

QDDS - combining questionnaire development and survey documentation

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Outline

- History
- The current step
 - DDI 3 support
 - Workflow changes/User interface concept
- Outlook

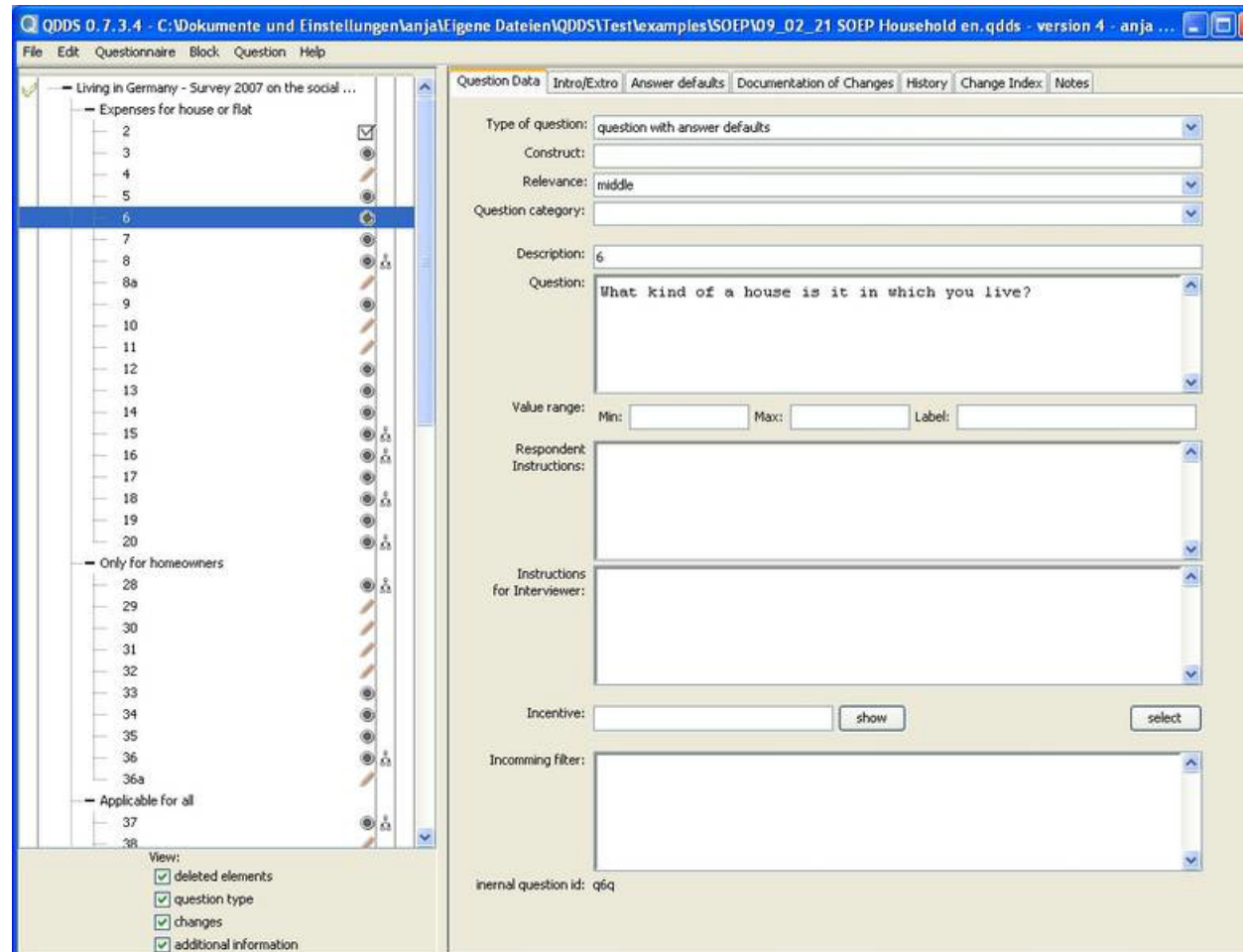
Why it is like it is

- Three kinds of questionnaires
 - Standard (ad-hoc) one time questionnaires with wide reuse of elements
 - Innovative one time questionnaires with less reuse of elements
 - Repetitive questionnaires (like panels) with high innovation at least within its starting phase and several changes over time

