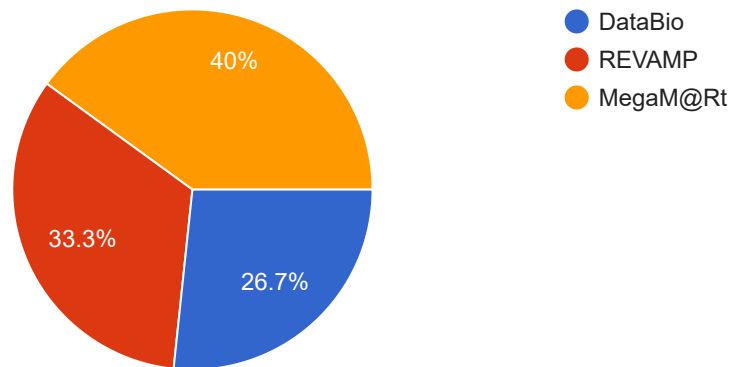


Survey on Model-based Requirements Engineering in Research Projects

15 responses

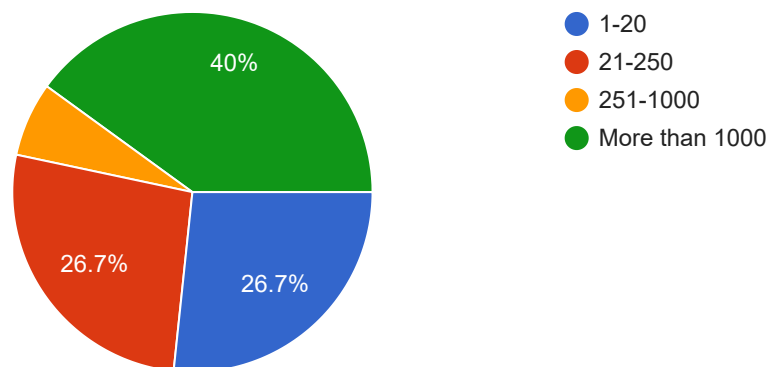
In which project did you participate?

15 responses



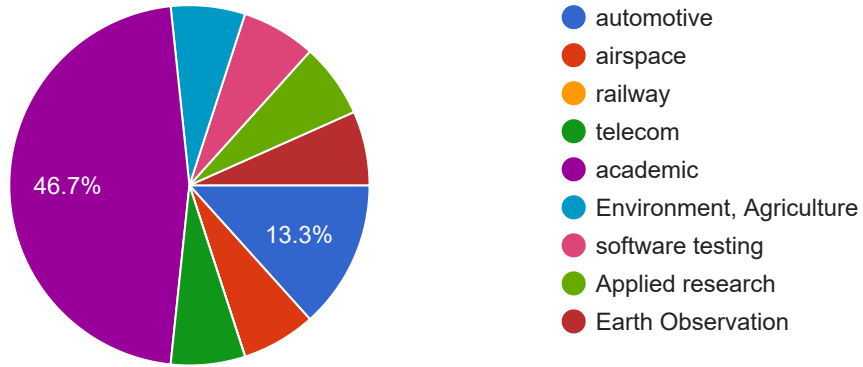
Size of your organization (in personnel count)

