The development of multi-language questionnaires -

multi-stage checks and semi-automatization

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The Eurobarometer

Since 1973, an important tool for democracy and policymaking on the European level

"Commission should help to create a lively and autonomous European public opinion, which could then positively influence European integration (Schujit, 1972 –MEP)

- It is the biggest opinion tracking survey in the world, in terms of frequency, coverage and size of questionnaires.
- It allows academics to study trends and patterns in European opinions and understand more about how society changes through time, as well as the regional differences that exist in Europe.



Eurobarometer(s)

- Special purpose
 - Policy related
 - Focused on trends
- Transparency rule
- Structured processes in a pre-defined time frame (12 days, including back-translation)
- Two central elements
 - TNS QUEST database of questions, items, instructions, etc)
 - Network of Translators

It's repetitive in a certain sense

It's consistent

- Centralized operations, which take the certain aspects of different modes of data collection into account
- Homogeneous multi stage random sampling for F2F, adapted RDD design for CATI



TNS Translation tools

TNS Quest



 Creation of a questionnaire

 Implementation of translation

 draft questionnaire in the national language

questionnaire structure and

- document to be used as a basis requirements
- basic CAPI scripts
- datamap

Manuals and instructions



 Manuals for translation. revision and review

- Glossaries
- Detailed instructions adjusted to each survey

6DTV



 Interactive sessions with the whole team involved

information in Excel list format

- draft questionnaire in a Word for reformatting according to local
- interviewers" material

· homogenous translations and feedback on some key aspects of the questionnaire

- transfer of acquired experience and follow-up in case new members join the translation team
- · continuous high level of performance, even for newly recruited translators

 ensured communication between all teams

- all actors insights into the process
- valuable linguistic feedback at early stage of the process, when changes are still possible

What you get / Deliverables

Quantitative Eurobarometer: Geographical coverage



All MS of the EU +

Croatia, Turkey +

Iceland, Norway, Switzerland +

US





Eurobarometer(s) in figures

- Number of interviews = approx. 400 000 per year
- Number of questions asked = approx. 2500 per year
- Number of countries = up to 34
- Regional and national languages covered = 46
- Number of topics = 40-60 per year
- Reporting = up to 70 reports per year







Implementing translation

- Which kind of translation?
 - From scratch
 - Of trend questions
 - Of modified questions
- Who is doing the translation?
 - Human beings
 - Translators
 - Researchers
 - Field managers
 - Machines

- Translation of what?
 - Text passages
 - Survey instructions
 - Survey questions
- Translation, in which way
 - TRAPD (Translation, Review, Adjudication, Pretesting, Documentation), team
 - TBRA (Translation, Backtranslation, Revision, Adaptation)
 - TBRAP(Translation, Backtranslation, Revision, Adaptation, Pretesting)



Availability of translators



Network of trained translators

- Big network of certified translators
- Handpicked / tested
- All of them trained in survey research requirements
- Build experience
- Coordination in house
- International team for revision inhouse
- Local team for revision





Building a questionnaire



The evolution of a questionnaire

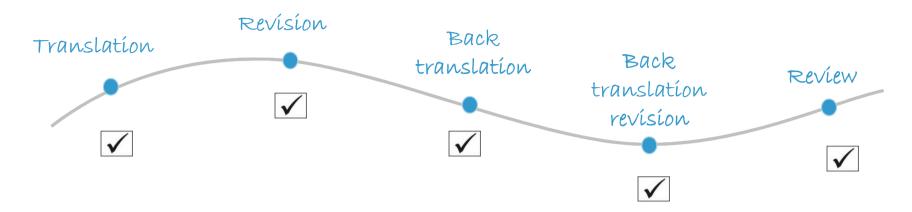
- Discussions with Policy officers and DG COM to draft a questionnaire
- Finalization of a preliminary draft (PA-1)
- Translation of the PA-1 into French to create a bilingual draft (sometimes three languages)
- Finalization meeting with survey experts and linguistic experts to evaluate the questionnaire in terms of transferability between two (three) languages and to highlight problematic aspects
 - Necessary to draft instructions for translators
- Approval by DG and DG COM
- Finalization of draft ready for translation process



