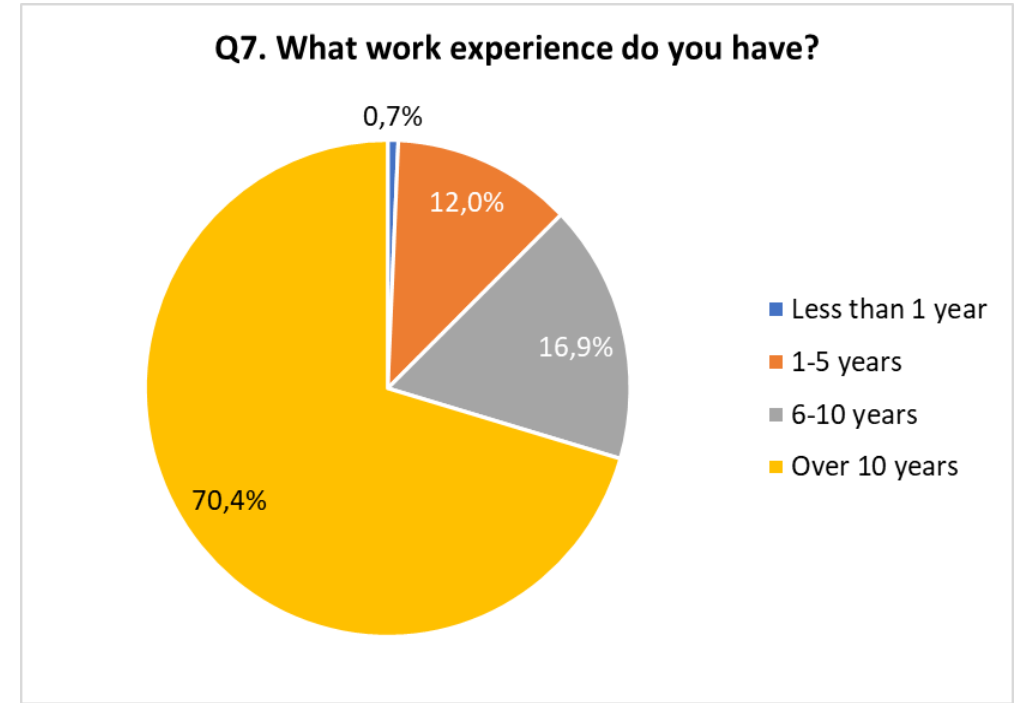
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Demographics: Survey Results

Q9. What is your role in your Organisation?



Q7. What work experience do you have?



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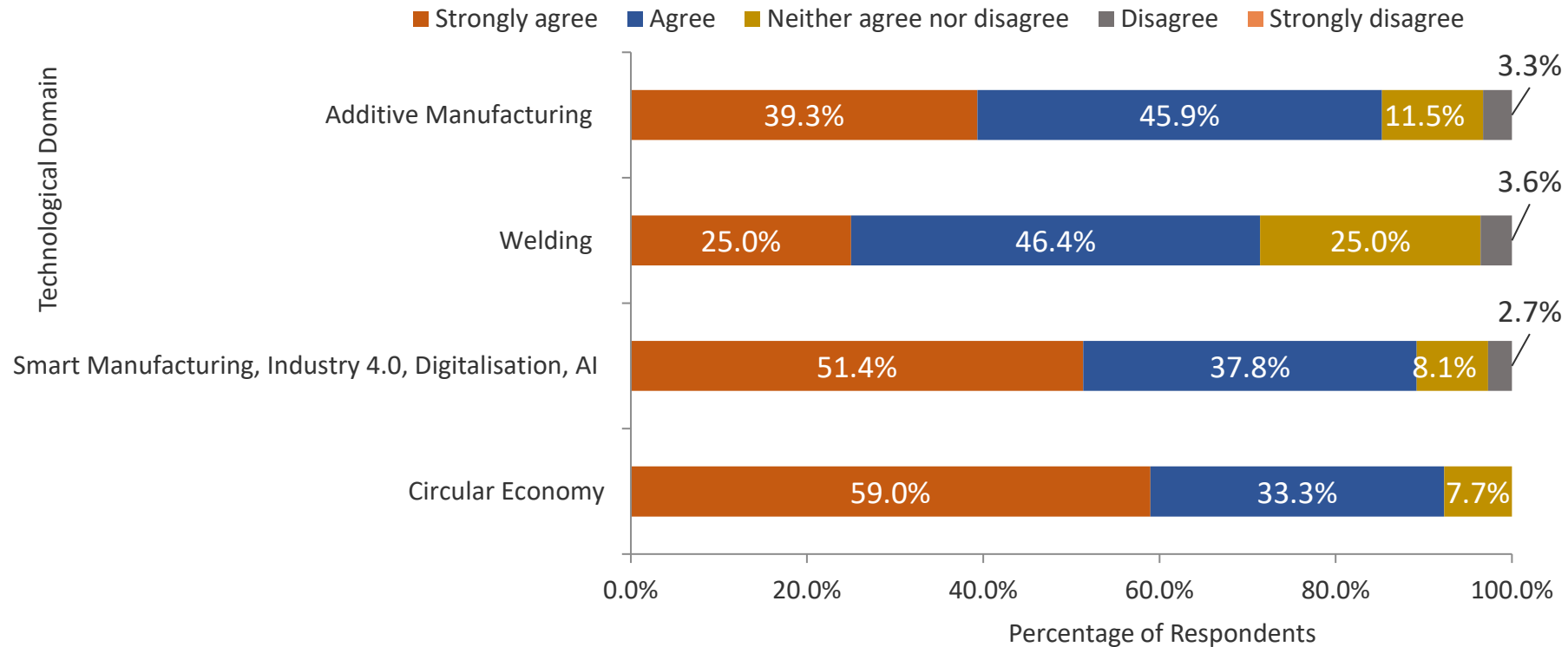
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Insights from Survey Results