15 responses



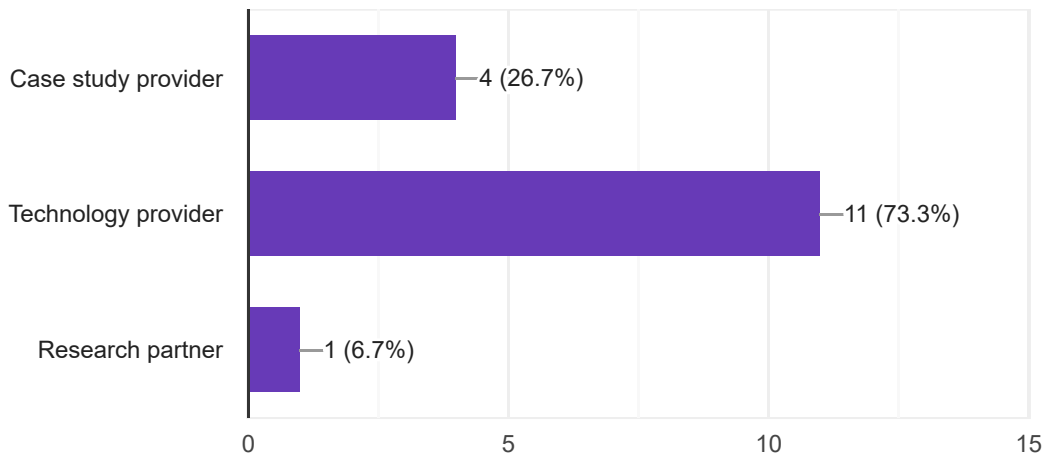
Domain of your organization

15 responses



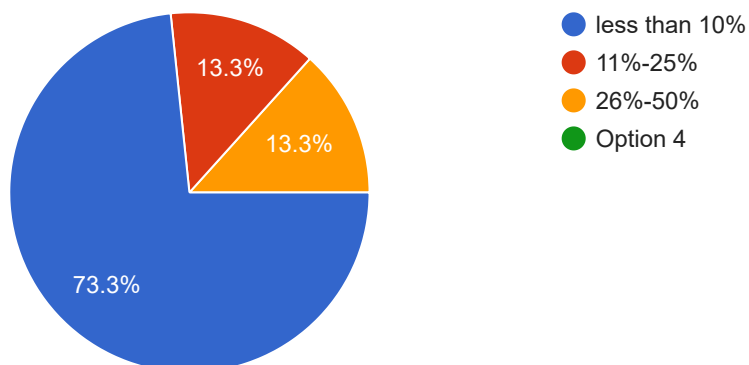
Role of your organization

15 responses



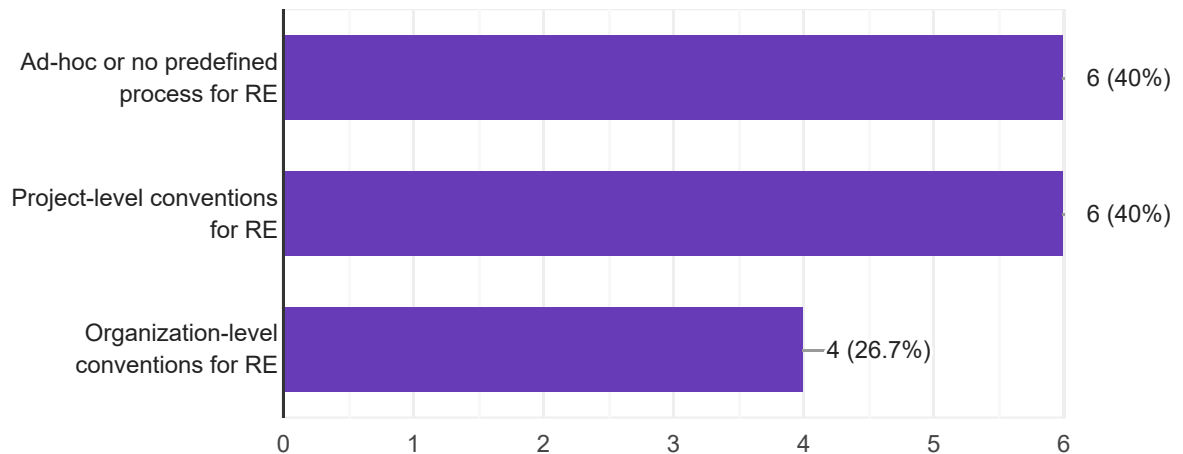
How much of working time does your team typically allocate on creating and maintaining RE documents?