Standardization of the process



Translation of a questionnaire and quality control

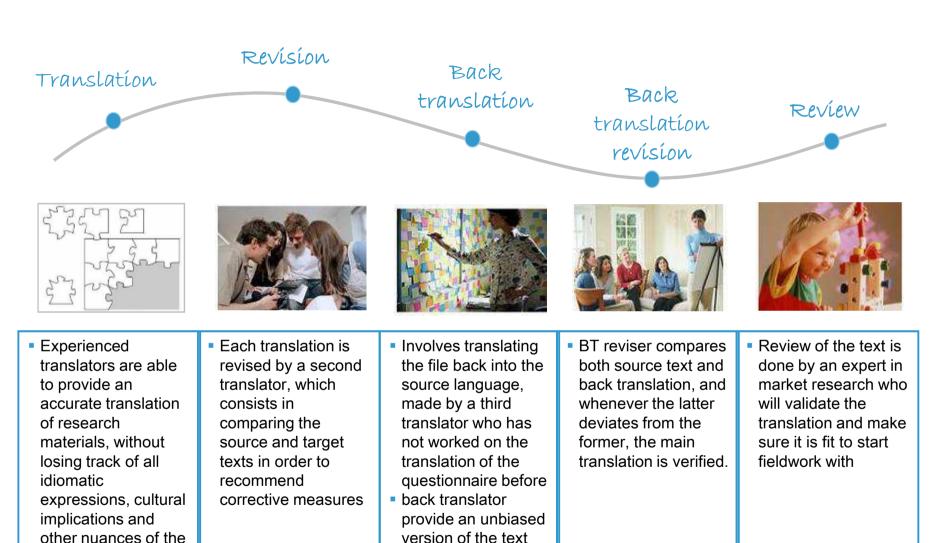


Full translation process

- Create a master questionnaire, have it translated and revised by our network of translators
- With the use of all or selected TNS translation tools



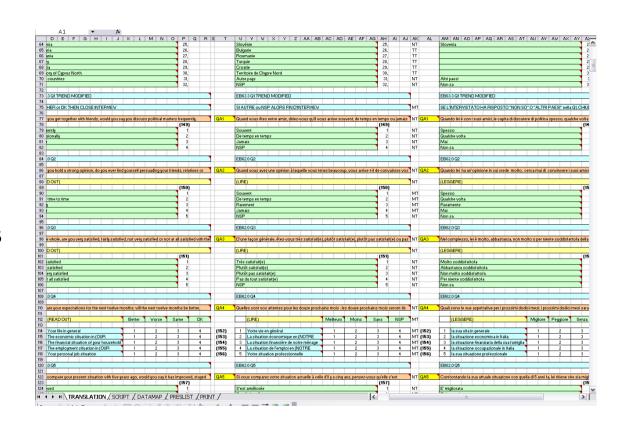
Translation Process



source text

Final product, linked to the purpose

- How to structure a process that leads to this output?
- How to ensure comparability?
- How to ensure that trends are respected?
- How to ensure that all elements are translated in all languages?
- How to ensure that all translators know what to do?





Building a source document and computer assistance



Database of Questionnaires

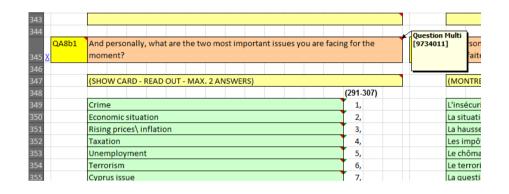
- all the players enrich a text data base with their translations and comments from screens
- different access privileges
- Recovery of existing translations from previous waves
- Questions, Items, Instructions

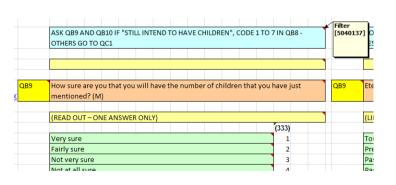


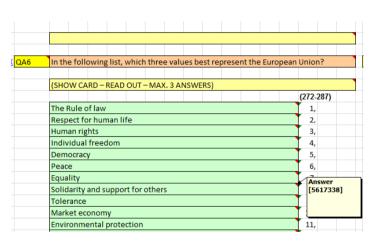


Complicated back and forward 1

- Coordination team builds bilingual questionnaire with automatic tools for trend questions, question formats, interviewer instructions, programming instructions
- Export of country specific questionnaires send out to translators



