Euro Question Bank: Microservices and UI for fielded survey question search

Presentation at the EDDI Conference 2020

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cessda.eu   @CESSDA_Data

Outline

1. The CESSDA EuroQuestionBank Project

2. User Interface

3. Architecture

4. Requirements for Service Providers

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The EQB project

Existing question data banks for social science survey research mainly operate at the national level.

limited pool of available questions

EQB displays survey questions from CESSDA members.

a cross-national question bank with a central search facility

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Euro Question Bank
EQB

CESSDA EQB project members

Members
Partners

https://www.cessda.eu/

Use cases of EQB

- browse and discover questions

- access study-related information and documentation

- compare and export survey items

EQB metadata schema

Mandatory

Question (text/ID)

Study title

URL/Name of Service Provider

Publication year

Recommended

Study PID

Time method

Country

Sampling procedure

Mode of collection

Data collection date

…

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UI: Start page

Search all fields & all languages

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EQB European
Question Bank

| Q leeftijd| | | All languages [all] ∨ |

Clear search

4 results found in 12ms

Page size

| 10 | 50 | 100 | 500 |

Sort by

Relevance ∨

Selected filters

Interview language ❓

☐ al-xk   1
☐ az-az   1
☐ bg-bg   1

View all

Filters

Question texts [all]

Q Search in questions texts

Study titles [all]

Q Search in study titles

Pre- and post-question texts [all]

Q Search in pre- and post-question tex

🛒 Add all to basket   ☰ Add all to comparison

🛒 ☰ | English ∨ |

Question Text
Below we ask that you enter ages. You may enter any age you wish, the question is what you think and not what the law permits or prohibits. If at no age at all, please enter 0 (zero).
no title

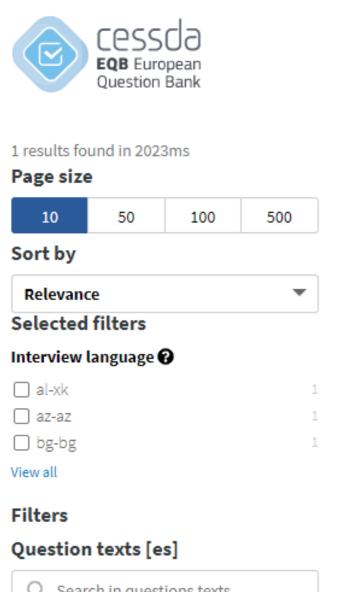| Question details | Study details |

🛒 ☰ | English ∨ |

Question Text
[Have you ever experienced any of the following events?]
European Values Study 2008: Integrated Dataset (EVS 2008)

| Question details | Study details | Documentation | Response categories |

🛒 ☰ | English ∨ |

Search in all fields in Spanish

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EQB European
Question Bank

empleo

Spanish [es]

Clear search

1 results found in 2023ms

Page size

| 10 | 50 | 100 | 500 |

Sort by

Relevance

Selected filters

Interview language ?

- al-xk   1
- az-az   1
- bg-bg   1

View all

Filters

Question texts [es]

Search in questions texts

Study titles [es]

Search in study titles

Pre- and post-question texts [es]

Search in pre- and post-question tex

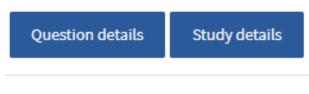Add all to basket   Add all to comparison

English

Question Text

What was the name or title of your father's [mother's] job?
European Values Study 2008: Integrated Dataset (EVS 2008)

| Question details | Study details | Documentation | Response categories |

Search in question texts in Dutch

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🔍 [   ]   [Dutch [nl]   ▼]

Clear search

4 results found in 15ms
Page size
[**10**] [50] [100] [500]

Sort by
[Relevance   ▼]

Selected filters

Questions texts: leeftijd

Interview language ❓

☐ al-xk   1
☐ az-az   1
☐ bg-bg   1

View all

Filters

Question texts [nl]

[🔍 leeftijd   x]