15 responses



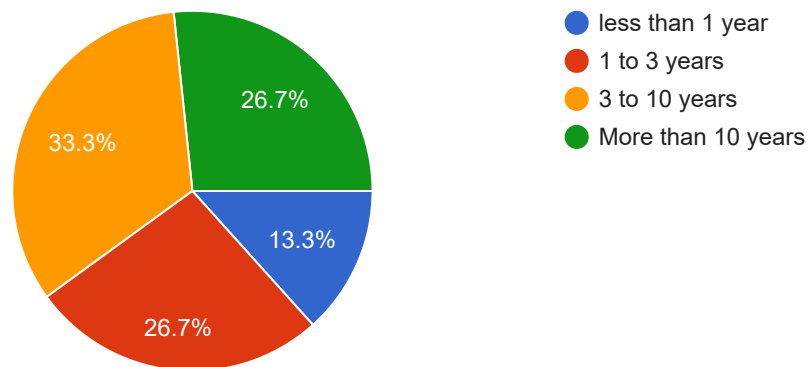
Do you follow any specific conventions or processes for requirements engineering (RE) in your organization?

15 responses



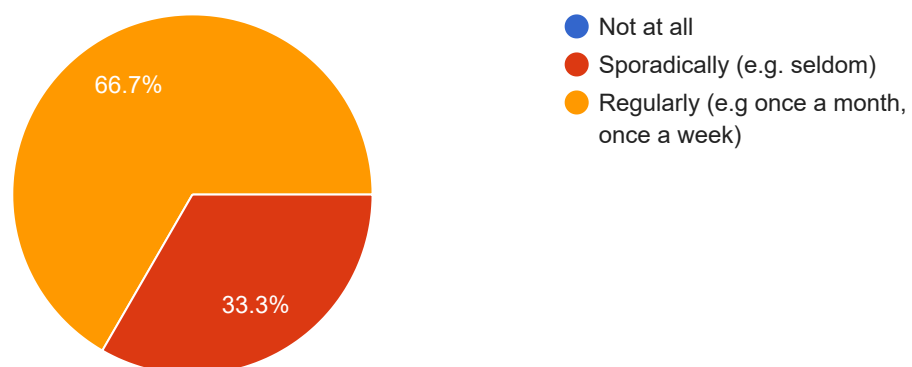
Your personal level of experience with Requirements Engineering (RE)

15 responses

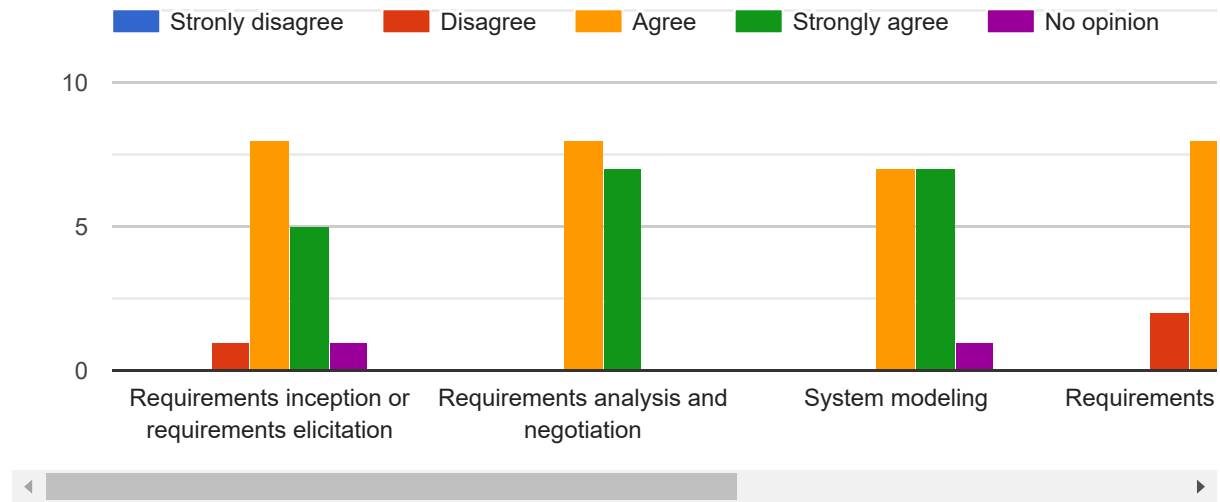


How often are you involved in architecture modelling, e.g. in UML, BPMN or ArchiMate?