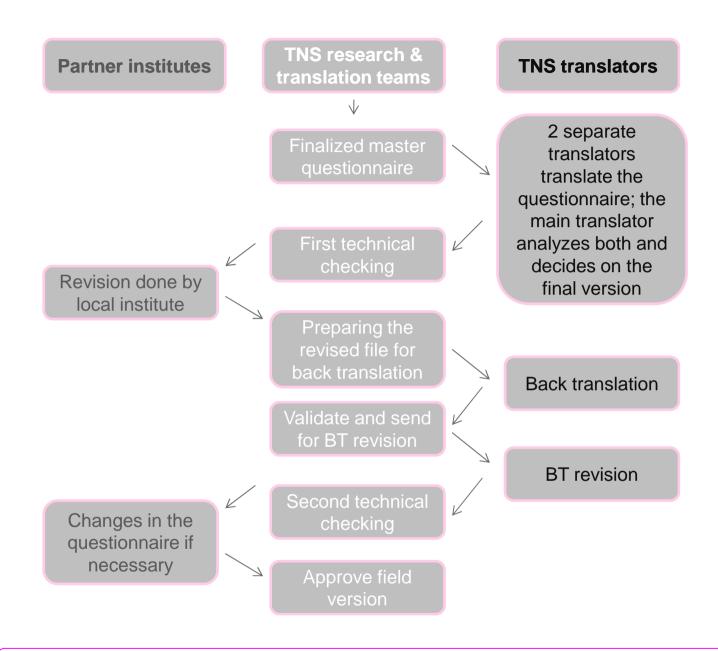






Translation process

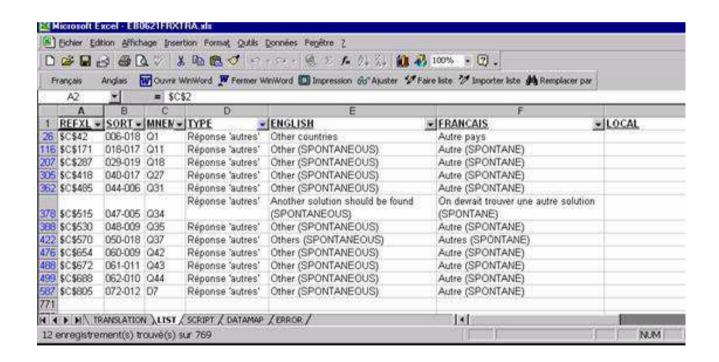




Experience shows that the complexity of this procedure is fully justified by the importance of the translation for the validity of results subsequently obtained

List function

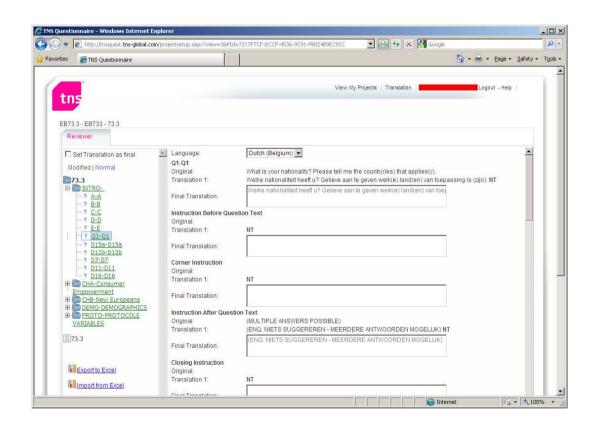
Allow a translator, to identify all identical elements in a questionnaire (scales etc.) and to translate them in a homogenous manner.





Structuring by using a tool

- Limit the exchange of Emails
- Work on the same basis, even if something was changed / adapted
- Organize the three steps between original questionnaire and final questionnaire





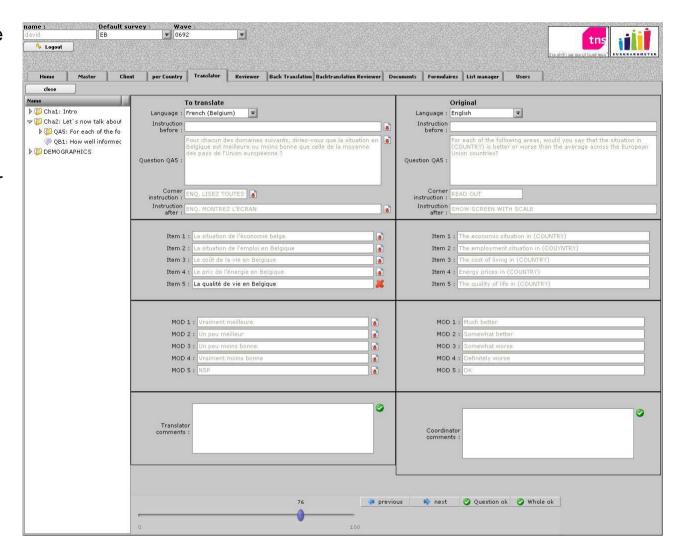
Complicated back and forward 2

- Coordination team builds bilingual questionnaire with automatic tools
- Export of country specific questionnaires send out to translators
- Two translators translate the questionnaire in parallel
- One of the two (pre-defined) will revise both translations and prepare one version
- A third translator will revise the translation