Why it is like it is

- Scientific interest concerning the development of second kind with the need to increase availability of:
 - documentation of development decisions
 - information on questionnaire structure
- Resulting in a new tool to combine questionnaire development and process documentation while storing DDI

Workflow for second type Questionnaires



Panel perspective on questionnaire development

- Need to offer as much documentation as possible
- Need for structured storage to retrieve and reuse questionnaire elements
- Generalized tools for easy exchange with survey institutes

Routine questionnaires

- Stick with Microsoft Word

The pairfam panel



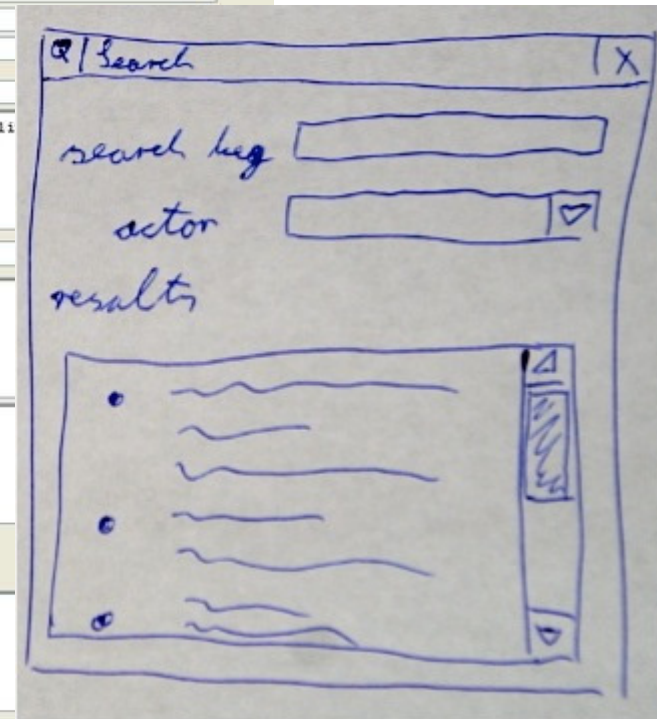
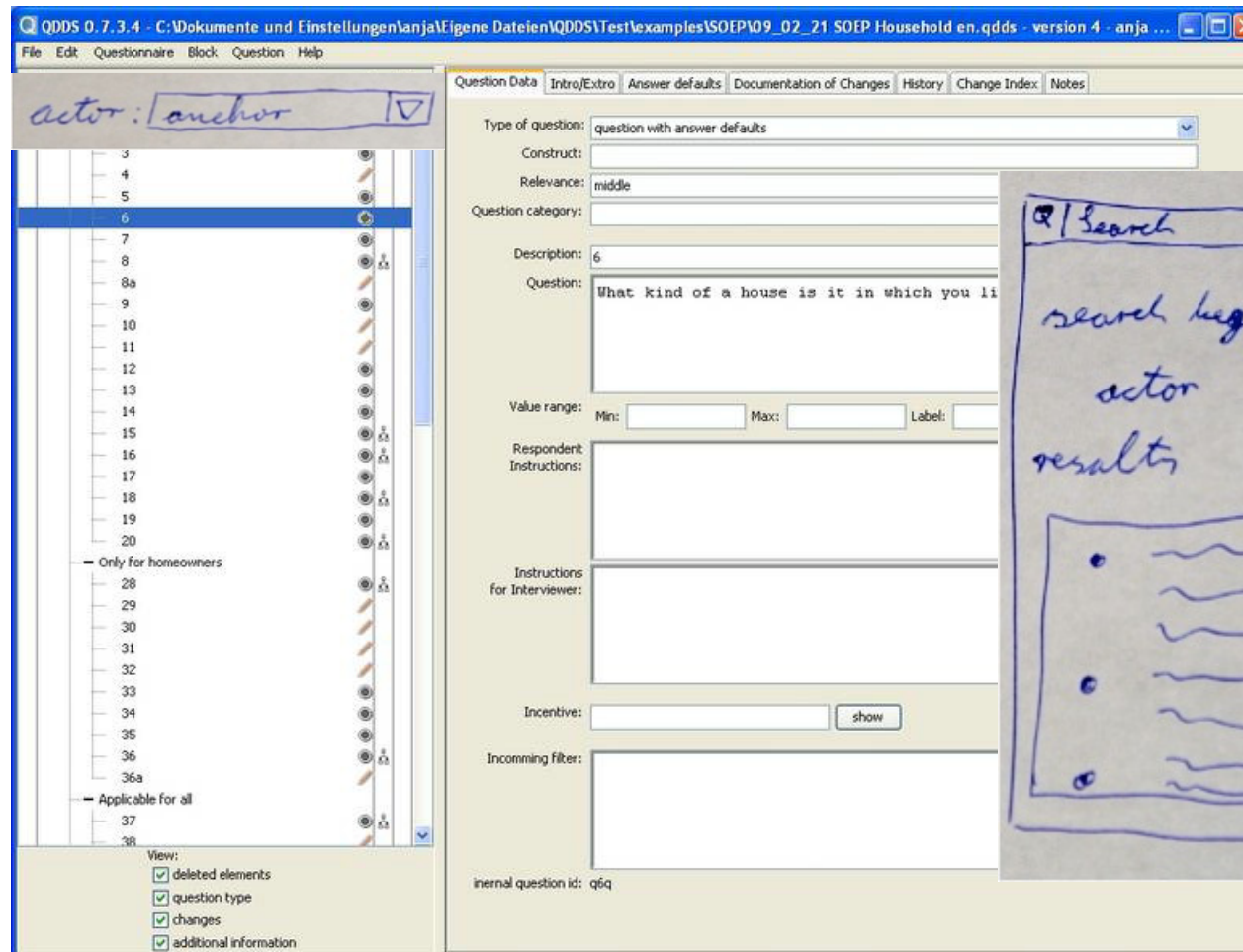
- The German Family Panel (pairfam – “Panel Analysis of Intimate Relationships and Family Dynamics”) is a representative, multidisciplinary, longitudinal study for researching partner and family dynamics in Germany. The study began with its first wave in 2008-09 and will to run for 14 years. Interview data are being gathered from a nationwide random sample of three birth cohorts of anchor persons (multi-cohort design), who were at the time of the first wave 15-17, 25-27, or 35-37 years old. Partners of the anchor persons are also included in each wave of the survey. Beginning with the second wave, anchors' (step)parents and, if applicable, one child living in the household are also part of the survey (multi-actor design). Thus, pairfam's design creates absolutely unique opportunities for the analysis of partner and generational relationships as they develop over the course of multiple life phases.
- Raising and disseminating of this data needs structured storage for the publication of data – first step with QDDS.

