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The Question Variable Database (QVDB) - a portal and documentation tool for the ESS

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– Norwegian Centre for Research Data (NSD)

SERISS Task 4.2



This project has received funding from the *European Union's Horizon 2020* research and innovation programme under grant agreement No 654221.



Outline

What is it?

- Technical components and content

Examples from the QVDB

- DDI3.2 variable harmonisation
- Data production / documentation
- Short Live demonstration





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Home

Welcome

QVDB - Question and Variable Database

seriss European Social Survey colectica

1 Series	9 Studies
9 Data Files	5,178 Variables
0 Instruments	1 Questions

A system for storage and retrieval of questions and variables
(structured in DDI3.2 XML)

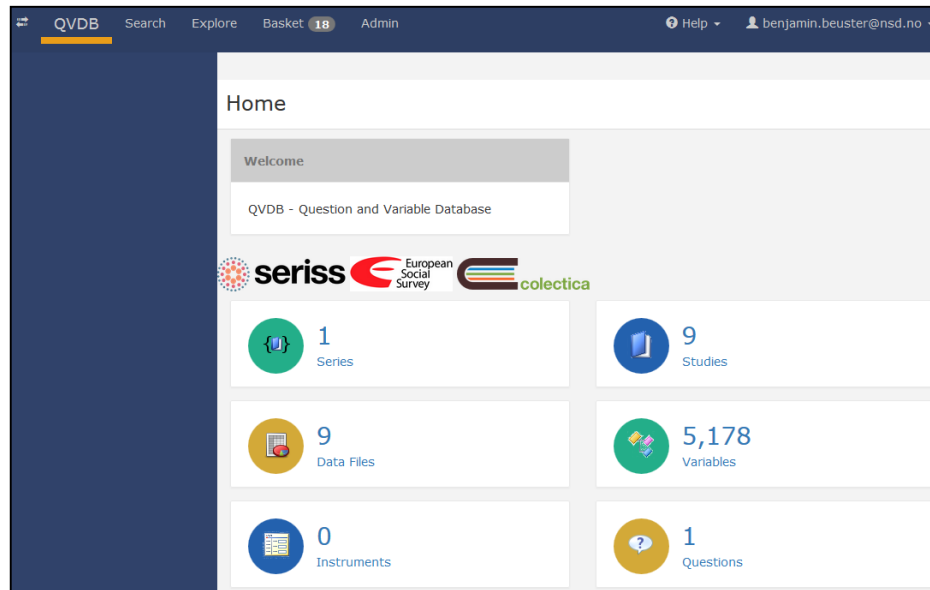


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Server and Web

Colectica Repository is a centralized storage system for managing data resources



In the Portal you can browse and search for datasets and metadata on the Web





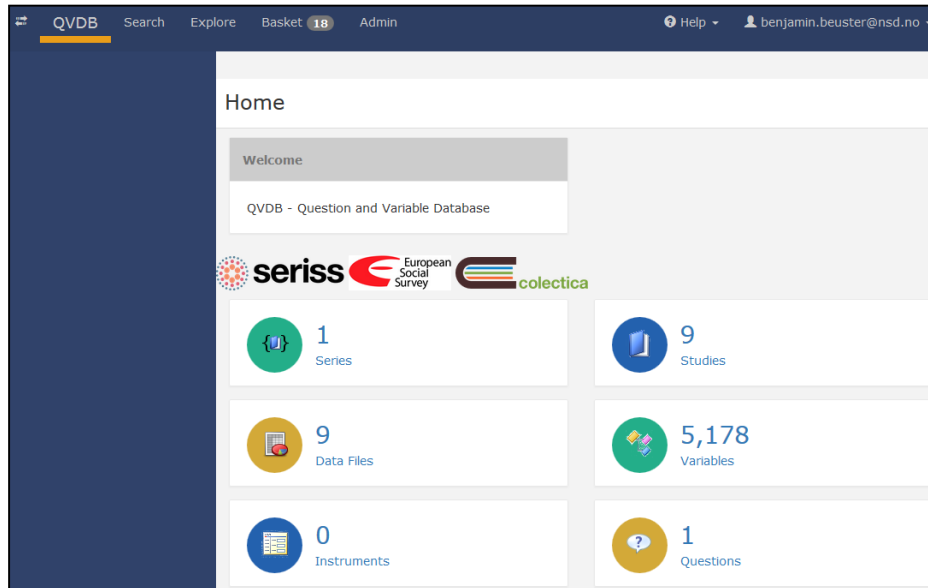
Colectica Designer



Category	Count
Series	1
Studies	9
Data Files	9
Variables	5,178
Instruments	0
Questions	1

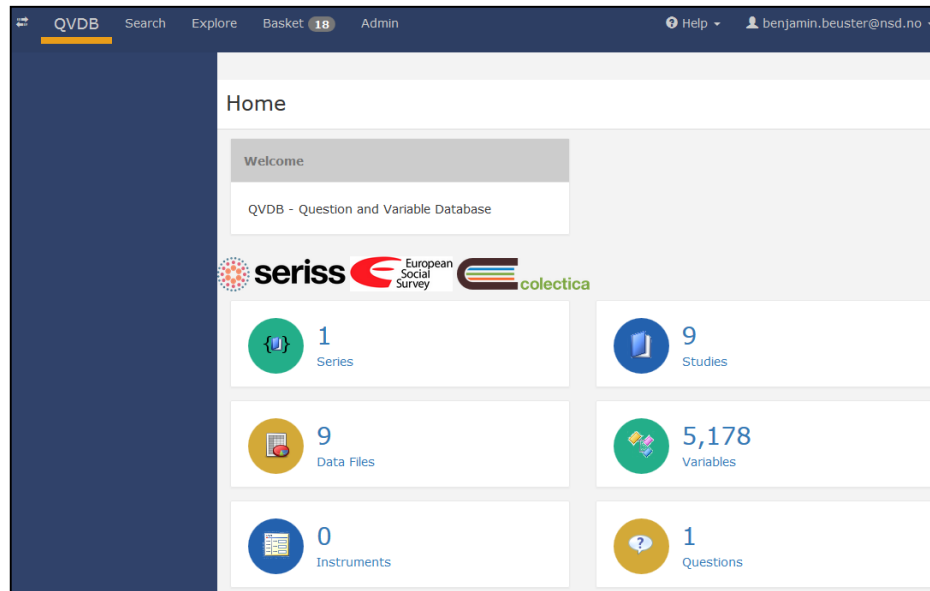
Import of
variables
DDI-C
&
questions
DDI-3.2





Primary goal: Serve the ESS (and other surveys) in their business process





CESSDA
EURO
Question
Bank

Secondary goal: Exchange metadata so that metadata collected at one stage of the survey life cycle can be reused in another stage of the survey life cycle

