

Table 1. Dimensions and requirements for SBP modeling

SBP Modeling Dimensions	Description	SBP Modeling Requirements
Functional dimension	Representation of structural aspects, aspects of communicative interactions and dynamic aspects relating to the conversion and creation of information and knowledge.	R1 –Modeling the individual/collective perspective of actions R2 –Modeling the critical perspective/knowledge intensity of actions/organizational activities R3 – Modeling of different opportunities for knowledge conversion/creation R4 –Modeling of collaborative interactions
Organizational dimension	Representation of the different types of agentive entities capable of performing SBP actions.	R5 – Modeling of the different roles of agents operating in SBP activities (who hold knowledge and who interact, communicate and share knowledge and information)
Knowledge dimension	Description of KM aspects: the different types and nature of knowledge, the different sources of knowledge, the dynamics of knowledge preservation and (re)use.	R6 – Modeling the knowledge mobilized and produced by organizational activities R7 –Location/modeling of the different sources of knowledge R8 – Modeling of different types and natures of knowledge (tacit/explicit, collective, etc.)
Informational dimension	Representation of data, information entities, different types and sources of information, communications and the dynamics of information creation.	R9 – Modeling of different types of resources: material and immaterial R10 –Differentiation and Modeling of Knowledge Data and Information R11 –Modeling and differentiation between sources of data, information and knowledge
Behavioural dimension	Description of the scheduling and execution parameters of SBP activities, control flows, data, information and knowledge flows.	R12 –Modeling data, information and knowledge flows R13 – Modeling complex, flexible and highly dynamic processes: handling unexpected exceptions, rules and constraints
Intentional dimension	Description of SBP: its main characteristics and the different types of contextual information.	R14 – Modeling of distal intentions (individual and collective) and objectives