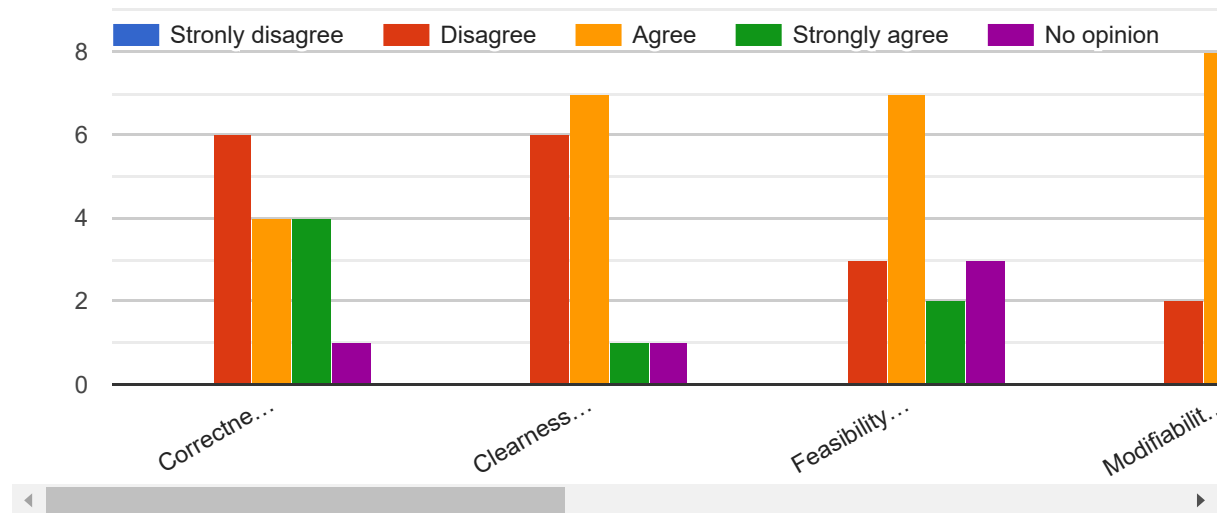
15 responses



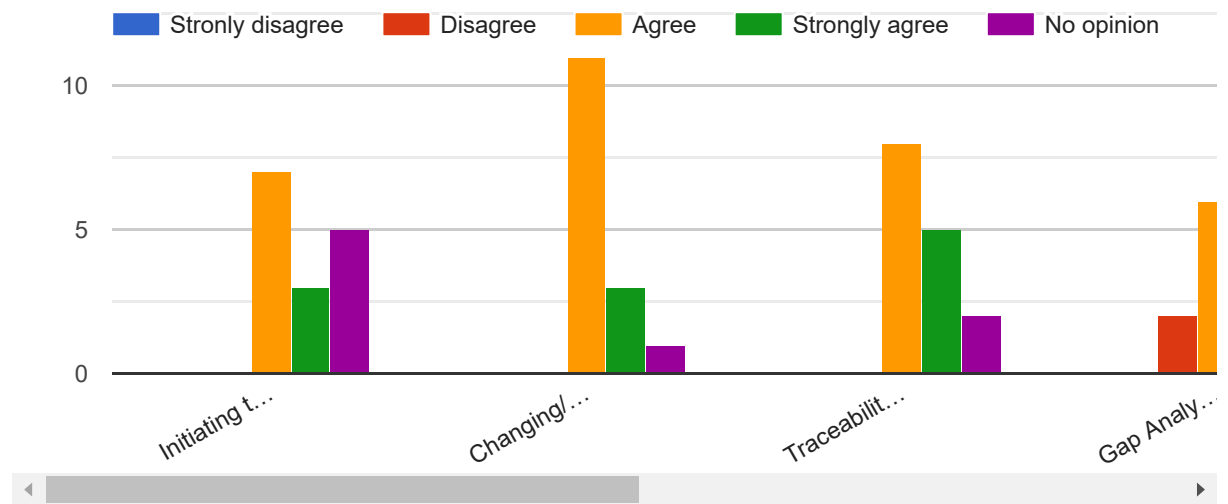
In your opinion, did you find this graphical model-based approach useful in different activities of Requirements Engineering?