The Views of Respondents on the Need to Examine the Needs of Small and Medium-Sized Businesses in Joint Research on Standards



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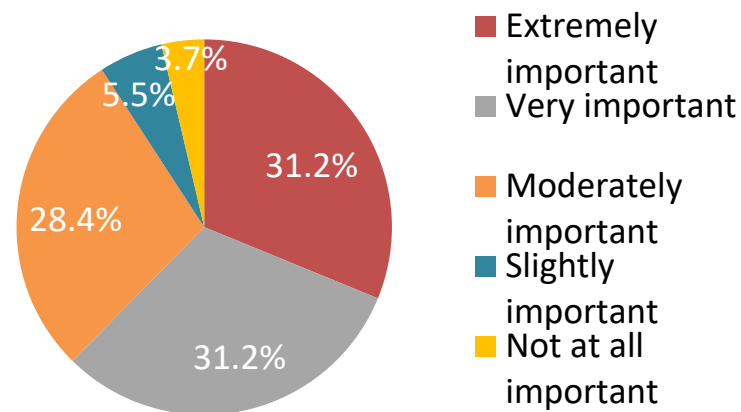


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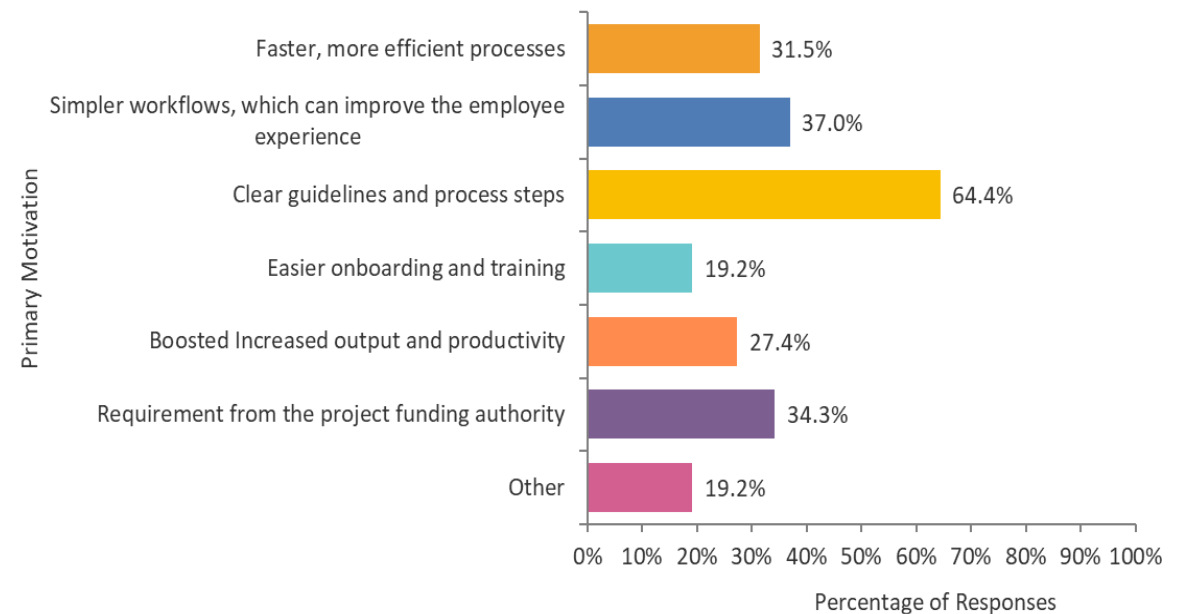