Study titles [nl]

[🔍 Search in study titles   ]

Pre- and post-question texts [nl]

🛒 Add all to basket   ☰ Add all to comparison

🛒 ☰ [English   ▼]

Question Text
[Have you ever experienced any of the following events?]
European Values Study 2008: Integrated Dataset (EVS 2008)

[Question details] [Study details] [Documentation] [Response categories]

🛒 ☰ [English   ▼]

Question Text
Below we ask that you enter ages. You may enter any age you wish, the question is what you think and not what the law permits or prohibits. If at no age at all, please enter 0 (zero).
no title

[Question details] [Study details]

🛒 ☰ [English   ▼]

Alphabet support

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163 results found in 12853ms

Page size

| 10 | 50 | 100 | 500 |

Sort by

Relevance

Selected filters

Interview language ❓: al-xk

Interview language ❓

☑ **al-xk**   163

☐ az-az   163

☐ bg-bg   163

View all

Filters

Question texts [all]

🔍 Search in questions texts

Study titles [all]

🔍 Search in study titles

Pre- and post-question texts [all]

🔍

Clear search

All languages [all]

🛒 Add all to basket   ≣ Add all to comparison

🛒 ≣ Georgian ⌄

Question Text

თუ არა Q75 შეკითხვაში: რომელი პარტიაა თქვენს შეხედულებებთან ყველაზე ახლოს?

European Values Study 2008: Integrated Dataset (EVS 2008)European Values Study 2008: Integrated Dataset (EVS 2008)European Values Study 2008: Integrated Dataset (EVS 2008)

| Question details | Study details | Documentation | Response categories |

🛒 ≣ Montenegrin ⌄

Question Text

Ovdje je lista prihoda i voljeli bismo znati u koju kategoriju pripada Vaše domaćinstvo. Ubrojite u prihod sve plate, honorare, penzije i druge prihode koji pristižu. Molim Vas da mi samo kažete slovo ispred kategorije u koju pripada vaše kućanstvo. U prihod računajte sredstva kojima raspolažete nakon plaćanja svih poreza i doprinosa.

European Values Study 2008: Integrated Dataset (EVS 2008)European Values Study 2008: Integrated Dataset (EVS 2008)European Values Study 2008: Integrated Dataset (EVS 2008)

| Question details | Study details | Documentation | Response categories |

Response categories

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Question Bank

leeftijd

All languages [all]

Clear search

4 results found in 12ms

Page size

| 10 | 50 | 100 | 500 |

Sort by

Relevance

Selected filters

Interview language ❓

☐ al-xk   1
☐ az-az   1
☐ bg-bg   1

View all

Filters

Question texts [all]

🔍 Search in questions texts
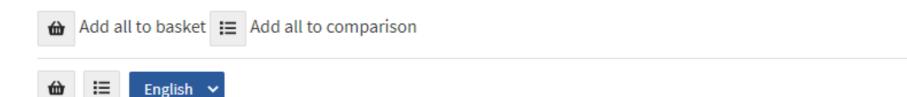
Study titles [all]

🔍 Search in study titles

Pre- and post-question texts [all]

🔍 Search in pre- and post-question tex

Response categories [all]

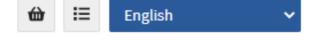🛒 Add all to basket   ☰ Add all to comparison

🛒 ☰ English ⌄

Question Text

Below we ask that you enter ages. You may enter any age you wish, the question is what you think and not what the law permits or prohibits. If at no age at all, please enter 0 (zero).
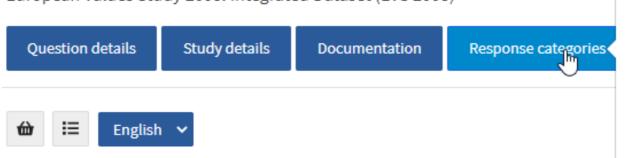
no title

| Question details | Study details |

🛒 ☰ English ⌄

Question Text

[Have you ever experienced any of the following events?]
European Values Study 2008: Integrated Dataset (EVS 2008)

| Question details | Study details | Documentation | Response categories |

🛒 ☰ English ⌄

Question Text

Response categories

Order	Answer code	Response category
0	-5	other missing
1	-4	question not asked
2	-3	not applicable
3	-2	no answer
4	-1	don't know

