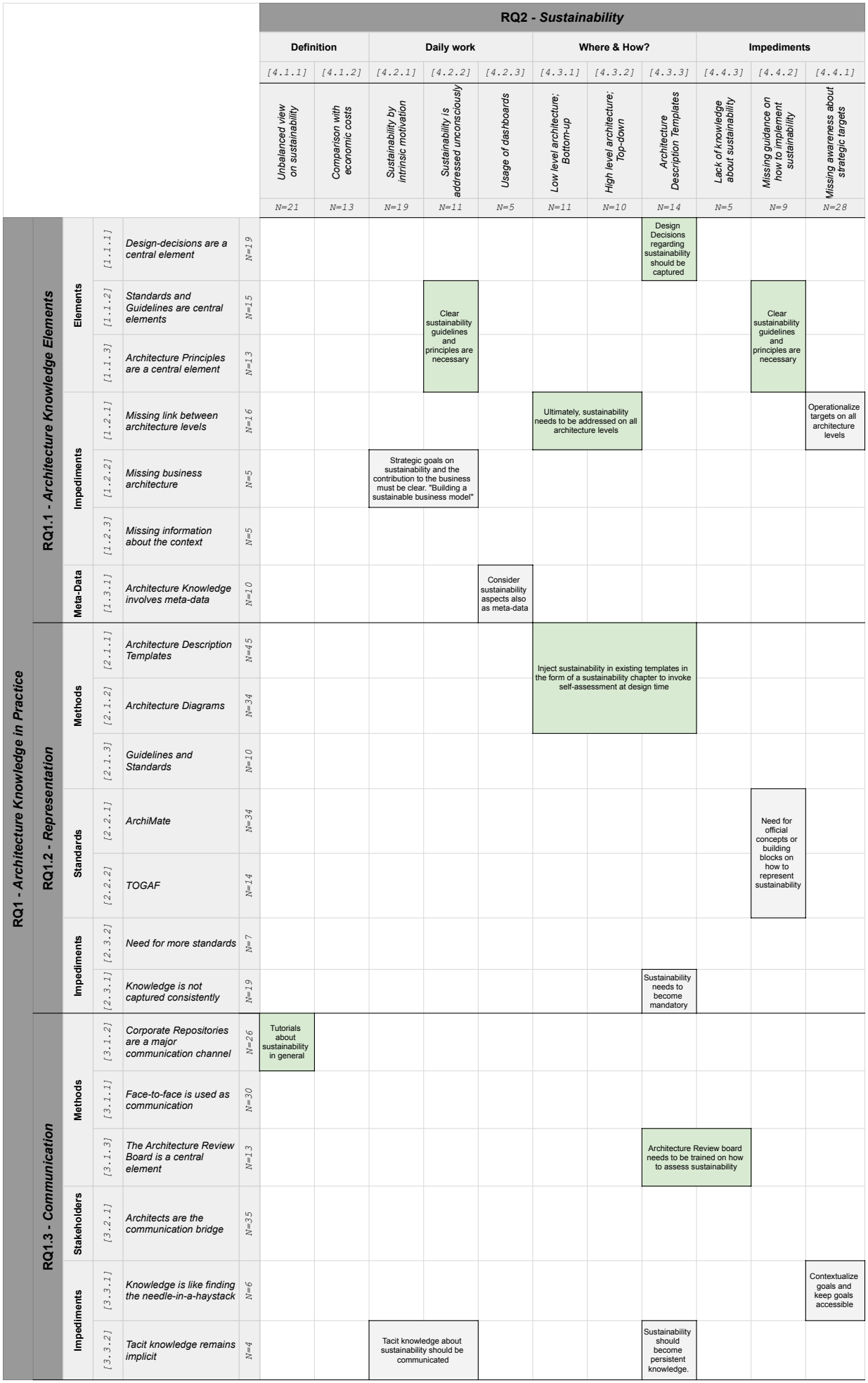
RQ2 - Sustainability
Definition
Daily work
Where & How?
Impediments
[4.1.1] Unbalanced view on sustainability N=21
[4.1.2] Comparison with economic costs N=13
[4.2.1] Sustainability by intrinsic motivation N=19
[4.2.2] Sustainability is addressed unconsciously N=11
[4.2.3] Usage of dashboards N=5
[4.3.1] Low level architecture; Bottom-up N=11
[4.3.2] High level architecture; Top-down N=10
[4.3.3] Architecture Description Templates N=14
[4.4.3] Lack of knowledge about sustainability N=5
[4.4.2] Missing guidance on how to implement sustainability N=9
[4.4.1] Missing awareness about strategic targets N=28
RQ1 - Architecture Knowledge in Practice
RQ1.1 - Architecture Knowledge Elements
RQ1.2 - Representation
RQ1.3 - Communication
Elements
Impediments
Meta-Data
Methods
Standards
Stakeholders
[1.1.1] Design-decisions are a central element N=19
[1.1.2] Standards and Guidelines are central elements N=15
[1.1.3] Architecture Principles are a central element N=13
[1.2.1] Missing link between architecture levels N=16
[1.2.2] Missing business architecture N=5
[1.2.3] Missing information about the context N=5
[1.3.1] Architecture Knowledge involves meta-data N=10
[2.1.1] Architecture Description Templates N=45
[2.1.2] Architecture Diagrams N=34
[2.1.3] Guidelines and Standards N=10
[2.2.1] ArchiMate N=34
[2.2.2] TOGAF N=14
[2.3.2] Need for more standards N=7
[2.3.1] Knowledge is not captured consistently N=19
[3.1.2] Corporate Repositories are a major communication channel N=26
[3.1.1] Face-to-face is used as communication N=30
[3.1.3] The Architecture Review Board is a central element N=13
[3.2.1] Architects are the communication bridge N=35
[3.3.1] Knowledge is like finding the needle-in-a-haystack N=6
[3.3.2] Tacit knowledge remains implicit N=4
Design Decisions regarding sustainability should be captured
Clear sustainability guidelines and principles are necessary
Clear sustainability guidelines and principles are necessary
Ultimately, sustainability needs to be addressed on all architecture levels
Operationalize targets on all architecture levels
Strategic goals on sustainability and the contribution to the business must be clear. "Building a sustainable business model"
Consider sustainability aspects also as meta-data
Inject sustainability in existing templates in the form of a sustainability chapter to invoke self-assessment at design time
Need for official concepts or building blocks on how to represent sustainability
Sustainability needs to become mandatory
Tutorials about sustainability in general
Architecture Review board needs to be trained on how to assess sustainability
Contextualize goals and keep goals accessible
Tacit knowledge about sustainability should be communicated
Sustainability should become persistent knowledge.