Insights from Survey Results

Majority of Respondents Believe Standards are Extremely Important to an Organisation's Innovation Activities



Q21: What were your project's primary motivations for addressing standardisation?



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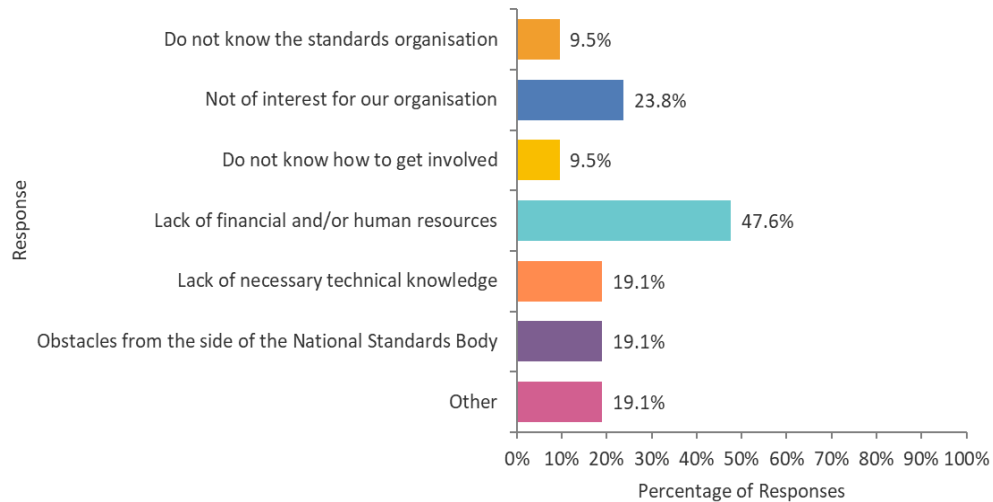
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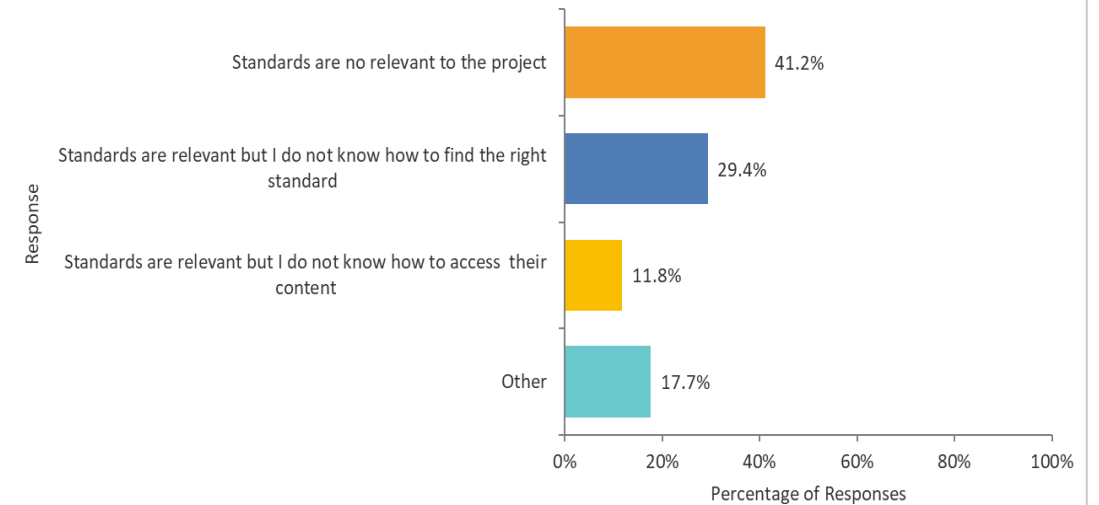
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Insights from Survey Results

Q34: Why is your organisation not involved in the development of standards?