The current pairfam „workflow“

- The work is done in LaTeX
 - A file with all questions and all response categories is distributed.
 - Sets of response categories are reused by linking from questions
 - Questionnaires are created by referencing questions
 - Changing and creating questions and categories is done in the central „repository“ file
 - All changes to the documents are discussed with all principle investigators

- That mainly fits the DDI 3 structure

Additional interaction needs



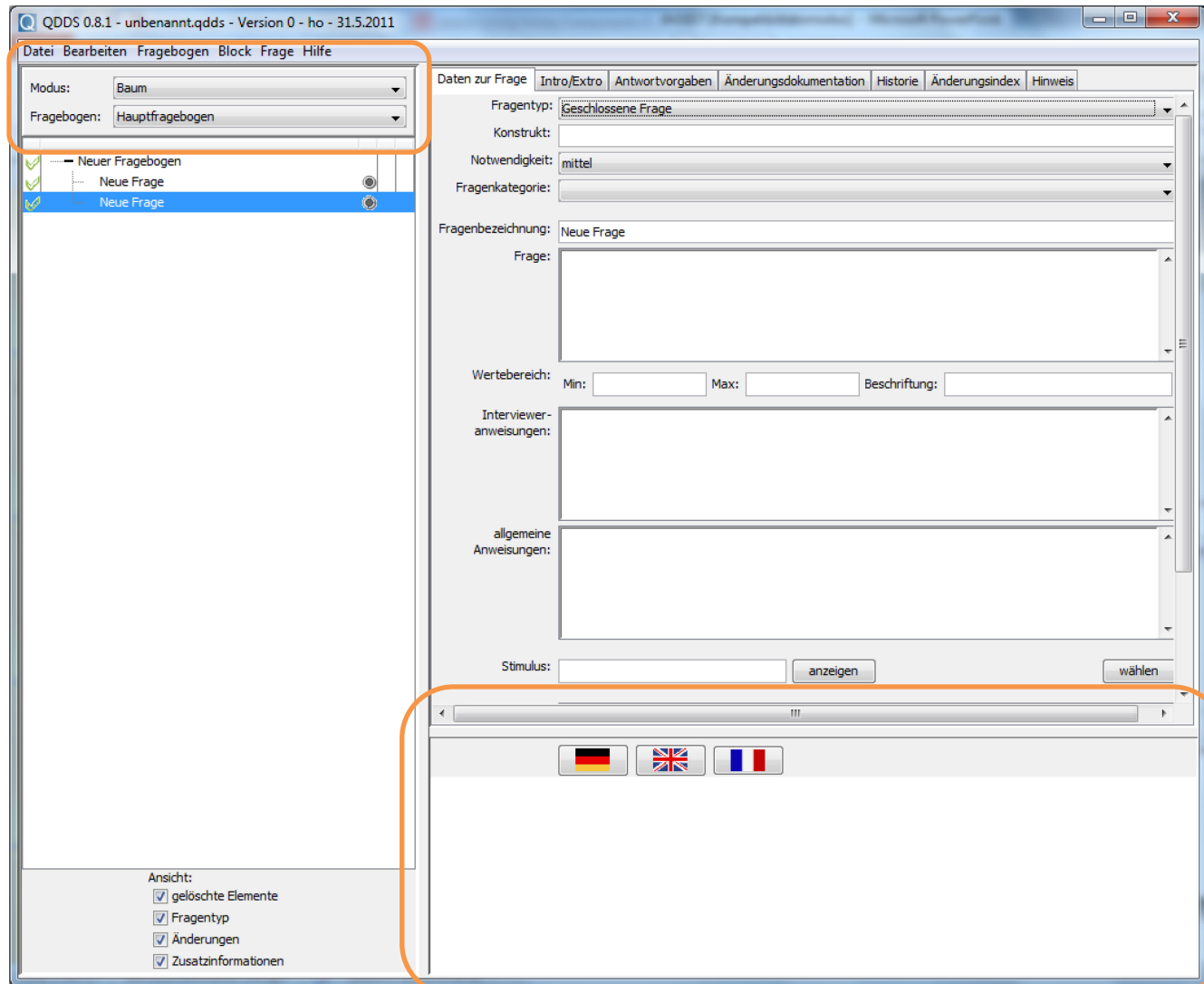
Supporting DDI

- **QDDS mainly fills up** `<DataCollection>`
 - `<QuestionScheme><QuestionItem>...`
 - `<Instrument>...`
 - `<ControlConstructScheme>`
 - `<QuestionConstruct>`
 - `<IfThemElse>`
 - ...
- **Additionally some general study information and** `<LogicalProduct><CategoryScheme>...`

