

Thematic analysis

Question: RQ3.8: Other reaction (Please specify)

Theme	Cod	Pain Point	Respondents' comments
Additional reaction	Adjust modeling time	Improper Requirements	I postponed modeling until later in the project
	Advance the modeling field	Tool Restrictions	Identified what the needed tool would be like but it hasn't been built. Helped develop [x] to partly address.
Additional observation	Common challenge	Improper Requirements	It is completely normal to feel that when working with a new domain, and sometimes not even the stakeholders are completely familiar with it. Its a part of the process of conceptual modeling to deeply study the domain field.
Example of reactions related to workarounds	Change communication technics	Effortful Negotiation	We change the terminology, dig up an authoritative source, and so on.
		Unclear Approach	Education. Also tried to point out examples of incoherent classification in existing company data structures.
	Refine negotiation strategies	Improper Requirements	Lead me to force principals to agree on a use case
		Expensive Requirements	After detailing questions that must be answered in term of the model and ones that do not, we continue the modeling process.
Example of reactions related to skills improviment	Try collaborative approaches	Effortful Verbalization	Follow the process and iteratively create a verbalization that everyone agrees with.
		Improper Requirements	This frustration made me think about investing in the training of non-technical users.s
		Resistance to Modeling	This situation bought me to invest more in teaching non-technical users.
	User training	Effortful Verbalization	This brought me to start a training program for non-technical users.
		Resistance to Modeling	Aim to educate stakeholders on what CM is really for.
		Effortful Negotiation	Education of SMEs; improve process.
Improvement	Modeling strategies	Improper Requirements	This frustration contributed to better study the domain / to ask more information to the stakeholders / to postpone the model results.
	Time managment	Effortful Negotiation	I planed extra time for negotiation meetings in my next projects.
	Selection criteria	Unclear Approach	This situation made me actively search for a new project in a team where there was a modelling culture.
	Communication skills	Resistance to Modeling	This frustration contributed to better explain the benefits of the model.
Complain	Tool	Effortful Verbalization	Would change to a tool that better conveys meanings if one existed.
	Tool	Complexity Issues	Poor modularization choices but good metadata design - hard for current tools to consume but complexity of the domain is real.
	Tool	Effortful Diagramming	Remains an issue but CCM has some workarounds.
	Tool / Method	Inadequate Explanation	Explaining the model to SMEs is a requirement; would use better tools if they existed. Improved methods.