Q19: Why hasn't your organisation considered the use of standards as part of your project?



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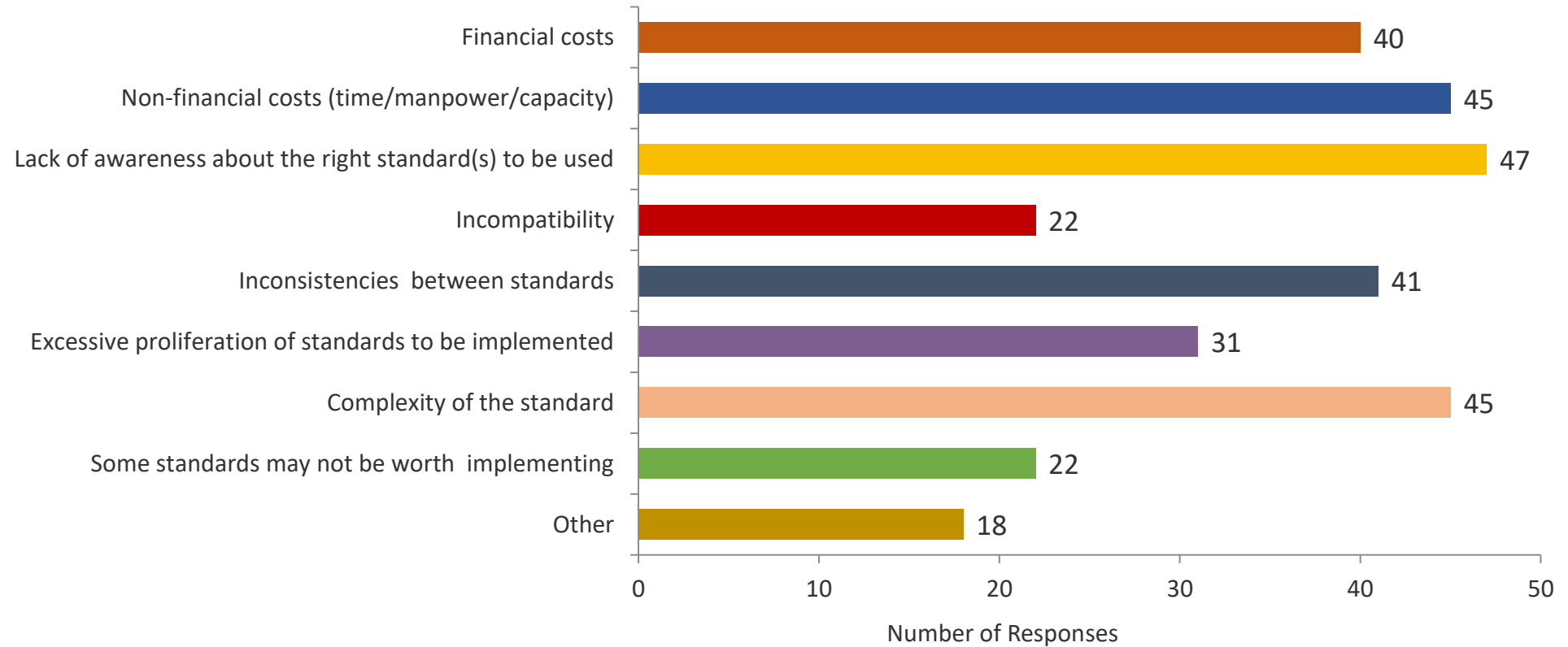
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Insights from Survey Results

Q30. Identify the obstacles that your organisation encountered while implementing or using standards