Question details

Question details

Display language: az-az ▾

See all questions of this study 🛒 ☰

Question number:	
Question text:	YOX cavabı təgdirdə: Hansı partiya Sizə daha uyğun gəlir?
Name:	
Subquestion number / text:	
Pre-/Post-question text:	
Question ID:	Q92
Version:	1.0.0
Interviewer instructions:	RESPONDENTƏ 75b№-LI KARTI VERIN
Variables:	v265 | which political party appeals to you most (Q75b)
Concepts:	
Concept Descriptions:	
Response categories (codes):	

Order	Answer code	Response category

Study details

Study details

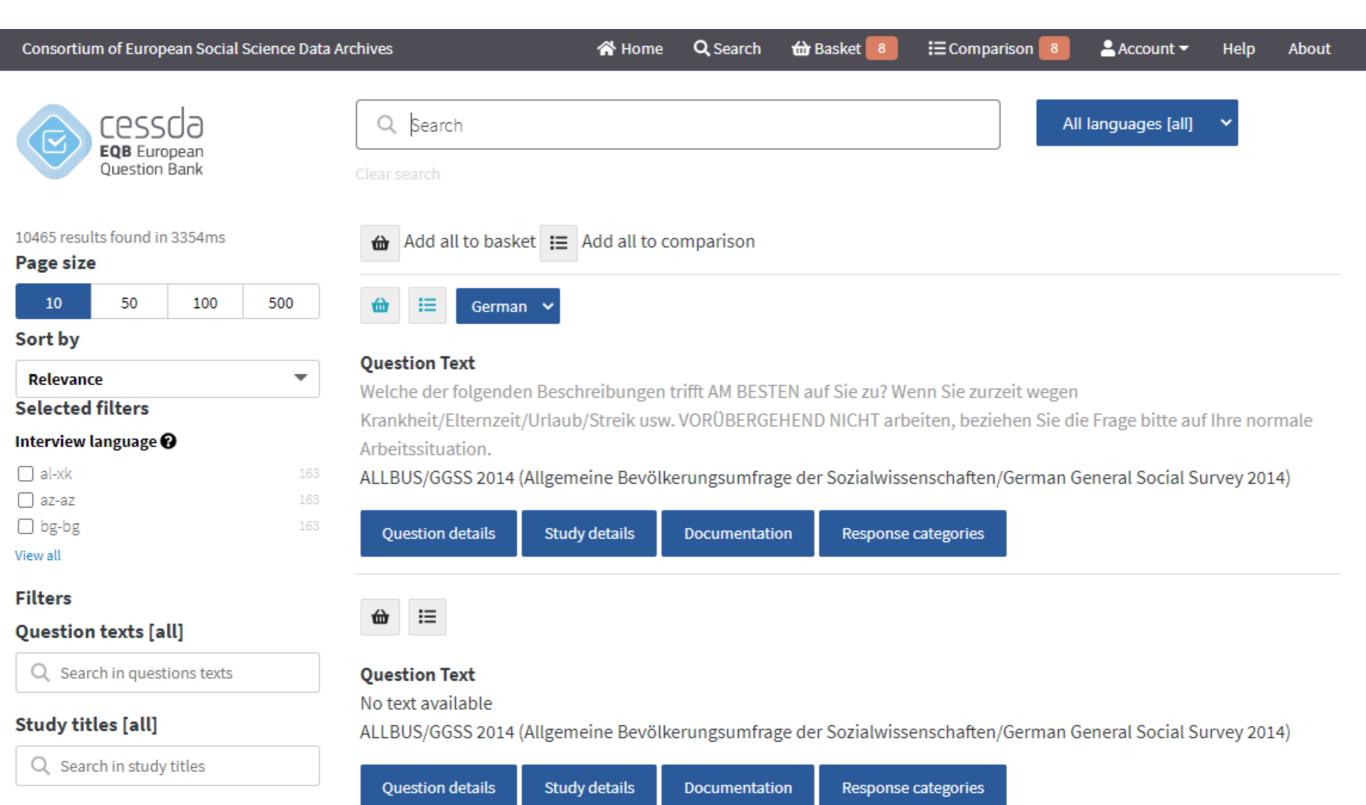|	
Title	ALLBUS/GGSS 2014 (Allgemeine Bevölkerungsumfrage der Sozialwissenschaften/German General Social Survey 2014)
Citation:	ALLBUS/GGSS 2014 (Allgemeine Bevölkerungsumfrage der Sozialwissenschaften/German General Social Survey 2014), 2018, ZA5240, Version 2.2.0, doi:10.4232/1.13141
Study PID/number:	ZA5240_SU
Further information on study and data:	n/a
Versionnumber/-date:	2.2.0/2018-09-13
Link to study in CESSDA Data	datacatalogue.cessda.eu/study/pid?q=10.4232/1.13141