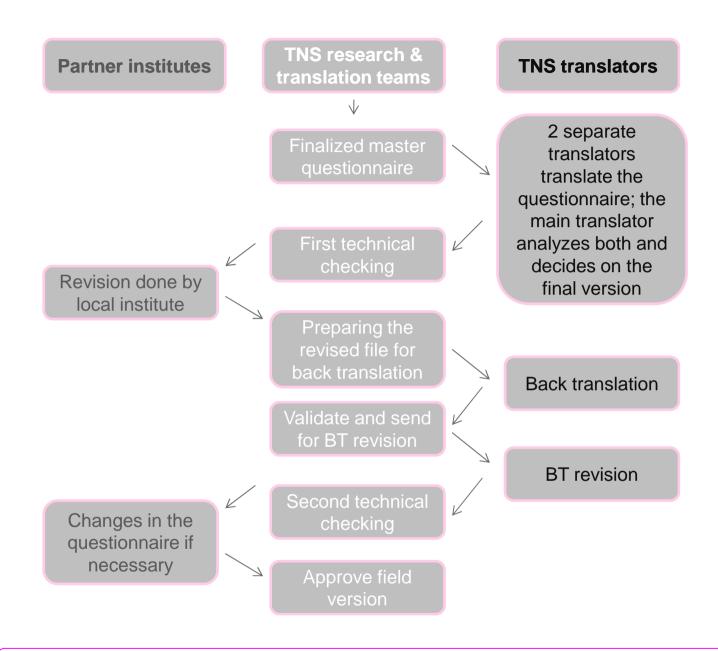


Initial-translation

- navigate in the questionnaire (tree view of the questionnaire to the left of the screen);
- translate the questions for which no translation is available in the data base for preceding waves (central portion);
- This translation is only available in "read-only" mode and can under no circumstances be edited.
- Signal a problem or a difficulty, this can be done using the comment area (especially for Trend questions)







Experience shows that the complexity of this procedure is fully justified by the importance of the translation for the validity of results subsequently obtained

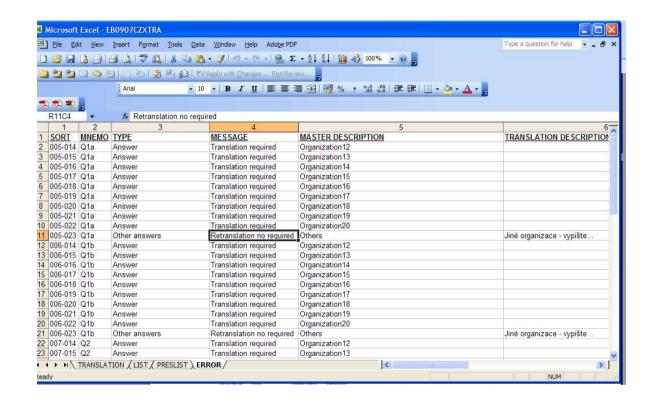
Complicated back and forward 3

- Coordination team builds bilingual questionnaire with automatic tools
- Export of country specific questionnaires send out to translators
- Two translators translate the questionnaire in the same time
- One of the two (pre-defined) will revise both translations and prepare one version
- T 3 will revise the translation
- Local institutes will revise the translation
- Automatic check against the database (Error function)



Error function

- To extract all items where a translation has been executed incorrectly.
- The tool provides to the proof-reader a list of elements where either a required translation has not been provided, or where a translation has been given where it should not have been (a trend question).

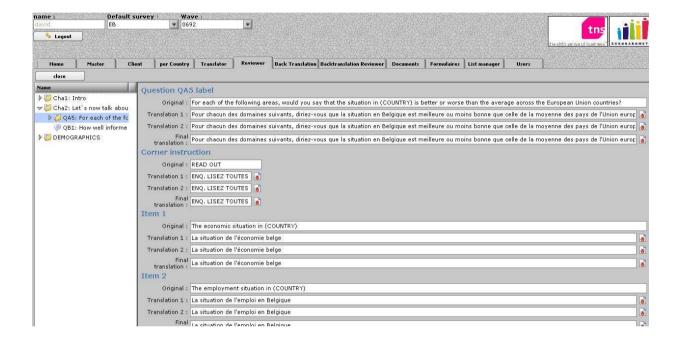


- This application gives a full guarantee that the trend translations remain untouched.
- This ensures that 100% of the questionnaire has been translated in an appropriate manner.