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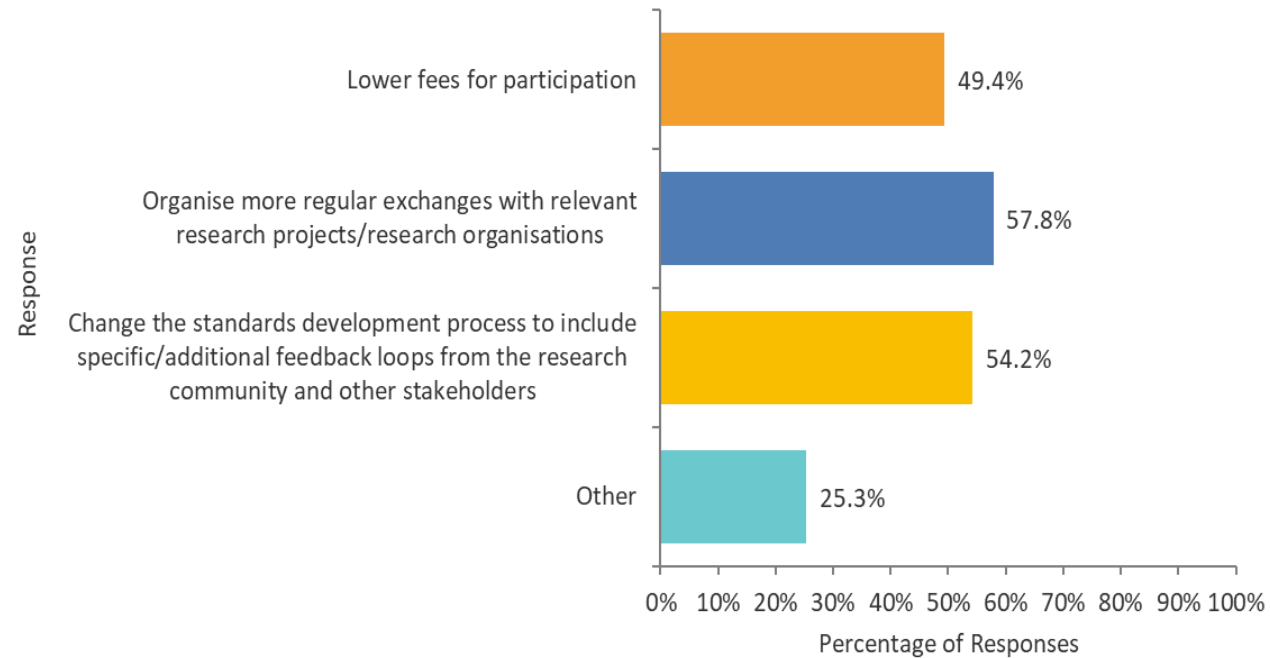
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Insights from Survey Results

Q37: What could be further done to improve the participation of stakeholders and links with the latest developments in the sector and standardisation work?



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What we asked (Interviews)

Interview Questions

1. Which of the following age categories do you fall into?
2. What work experience do you have?
3. Which kind of stakeholder category do you represent?
4. What is your Organisation's name?
5. Where is your Organisation based?
6. What is your role in your Organisation?
7. Which of the four technological domains are you involved in?
8. Has your organisation implemented the use of standards? Specify examples. Also, has your organisation used or implemented standards?
9. What obstacles have your organisation encountered during the standardisation development life cycle (SDL) phases?
10. Do you feel that there is a gap (anything missing) in standardisation in your domain? E.g. technological, processes and products, etc. Have you faced any difficulties?
11. What were your organisation's primary motivations for addressing standardisation?
12. Did standards or standardisation activities have an impact on your Organisation's processes/ project activities? Can you provide some examples?
13. Do you think that standards constrain innovation? If so, please identify some of the constraints that your organisation has encountered?
14. Are you aware of any existing approaches and processes that engage actors to develop standards?
15. What factors influence the development or adoption of standards for emerging technologies in your organisation/ 4 domains?
16. Please provide some suggestions for improvements in the standardisation process?



