

The DASISH Questionnaire Design Documentation Tool: Keeping track of the Questionnaire Design Process

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Outline

- What is the Questionnaire Design Documentation Tool QDDT?
- European Social Survey questionnaire module development workflow
- Current functionalities of the tool and the next steps





The Questionnaire Design Documentation Tool (QDDT)

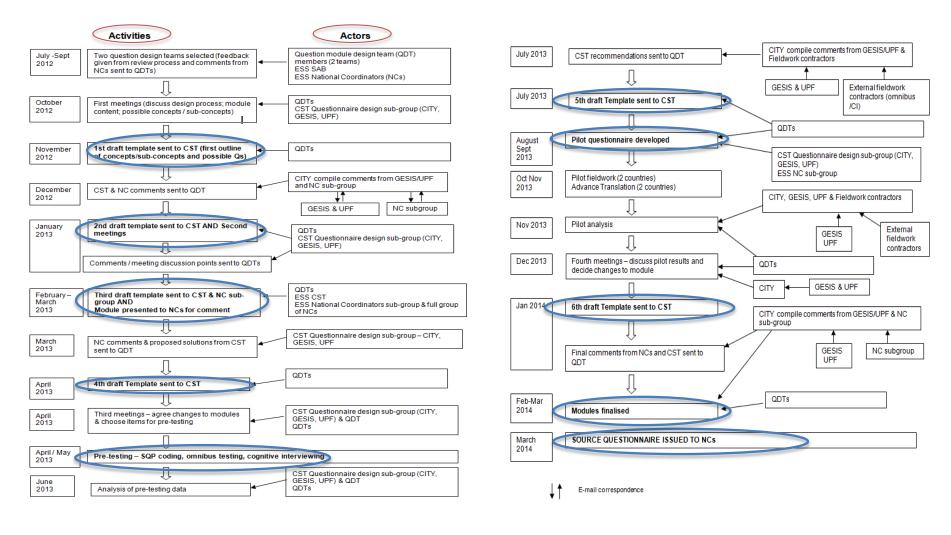
- A system for developing and documenting the full questionnaire development process of cross-national survey programmes, from the first concepts and questions to the final questionnaires,
- improving both quality and transparency
- Internal (producer) users can use the tool to document the question design process
- External (consumer) users can use it to understand how each item and concept was developed
- Once the design for a questionnaire module has been completed, the information can be made available for download and transfer
- The information is permanently stored in the database for future reuse and reference
- QDDT is planned as the 'mother tool' in a chain of interoperable tools for the survey lifecycle
- Interoperability with the QVDB and the TMT is a key aim



Use case for specifications:

The European Social Survey (ESS) questionnaire module development

- Rigorous questionnaire development procecess
- with multiple business process steps
- and multiple actors involved



QDDT – under development as a multi project system for questionnaire design documentation and development

DASISH QDDT

Questionnaire Design and Development Tool

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Survey	Study	Module
European Social Survey	ESS6	Personal and social well-being
Test Survey	Test study	Test
European Social Survey	ESS7	Attitudes towards immigration and their antecedents
European Social Survey	ESS4	Evaluations, Predispositions and Attitudes to Welfare
International Social Survey Programm	e ISSP 2014	Citizenship II, ISSP 2014 module
Test Survey	Test study	Test2

New module

QDDT - Questionnaire Design and Development Tool

QDDT – current functionalities

- creating and versioning of a questionnaire module

DASISH QDDT

Questionnaire Design and Development Tool

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Module: Citizenship II, ISSP 2014 module

Module details

Name: Citizenship II, ISSP 2014 module

Study: ISSP 2014

Maintenance agency ID: int.issp

[Edit module details]

Module development history

#	DDI version	Release number	Version description	Actor	Publish info	
1	1.0	0.1	First presentation of concepts	Drafting group	Published internal	View
2	2.0	0.2	Revised concepts	Drafting group	Published internal	View
3	2.1	0.2	Finalised concepts	Drafting group	Published internal	View
4		0.3	Finalised other concepts, proposal uploaded	Drafting group	Not published	Update