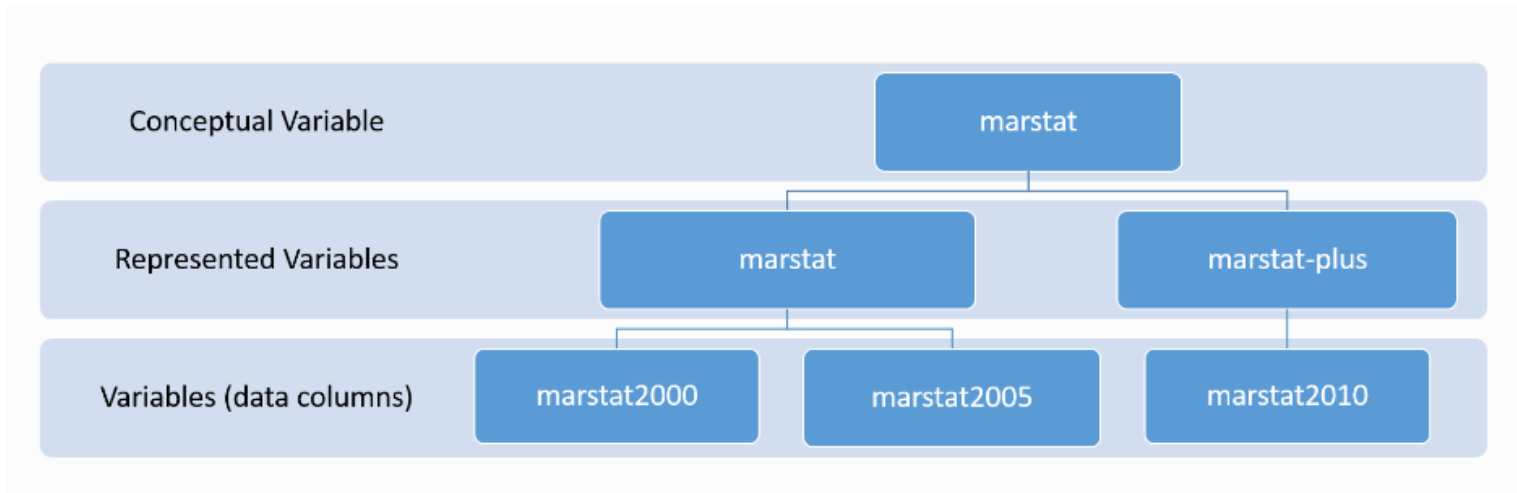




Variable harmonization – feature for repeated and longitudinal studies

- Describes how variables (that measure similar information) from different points in time correspond to each other
- ESS: Variables that measures the same information across rounds have equal variables names





<https://docs.colectica.com/designer/manage-content/data/harmonize-variables/?highlight=harmonization>





📄 marital	Legal marital status
📄 marital	Legal marital status
📄 ESS2 - marital	Legal marital status
📄 ESS1 - marital	Legal marital status
📄 maritala	Legal marital status
📄 ESS3 - maritala	Legal marital status
📄 ESS4 - maritala	Legal marital status
📄 maritalb	Legal marital status, post coded
📄 ESS5 - maritalb	Legal marital status, post coded
📄 ESS8 - maritalb	Legal marital status, post coded
📄 ESS7 - maritalb	Legal marital status, post coded
📄 ESS6 - maritalb	Legal marital status, post coded