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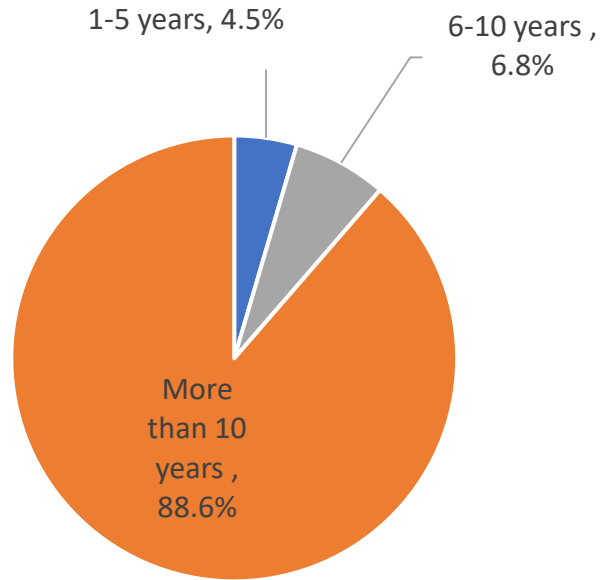
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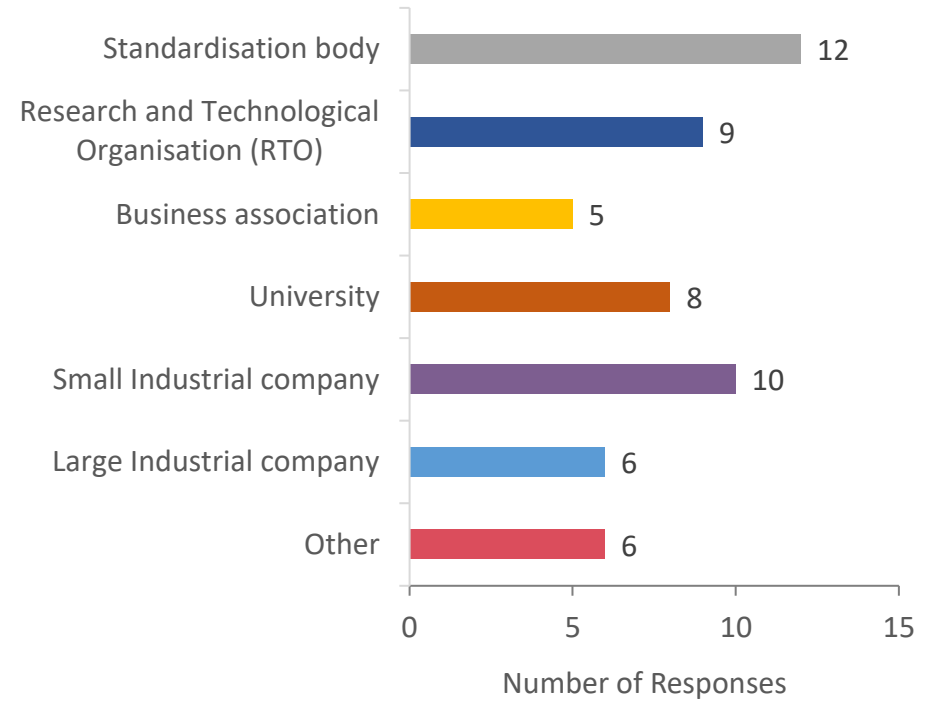
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Demographics: Interview Results

Level of work experience



Stakeholder category



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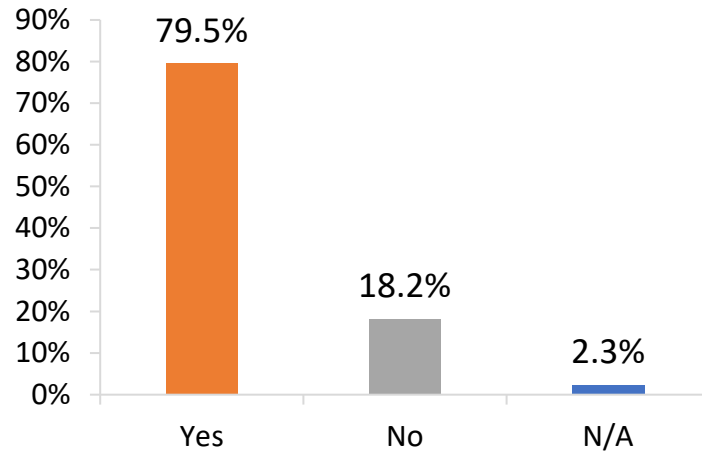
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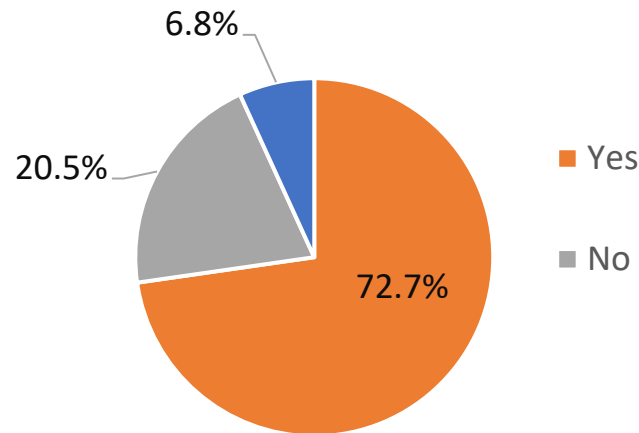
Insights from Interview Results