Abstract: Methodology	Social monitoring of trends in attitudes, behavior, and societal change in the Federal Republic of Germany. ...(read more)
Data collection period:	Start: 2014-03-24 End: 2014-09-13
Time dimension: ❓	Cross-section n/a
Sampling procedure: ❓	Probability: Stratified: DisproportionalProbability: Multistage Zweistufige, disproportional geschichtete Zufallsauswahl in Westdeutschland (incl. West-Berlin) und Ostdeutschland (incl. Ost-Berlin). In der ersten Auswahlstufe wurden Gemeinden in Westdeutschland und in Ostdeutschland mit einer Wahrscheinlichkeit proportional zur Zahl ihrer erwachsenen Einwohner ausgewählt. In der zweiten Auswahlstufe wurden Personen aus den Einwohnermeldekarteien zufällig gezogen. Zielpersonen mit nicht hinreichend guten Deutschkenntnissen zählen zu den systematischen Ausfällen.
Data collection mode: ❓	Face-to-face interview: Computer-assisted (CAPI/CAMI)Self-administered questionnaire: Computer-assisted (CASI) Persönlich-mündliche Befragung mit standardisiertem Frageprogramm (CAPI – Computer Assisted Personal Interview), zwei Zusatzbefragungen als CASI (Computer Assisted Self-Interview) im Rahmen des ISSP (Splitverfahren).