QDDT - Questionnaire Design and Development Tool

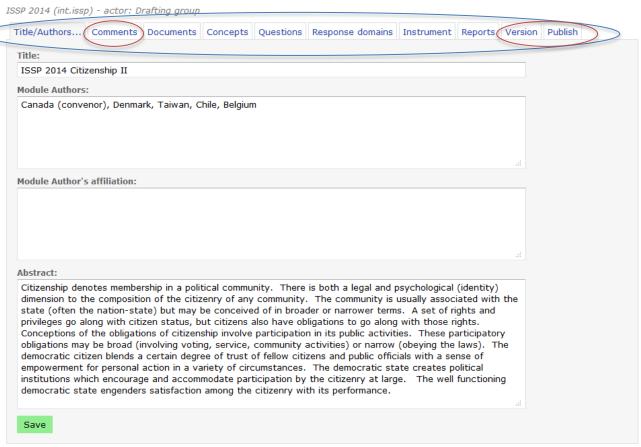
QDDT – questionnaire module development steps

DASISH QDDT

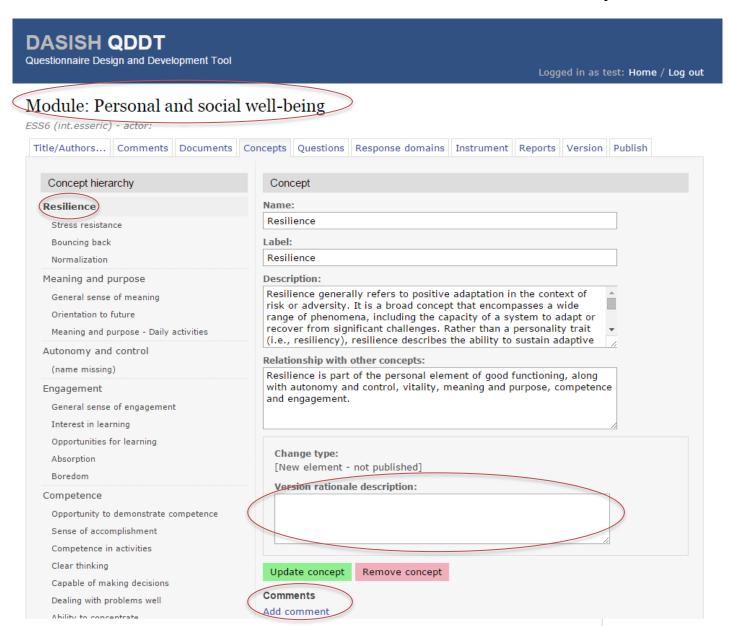
Questionnaire Design and Development Tool

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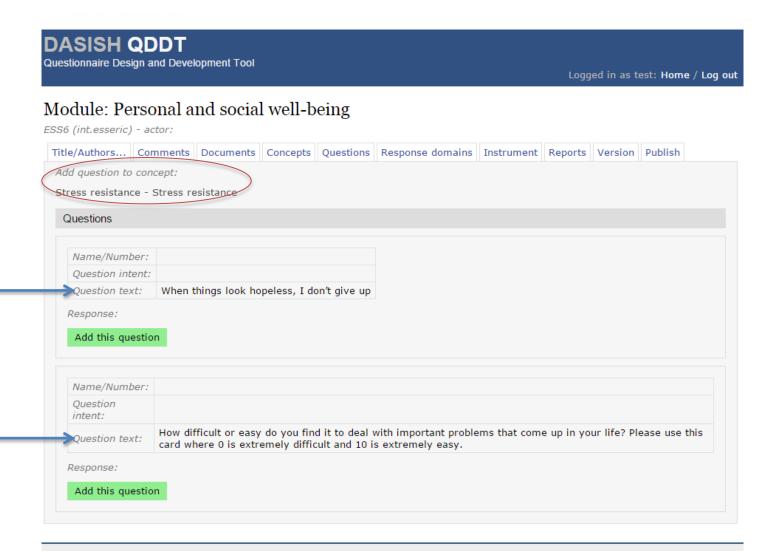
Module: Citizenship II, ISSP 2014 module