Q10. Is there a gap in standardisation in your domain? Have you faced any difficulties?



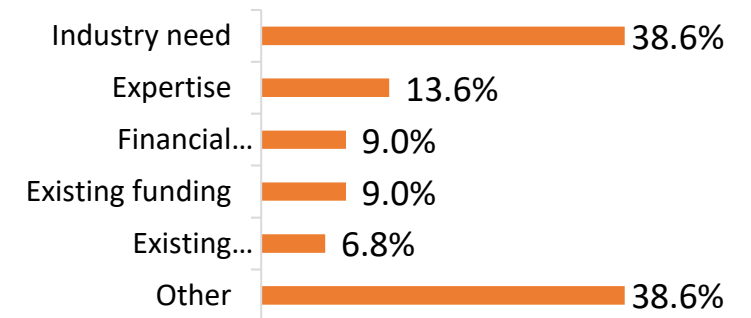
*Examples of gaps include: Lack of published documents, standards not being mandatory, lack of standards in circular economy, no uniformed procedures due to lack of standards, etc.

Q12. Did standards or standardisation activities positively impact your organisation's processes / projects?



*Examples: building an audit system, following best practice, following legislation affecting the products requiring standardisation, making the process more formal, etc.

Q15. What factors influence the development or adoption of standards for emerging technologies in your organisation/ 4 domains?



*Examples: political impact, the speed of technology development, trust inside the industry, trust from the end user, sustainable development, quality control, the readiness of standards, SMEs representation, risk regulation, increased data sharing, etc.



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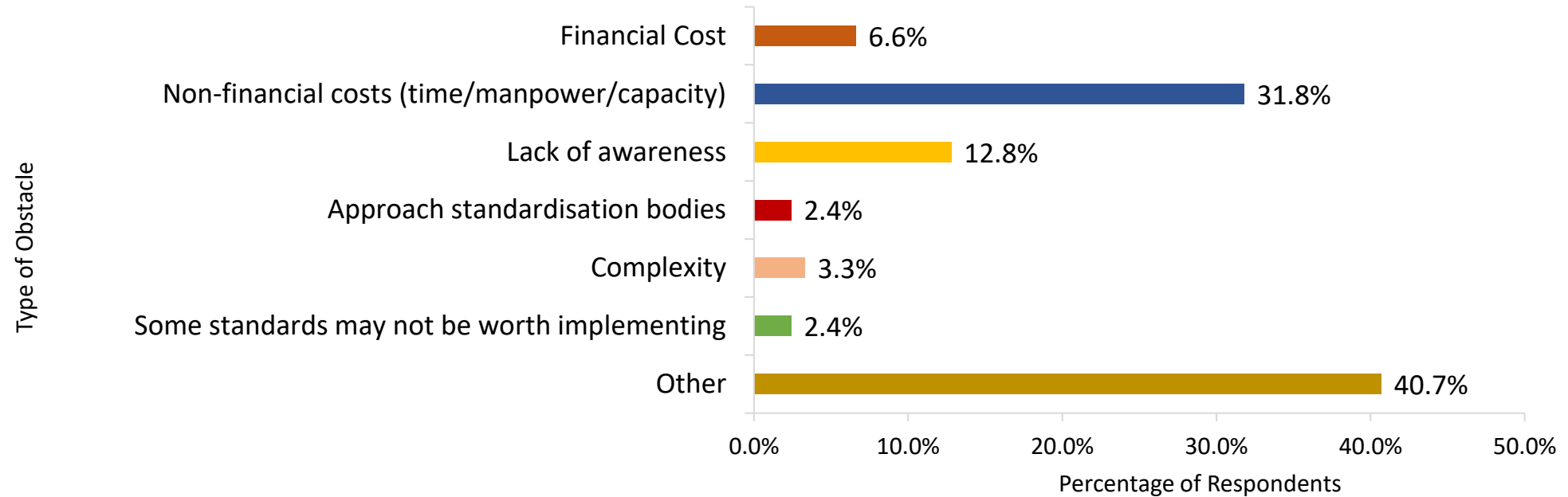