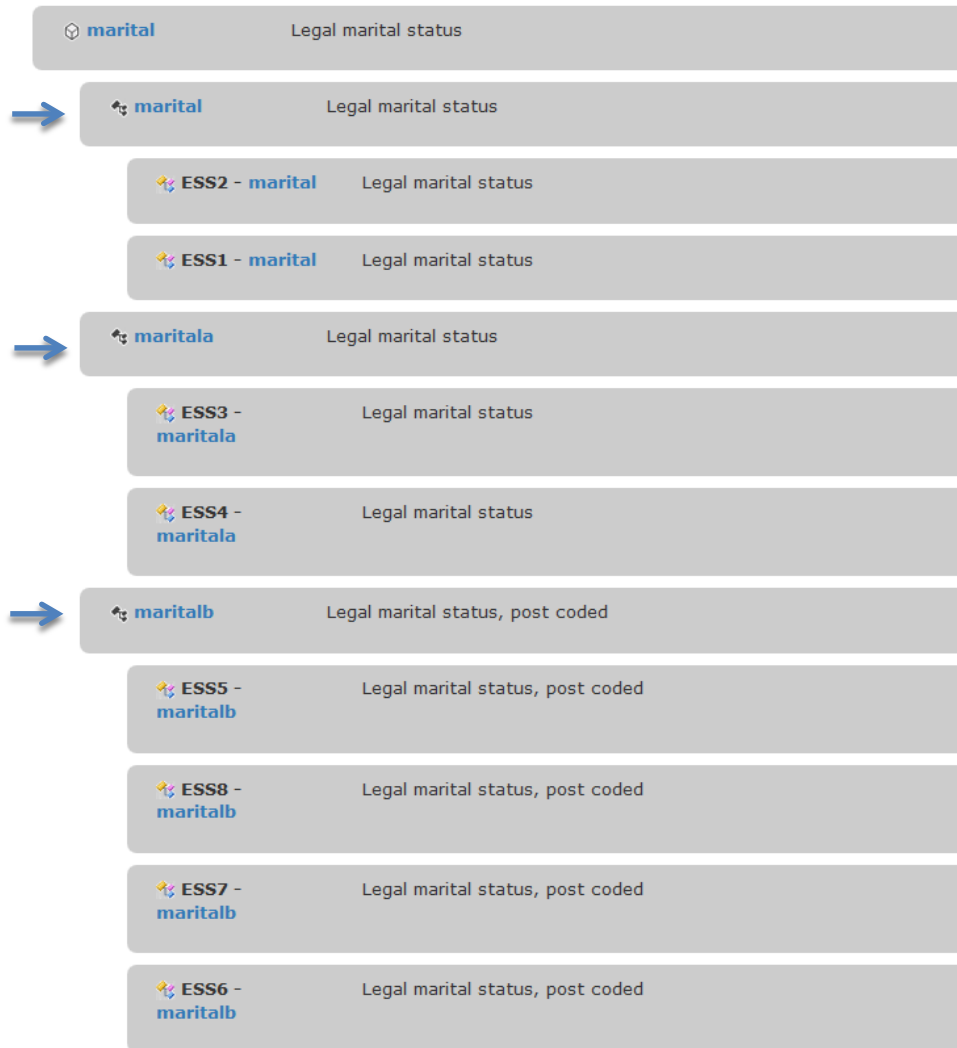


	marital	Legal marital status
	marital	Legal marital status
→	ESS2 - marital	Legal marital status
→	ESS1 - marital	Legal marital status
	maritala	Legal marital status
→	ESS3 - maritala	Legal marital status
→	ESS4 - maritala	Legal marital status
	maritalb	Legal marital status, post coded
→	ESS5 - maritalb	Legal marital status, post coded
→	ESS8 - maritalb	Legal marital status, post coded
→	ESS7 - maritalb	Legal marital status, post coded
→	ESS6 - maritalb	Legal marital status, post coded