QDDT – current functionalities: Concepts

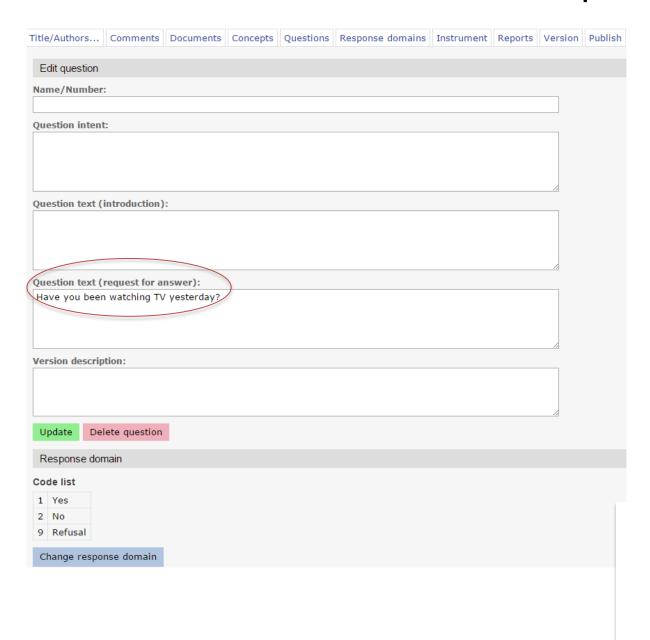


QDDT – current functionalities: add developed questions to concepts

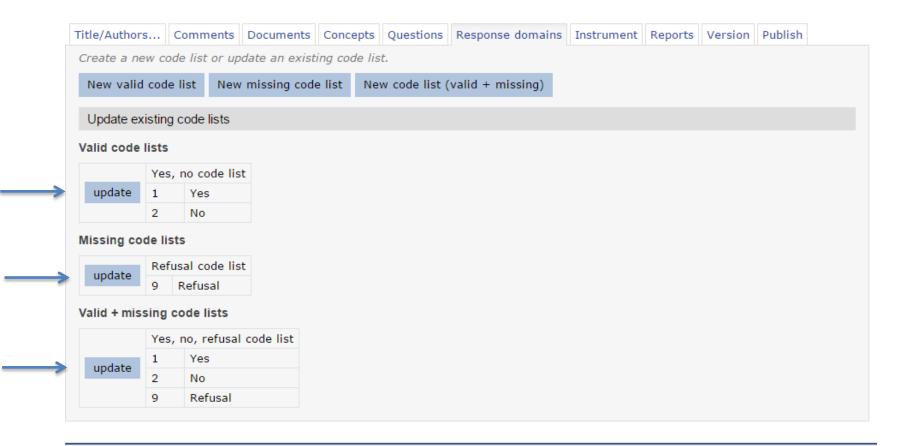


QDDT - Questionnaire Design and Development Tool

QDDT – current functionalities: develop a question



QDDT – current functionalities: develop a code list



QDDT - Questionnaire Design and Development Tool



QDDT – next step functionalities

- Add more response domains, for example text, numeric and scale
- Handling of complex question structures like batteries and grids
- Add comparison and mapping functionalities
- ControlConstruct
- Develop web-services (REST API) for export to and import from the TMT and the QVDB, as well as other systems
- Add export formats in addition to DDI 3.2 XML format, for example: DDI-C and DDI RDF
- Add print functionality that will allow users to print enhanced reports
- Questionnaire delivery:
 - PAPI has first priority.
 - CAPI and Web-survey is a goal for the further steps





Structuring of question batteries and question grids – desicions to be made:

- What the different questionnaire structures we wish to cover are, and which are their components
- Identify their more and less reusable components and decide how to structure them in order to maximise reusability
- Variable documentation issues should be kept in mind when decisions about their structuring are made
- Possibilities in DDI 3.2:
 Sequence of individual (compound) questions vs. QuestionGrid



QDDT – next step functionalities (2)

- Versioning: Add versioning functionality to all versionable used DDI elements
 - Add RationaleCode controlled vocabularies to versionable elements
 This will be used to assign a version number at a specific level automatically
 - Automatic versioning of a Scheme when an included element is updated