Final translation

- Stage before Backtranslation
- All the comments made about a given question are also visible
- Comparison of the two initial translations



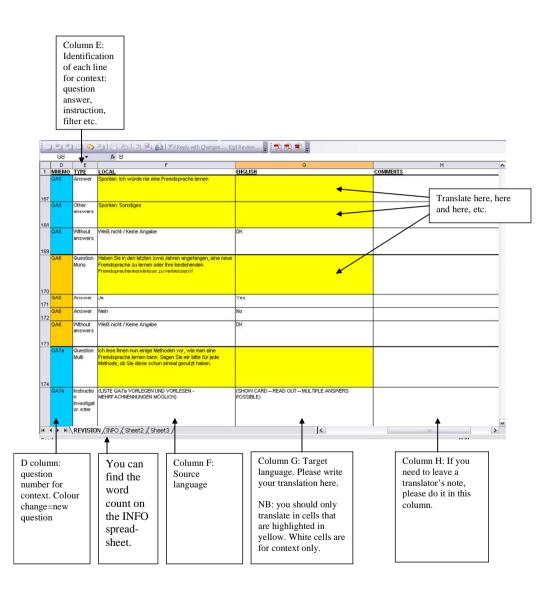


Complicated back and forward 4

- Coordination team builds bilingual questionnaire with automatic tools
- Export of country specific questionnaires send out to translators
- Two translators translate the questionnaire in the same time
- One of the two (pre-defined) will revise both translations and prepare one version
- T 3 will revise the translation.
- Local institutes will revise the translation
- Automatic check against the database (Error function)
- Start of Back-translation (T4)
- Revision of Back-translation (T5)
- Final questionnaire upload to data base
- Central sripting in all local languages



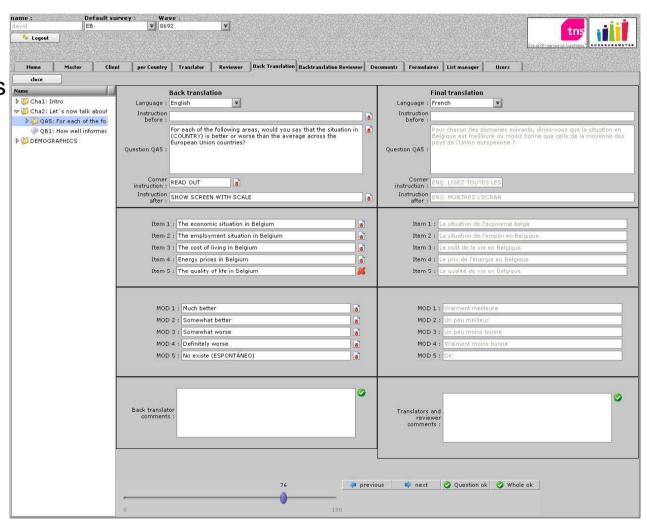
Guidelines for Back-translation





Back-translation

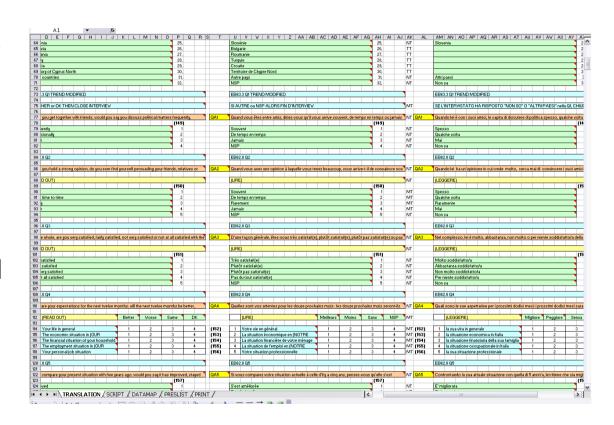
- The translator carrying out the backtranslation has access only to the final translation in "readonly" mode
- He / she was not involved in an early stage
- Recovery of existing translations from previous waves





Final product – country specific questionnaires and scripts

- Export the questionnaire with all the features for each country
- Questionnaire layout looks the same in all the countries
- Export final scripts for all countries





Conclusions





Human effort, but technical tools secure comparability

- Robustness Multistage checking by humans and machines
- Consistency of translations (trends dominates creativity)
- Transparency review research materials at any stage of the survey
- CAT approaches will be the next step
- Database enables researchers to easily track back questions