Download Documentation

Study documentation details for ALLBUS/GGSS 2014 (Allgemeine Bevölkerungsumfrage der Sozialwissenschaften/German General Social Survey 2014)

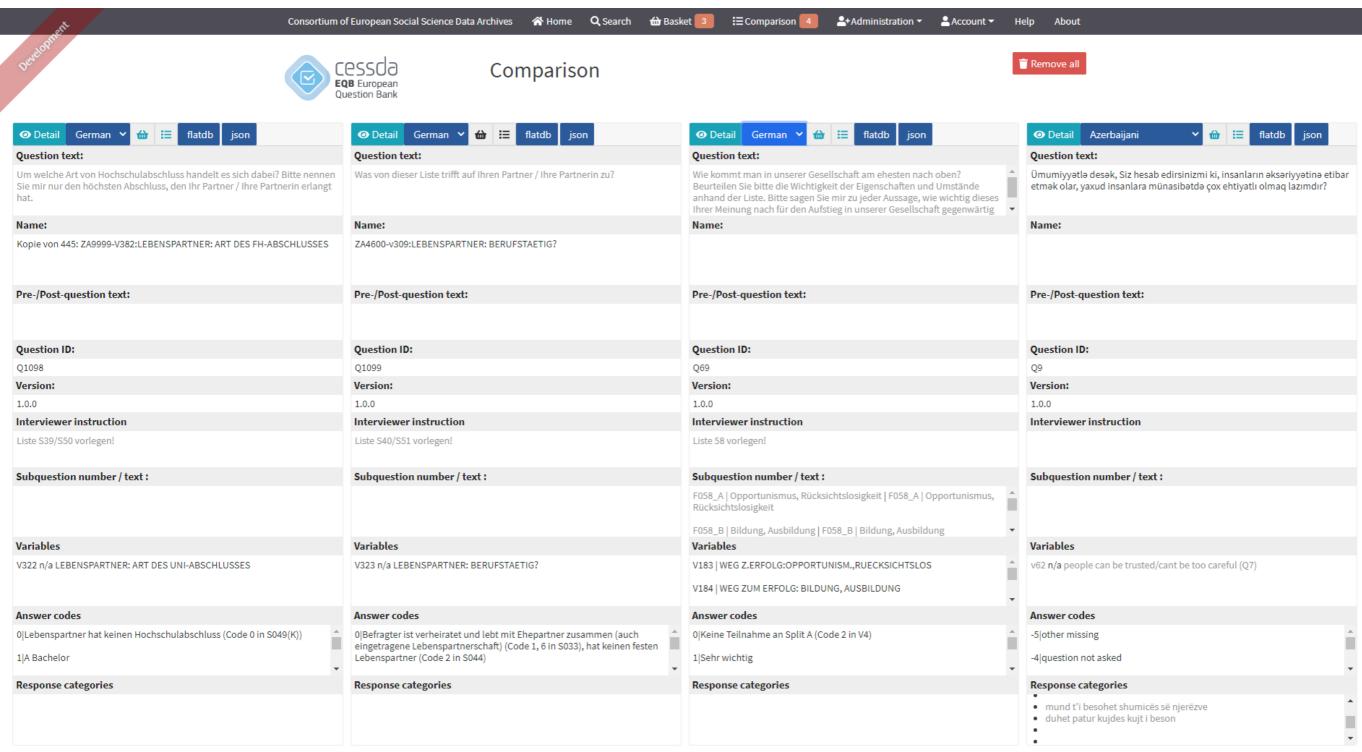| Title	Type:
No link or title provided	OriginalLiterature
No link or title provided	OriginalLiterature
ZA5240_cdb.pdf (Codebuch)	Codebook
ZA5240_Supplement_Alter.pdf (Codebuch)	Codebook
ZA5240_Supplement_Erhebungsgebiet.pdf (Codebuch)	Codebook
ZA5240_Supplement_Geschlecht.pdf (Codebuch)	Codebook
ZA5240_Supplement_Konfession.pdf (Codebuch)	Codebook
ZA5240_v2-2-0.dta.zip (Datensatz)	Dataset
ZA5240_v2-2-0.sav (Datensatz)	Dataset
ZA5242_q.pdf.txt (Fragebogen)	Questionnaire
ZA5240_fb.pdf (Fragebogen)	Questionnaire
ZA5240_mb.pdf (Methodenbericht)	Method Report

Comparison and Basket

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EQB European
Question Bank

🔍 Search

All languages [all] ▾

Clear search

10465 results found in 3354ms

Page size

| 10 | 50 | 100 | 500 |

Sort by

Relevance ▾

Selected filters

Interview language ❓

☐ al-xk   163
☐ az-az   163
☐ bg-bg   163

View all

Filters

Question texts [all]

🔍 Search in questions texts

Study titles [all]

🔍 Search in study titles

🎒 Add all to basket   ☰ Add all to comparison

🎒 ☰ German ▾

Question Text

Welche der folgenden Beschreibungen trifft AM BESTEN auf Sie zu? Wenn Sie zurzeit wegen Krankheit/Elternzeit/Urlaub/Streik usw. VORÜBERGEHEND NICHT arbeiten, beziehen Sie die Frage bitte auf Ihre normale Arbeitssituation.