Example RationaleCode values for QuestionItem

Contentelement. Element Text.
TypoOrNoMeaning Change

		DDI Element
CodeValue	Versioning level	QuestionItem
ElementName.Added	Major	Name: Not to use fo
		question number.
		Would more stable
ElementName.Removed	Major	DK
ElementName.Changed.TypoOrNoMeaningChange	Minor	DK
ElementName.Changed.MeaningChange	Major	DK
ElementLabel.Added	Major	DK
ElementLabel.Removed	Major	DK
ElementLabel.Changed.TypoOrNoMeaningChange	Minor	DK
ElementLabel.Changed.MeaningChange	Major	DK
ElementDescription.Added	Major	Υ
ElementDescription.Removed	Major	Υ
ElementDescription.Changed.TypoOrNoMeaningChange	Minor	Υ
ElementDescription.Changed.MeaningChange	Major	Υ
Contentelement.ResponseDomain.Added	Major	Υ
Contentelement.ResponseDomain.Removed	Major	Υ
Contentelement.ResponseDomain.Changed.TypoOrNoMeaningChange	Minor	Υ
Contentelement.ResponseDomain.Changed.MeaningChange	Major	Υ
Contentelement.ResponseDomain.Changed.OtherChange	Major	Υ
Contentelement.ConceptOrIntent.Added	Major	Υ
Contentelement.ConceptOrIntent.Removed	Major	Υ
Contentelement.ConceptOrIntent.Changed.TypoOrNoMeaningChange	Minor	Υ
Contentelement.ConceptOrIntent.Changed.MeaningChange	Major	Υ
Contentelement.ElementText.Added	Major	Υ
Contentelement.ElementText.Removed	Major	Υ
Contentelement.ElementText.TypoOrNoMeaningChange	Minor	Υ
Contentelement.ElementText.MeaningChange	Major	Υ
Contentelement.Other.Added	Major	Υ
Contentelement.Other.Removed	Major	Υ
Contentelement.Other.Changed.TypoOrNoMeaningChange	Minor	Υ
Contentelement.Other.Changed.MeaningChange	Major	Υ
Contentelement.Other.Changed.OtherChange	Major	Υ

QDDT – next step functionalities (3)

Publication: - Add UserAttributePair controlled vocabularies for publication status for modules and questions

- This will be used to flag if a publication is internal (shared between partners) or external (made publicly available),
- as well as to document the business purpose for the published version

UserAttributePair key values for publication status

DASISH WP3.2 QDDT: Controlled vocabulary for publication status

Description

The publication status CV for the ODDT is developed for the ESS and SHARE but could also possibly be used by other surveys. It is as a first step intended for usage for questionnaire modules, in prove useful for other metadata elements as well.

Details

Short Name: PublicationStatusCV

Long Name: Controlled Vocabulary for publication status

Version:

Version Notes:

Canonical URI: Canonical URI of this version:

Alternate format location URI:

Alternate format location URI:

Agency Name:

urn:esseric-cv:PublicationStatusCV

urn:esseric-cv:PublicationStatusCV.1.0 https://dasish-dev.nsd.no/api/ddi/CodeList.xml

https://dasish-dev.nsd.no/api/ddi/CodeList.html

https://dasish-dev.nsd.no/api/ddi/CodeList.xls

Code List

Value of the Code	Definition of the Code
Development.NotPublished	Development - Made available for the key members of the CST questionnaire design sub group, but not designed to be published internally.
InternalPublication.AvailableForDesignTeam	AvailableForQDT – Items and discussion made available internally for members of the relevant Questionnaire/Module Design Team to view an
InternalPublication.ExportToSQP	ExportToSQP – Items made available to 'export' to SQP for coding. The results will inform the development of the item, and may be used at m
InternalPublication.AvailableForNationalTeams	AvailableForNationalTeams – items and their development histories made available to National teams to view. They will be asked to comment, some aspects of the development history that we would like to 'hide' from national teams.
InternalPublication.ExportToTMT	ExportToTMT – Items made available to 'export' to TMT for translation. Items may be exported to the TMT at various times in the questionnai only be a selection of items); when items are finalized – although final items may be exported via the QVDB??
ExternalPublication.ExportToQVDB	ExportToQVDB - once finalized, items will be exported to the QVDB to be made publically available.
Entropy Dudylingting English Translation	Toward Dublic in addition as the first constitution and a suitable as the outline constitution and the state of the state

happened, and we made need to 'hide', in other words not publish, certain things.

Internal Publication. **Export to TMT**



QDDT – future outlook

- Further development
- Real life use by ESS and SHARE
- Real life use by other survey projects
- Interoperability with other DDI-Lifecycle based and compatible survey tools





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