Variable

Column in the data file



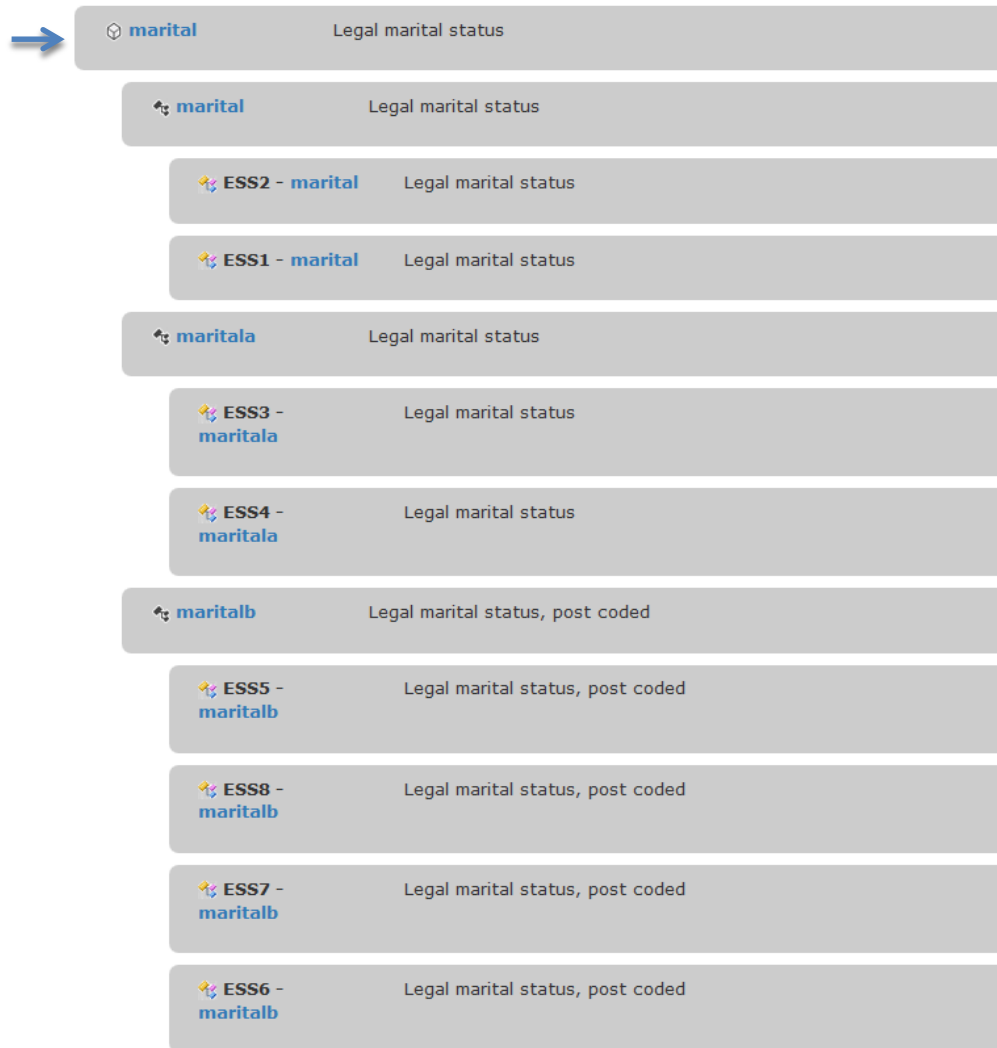


Represented Variable

Describes how the variables is measured

May change accross rounds





Conceptual Variable

Most generic way to describe a variable





	ESS1	ESS2	ESS3	ESS4	ESS5	ESS6	ESS7	ESS8
Married	1	1	1	1				
Legally married					1	1	1	1
Separated	2	2						
In a legally registered civil union					2	2	2	2
In a civil partnership			2	2				
Divorced	3	3	5	5				
Legally separated					3	3	3	3
Separated (still legally married)			3	3				
Widowed	4	4	6	6				
Legally divorced/civil union dissolved					4	4	4	4
Separated (still in a civil partnership)			4	4				
Never married	5	5						
Widowed/civil partner died					5	5	5	5
None of these (NEVER married or in legally registered civil union)					6	6	6	6

Code Comparison





	ESS1	ESS2	ESS3	ESS4	ESS5	ESS6	ESS7	ESS8
Married	1	1	1	1				
Legally married					1	1	1	1
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In a civil partnership			2	2				
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Legally separated					3	3	3	3
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	% of valid				% of total			
	ESS1	ESS2	ESS3	ESS4	ESS5	ESS6	ESS7	ESS8
Married	54.64 %	53.23 %	51.28 %	53.25 %				
Legally married					50.40 %	51.00 %	49.94 %	49.90 %
Separated	1.47 %	1.59 %						
In a legally registered civil union					0.87 %	0.55 %	0.87 %	1.02 %
In a civil partnership			2.14 %	1.29 %				
Divorced	6.51 %	7.13 %	7.91 %	7.89 %				
Legally separated					0.75 %	0.54 %	0.57 %	1.49 %
Separated (still legally married)			1.31 %	1.29 %				
Widowed	9.08 %	9.72 %	10.34 %	10.58 %				
Legally divorced/civil union dissolved					9.09 %	9.35 %	10.18 %	8.99 %
Separated (still in a civil partnership)			0.14 %	0.07 %				

Statistics





QVDB in the data production / documentation

- Maintain codelists and variables
- Document data files
- Produce data protocols
- Produce data Set up-files

<https://colectica.nsd.no/>





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Thank you for your attention

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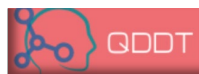
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