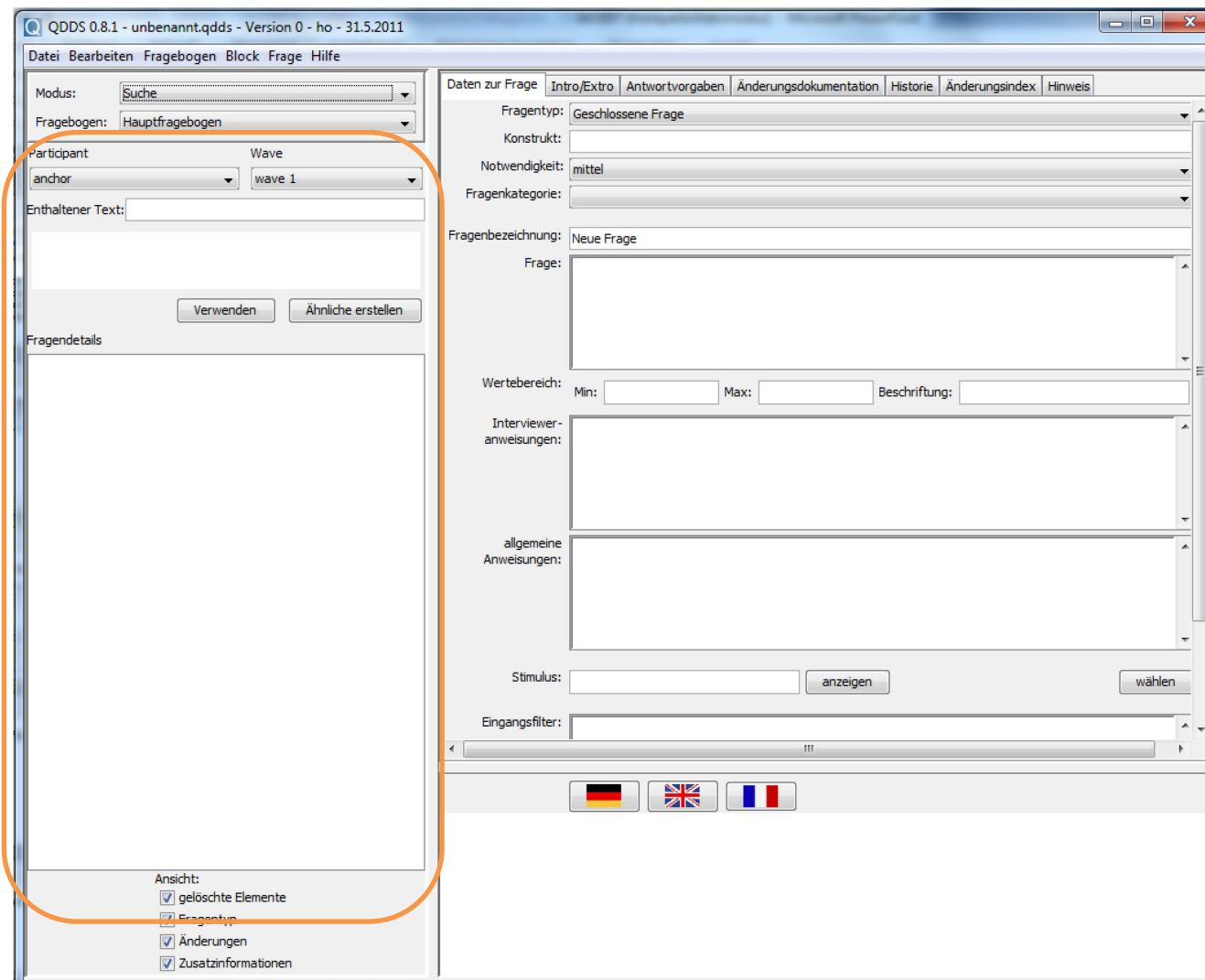
Mind the gap (within <DataCollection>)

- In which questionnaire to create a question?
- How to handle an <IfThenElse>?
 - How to bind it?
 - Where to show it?
- How to represent content related grouping?

User interface changes



User interface changes



User interface changes

Enthaltener Text:

Fragentyp:

Fragenbezeichnung:

Frage:

Missing interface

- `<CategoryScheme>` support on user interface level
 - Need for a second search mask with support for linking
 - Splitting category editing and filter definition

The near future

- Full DDI 3 support for questionnaire elements
- Searching within questions and answer defaults in the questionnaire document
- Preparing an external search
- Extended export facilities

Further ideas

- Interface to central q&a databases offering restfull services to deliver DDI 3
- Connection to archival and dissemination tools
- Preparing for open source

Questions

Feel free to ask now
or later during the conference...

...or email me: oliver.hopt@gesis.org