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Insights from Interview Results

What obstacles have your organisation encountered during the standardisation development life cycle (SDL) phases?



*Other categories include: the amount of comments on standards drafts, keeping track of what is published, lack of access to all standards, making dialogue with other companies, gaining support from the community, getting a consensus during the voting process, the difficulty of developing a standard in a language they are not native in, finding the correct project leader, and the lack of marketing.



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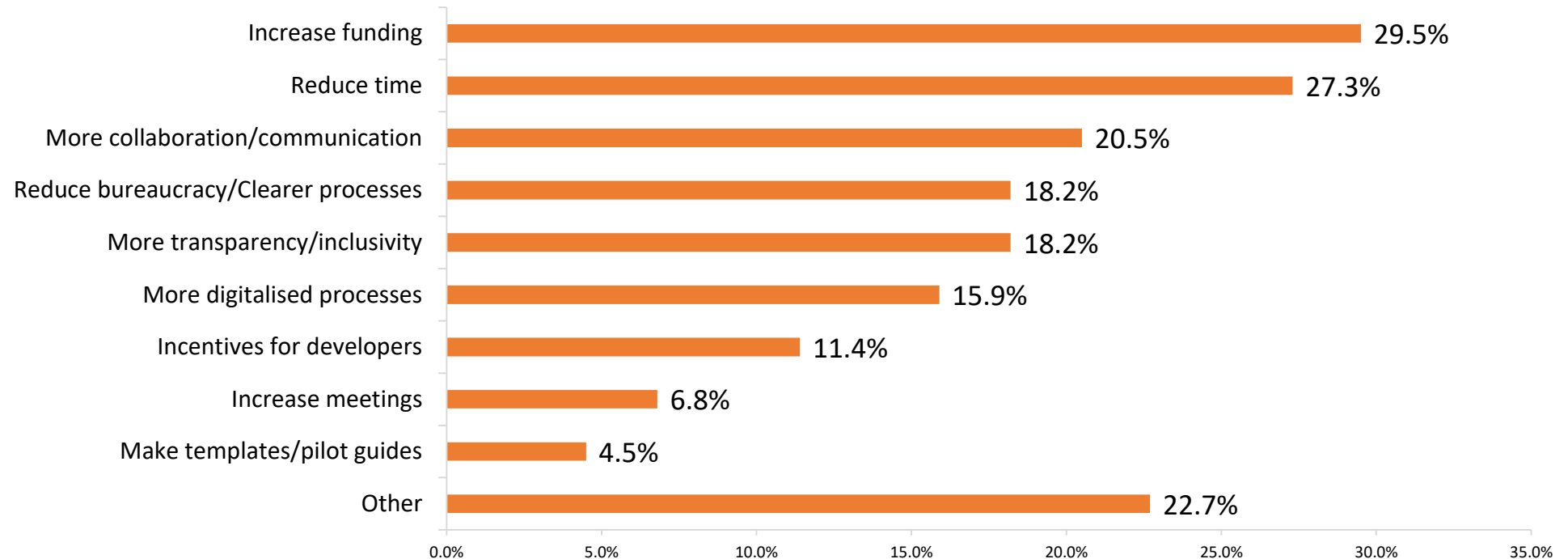
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Insights from Interview Results

Please suggest improvements in the standardisation process



*Examples: Developing standards to motivate consumers to use a product, publishing standards in a minimum viable form and updating them later, making a platform to find standards easier, avoiding duplication of work through information-sharing across projects, aligning standards with values of the civil society, creating a body to write routine reports on standardisation, and creating machine-readable systemic standards.



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Thank you!



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