

The European Commission's science and knowledge service

Joint Research Centre



Surveys on distributed natural gas quality

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Survey 2, Gas Quality Study – Distributed gases

DSOs and End-Users data collected through EU-Survey.

TSO input data gathered by ENTSOG with a parallel exercise.

The survey has the intention to:

"... collect gas quality information from a variety of representative points for end use, in different European regions or member states".

Survey 2, Gas Quality Study – Distributed gases

Survey 2, main aim

- information on the currently distributed natural gas quality in different European member states for mapping relevant national and sectorial situations and experiences to support the elaboration of scenarios and assessments in TF 1.

Detailed information and adequate data coverage, both in terms of time-span and geography, are necessary for enabling a reliable analysis and deriving meaningful conclusions.

Survey 2, data collected

- The time period covered is from 01/01/2015 until 31/12/2016.
- The data requested for the time series are Superior Wobbe Index and Superior Calorific Values.
- Instructions on how to choose and label the monitoring points and how to produce the time series files are given.
- Preferred reference conditions, units and time granularity are stated, but respondents had flexibility and full control in their choices.

Survey 2, confidentiality of end-user data

Survey 2 data:

Confidentiality was discussed explicitly with JRC legal services and based on previous experiences with similar exercises.

The **Permitted Purpose and Use** of the collected **commercial sensitive information** are:

- to collect data (time series) on Superior Wobbe Index and Gross Calorific Value;
- to process and to analyse the data for the scope of the survey;
- to share the aggregated and anonymised data within the partners of the Project;
- to publish the aggregated and anonymised data and maps in scientific publications and reports made available to the public or of public domain.

At least three data sets

Survey 2, Gas Quality Study – Distributed gases

Current status:

- Survey distributed to national mirror committees, with the request to send out to DSOs and end-users.
- Deadline extended to 15.09.2017.
- More contributions still expected.
- Final deadline to be set in agreement with WG.

Data received

Member state	Total number of points
Austria (AT)	21
Belgium (BE)	3
Germany (DE)	32
Spain (ES)	3
France (FR)	1
Italy (IT)	14
Netherlands (NL)	7
Poland (PL)	11
Sweden (SE)	6
United Kingdom (UK)	?

Type of Point	Total number of points
Distribution Line	31
Residential	0
Commercial	2
Industry - combustion	16
Industry - non combustion	6
Power generation	4
District heating	0
Biomethane injection point	5
Multiple assignments	34

Time granularity	Total number of points
Month	2
Day	5
Hour	75
30 min	1
15 min	6
5-10 min	6
1 min	1
Irregular	2

30+ participants to the survey
 Of the 98 data sets received, 69 were analysed for joint workshop



Any questions?

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