In your opinion, do you see the modeling approach as an improvement compared to other non-modelling (e.g. text-only or table-based) regarding the following aspects:

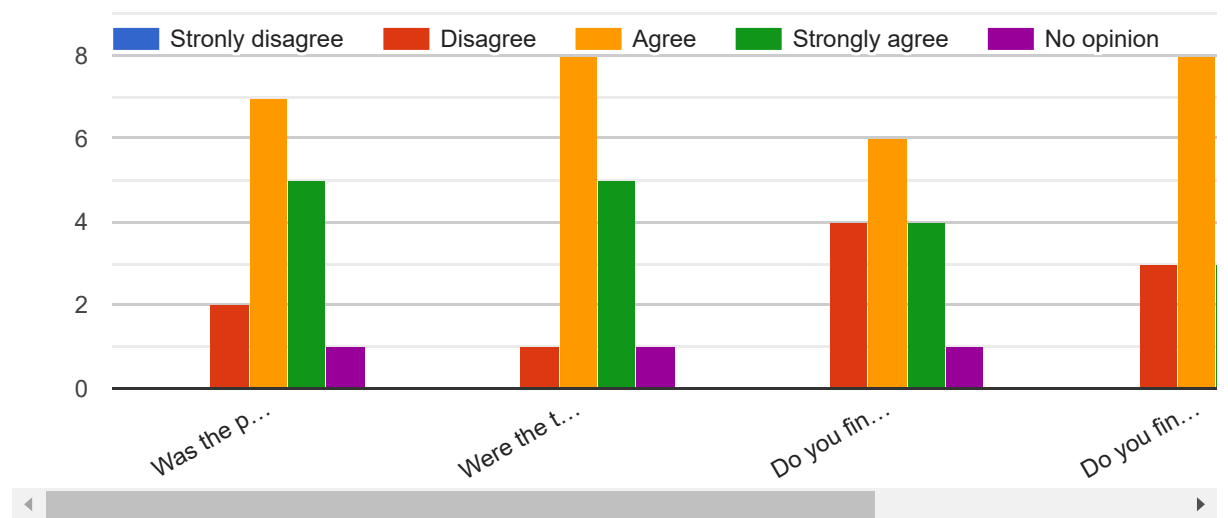


In your opinion, did you find the following Modelio tool features useful in different Requirements Engineering activities ?



Reflections

Please indicate your opinion on Modelio-based RE approach.



In your opinion, what was the most challenging aspect of the Modelio-based approach?

11 responses

RE traceability

Collaborative work was for me the trickiest thing. Updates by different partners would often lead to inconsistencies, and often that would be detected when the documentation was generated. In scenarios when my organization was leading the work on the deliverable, there was need for a significant amount of work outside of Modelio.

getting through the tool setup and licensing problems

The challenges aspect is not related to Modelio, but to the stakeholders motivation to maintain/update the models. Maybe some notification feature could help for this.

None

parallel editing with multiple persons

Tool stability and concurrency handling when many users work on the same model

In your opinion, what is the most useful aspect of the Modelio-based approach?

10 responses

RE fast clear document generation

The fact that all these different types of models exist in the same environment and that working with them simultaneously was quite easy.

Traceability and document generation

Linking textual requirements with UML/SysML diagrams

document generation

Standardisation of the modeling approach, ease of documenting and communicating the understanding of components, APIs and solutions

Traceability between requirements and/or system components

Connection between components and modules dependencies.



In your opinion, which additional Modelio tool features would have been useful for the Requirements Engineering in the project?

7 responses

Traceability w.r.t. interoperability tools (e.g., align documentation format, export/import external documents, exchange data among several tools)

N/A (limited usage of Modelio within the project)

Allowing to mix and match elements from metamodels of different languages and be able to define one's own metaclasses

A formal, readable structure (with checking) of requirements (more than reqIF, similar to a controlled language)

I don't know.

No opinion

requirements for "what to monitor and how to monitor it", to include also embedded systems target with on-chip monitors

Do you have any more comments?

2 responses

Thank you for the invitation.

Modelio was not used

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