ALLBUS/GGSS 2014 (Allgemeine Bevölkerungsumfrage der Sozialwissenschaften/German General Social Survey 2014)

| Question details | Study details | Documentation | Response categories |

🎒 ☰

Question Text

No text available

ALLBUS/GGSS 2014 (Allgemeine Bevölkerungsumfrage der Sozialwissenschaften/German General Social Survey 2014)

| Question details | Study details | Documentation | Response categories |

Comparison

Basket

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EQB European
Question Bank

Questions marked for export

📄 all as PDF 🗑 Remove all

Study ⇕	Question ID and Version ⇕	Text	📄		
ZA5240_SU	ZA5240_Q569_1.0.0	Welche der folgenden Beschreibungen trifft AM BESTEN auf Sie zu? Wenn Sie zurzeit wegen Krankheit/Elternzeit/Urlaub/Streik usw. VORÜBERGEHEND NICHT arbeiten, beziehen Sie die Frage bitte auf Ihre normale Arbeitssituation.	📄 PDF	🛒	👁 View question
ZA5240_SU	ZA5240_Q205_1.0.0	Sagen sie mir bitte, in welchem Monat und in welchem Jahr {notiz} geboren wurde?	📄 PDF	🛒	👁 View question
ZA4800_SU	ZA4800_Q92_1.0.0	[Q75: If there was a general election tomorrow, can you tell me if you would vote?]	📄 PDF	🛒	👁 View question
St0adc3e7c-d000-42ca-96a5-4dfd51156de6	Qu6734d482-1bbb-49e4-b250-48413082e503_1.0.0	Did you have enough money in your family budget to afford health care, medicals, etc.in 1993?	📄 PDF	🛒	👁 View question
su_5DFB687E-08A3-42A5-A1EE-F803794ABF53	Q4724_1.0.0	For the following questions we would like to know what you think, not what is permitted or prohibited by law. From what age do you find it acceptable that someone: If at no age at all, please enter 0 (zero).	📄 PDF	🛒	👁 View question
su_5DFB687E-08A3-42A5-A1EE-F803794ABF53	Q4889_1.0.0	Over the past 30 days, on how many days per week on average did you:	📄 PDF	🛒	👁 View question
su_5DFB687E-08A3-42A5-A1EE-F803794ABF53	Q4740_1.0.0	Please indicate whether you feel that government policy concerning the following issues is, generally speaking, too permissive, suitable as it is, or too strict?	📄 PDF	🛒	👁 View question
su_5DFB687E-08A3-42A5-A1EE-F803794ABF53	Q4861_1.0.0	Do you know someone else that:	📄 PDF	🛒	👁 View question

Content

 # Countries

55
Countries

 # Studies

302
Studies

 # Questions

37,238
Questions

Countries - Languages

- sv
- en
- de-de
- gr
- cs
- fi
- it-it
- en-gb-gbn
- de-at
- fr-fr
- es-es
- fi-fi
- pt-pt
- en-gb-nir
- en-ie
- en-gb
- al-xk
- az-az
- bg-bg
- bs-ba
- cnr-me
- cs-cz
- el-cy
- et-ee

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Architecture

GESIS UKDA SND FORS You?

