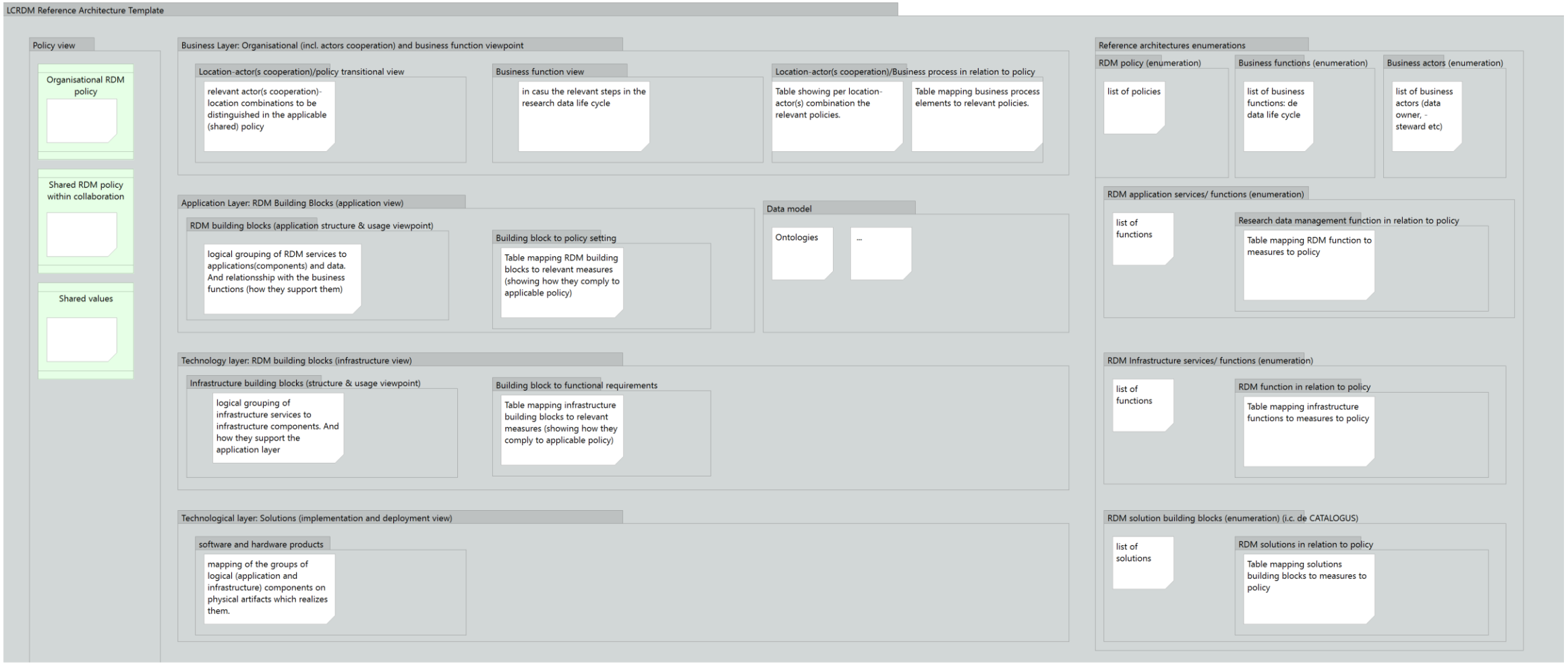
TEMPLATE PREPARATION ARCHITECTURAL VIEWS

This purpose of the template is to give practical assistance to the collection of the documentation which is needed to fill in the architectural views uit het RDM Architectural Framework for a particular user story.

Note that at the heidag we aim to work out user stories in SOLL architectures, that is, architectures which are developed or embraced by bodies at the (inter)national level. Think of architectures developed / embraced by D4LS, NFU, SURF, ELIXER, EUDAT. Domain architectures of individual institutions can be SOLL architectures for the national RDM reference architecture, only when at the (inter)national level embraced.

Note that it is not necessary to put all relevant content in the template; it is enough to put details references to the documention (titel of the doc, chapter, paragraph; URL vindplaats of the doc)

Architecture Framework LCRDM



Policy view (business layer)

	Which RDM policy guidelines or shared values, are applicable during (parts of) the user story at stake? *Think of institutional RDM policy of (one of) the actors, shared RDM policy of the research collaboration/ consortium, national (data) policy.*	**Title**	**Chapter/ paragraph**	**URL of the Source**
1	National policies applicable			
	Country 1			
	Country 2			
	Country 3			
	..			
2	Shared policy and/or values applicable			
	Shared policy of the consortium			
	...			
3	Institutional policies applicable			
	Actor 1			
	Actor 2			
	Actor3			
	..			

Business process view (business layer)

	Which steps of the data life cycle are touched? Which actors and processes are involved in each step?	**Title**	**Chapter/ paragraph**	**URL of the Source**
1	Creating/ collecting data			
	Actor information			
	Process information			
2	Processing data			
	Actor information			
	Process information			
3	Analysing data			
	Actor information			
	Process information			
4	Preserving data			
	Actor information			
	Process information			
5	Giving access data/ reuse data			
	Actor information			
	Process information			

Location-actors/cooperation - policy transitional view (business layer)

	Which changes in RDM policy take place during the user story?	Title	Chapter/ paragraph	URL of the Source
1	Changes in location the data reside			
	Change 1			
	Change 2			
2	Changes in data ownership			
	Change 1			
	Change 2			
3	Changes in phase of the data life cycle (pre, during, after research)			
	Change 1			
	Change 2			
4	Changes in the form of the collaboration			
	Change 2			
	Change 2			

RDM Building Blocks (application layer)

	Which logical RDM Building blocks are needed / in place	Title	Chapter/ paragraph	URL of the Source
1	Creating data			
	RDM Building blocks			
	Relevant policies and impact on building blocks			
2	Processing data			
	RDM Building blocks			
	Relevant policies and impact on building blocks			
3	Analysing data			
	RDM Building blocks			
	Relevant policies and impact on building blocks			
4	Preserving data			
	RDM Building blocks			
	Relevant policies and impact on on building blocks			
5	Giving access to data / reuse data			
	RDM Building blocks			
	Relevant policies and impact on building blocks			

Data Model (application Layer)

	What kind of Information concepts are used? E.g. collections, metadata, data products, records, ….	Explanation	Chapter/ paragraph	URL of the Source
1				
2				
3				
4				
5				
	Which standards are applicable (e.g. because they are part of the agreements of the collaboration)? Which ontologies are used?	**Explanation**	**Chapter/ paragraph**	**URL of the Source**
1				
2				
3				
4				
5				

Infrastructure Building Blocks (technology layer)

	Which logical Infrastructure Building blocks are needed / in place to support the application layer?	**Title**	**Chapter/ paragraph**	**URL of the Source**
1	*Infrastructure building block*			
	Components of the application layer using this BB			
	Relevant policies and impact on the BB			
2	*Infrastructure building block*			
	Components of the application layer using this BB			
	Relevant policies and impact on the BB			
3	*Infrastructure building block*			
	Components of the application layer using this BB			
	Relevant policies and impact on the BB			

Solution Building Blocks (application & technology layer)

	Which technologies/ products are used to realize the building blocks?	Title	Chapter/ paragraph	URL of the Source
	Application components			
1	*Building block x*			
2	*Building block y*			
	etc			
	Infrastructure components			
1	*Building block x*			
2	*Building block y*			
	etc			