DDI Files **OAI-PMH**

flatb.import

flatb.convert

oai.harvester

file.harvester

DDI

DDI Instances

1.2
2.5
3.1
3.2

flatdb
git

Indexing

elasticsearch

Search

UI

API
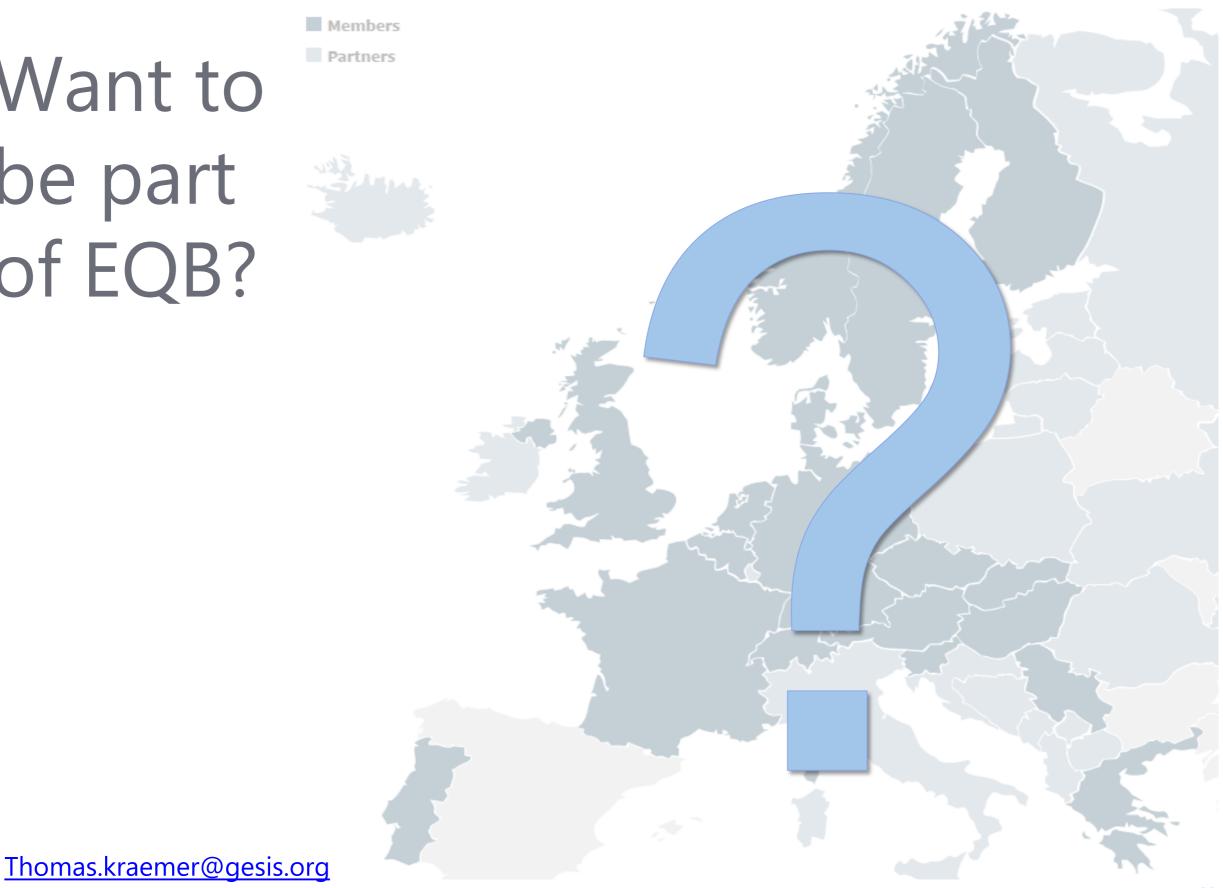
HTTP

USER

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Challenges

- Different DDI versions and interpretations
  - DDI Converter
    (see presentation „A converter for DDI: From CodeBook to Lifecycle" today at 15.20 PM)
- SPs have hard time providing DDI compatible files
  - regular support and feedback needed, DDI training for SPs would be useful
- SPs do not have question-level metadata documentation
  - use of questionnaire editing tools, e.g. the GESIS Questionnaire Editor
- CV elements in EQB require an xml:lang element/attribute, which is not available in DDI 3.2
  (e.g. Contributor Role and Analysis Unit)
  - issue could not be solved, also not with DDI issue tracker

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Want to be part of EQB?

Members

Partners

Requirements for providers

- ☑ Contact us (Thomas.Kraemer@gesis.org)

- ☑ Use DDI: https://ddialliance.org/

- ☑ Improve your metadata documentation

- ☑ Make your metadata available (preferred via OAI-PMH) https://www.openarchives.org/pmh/ or file-based

Thank you!

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