

# HIPS NET next steps and organisational aspects

**Gert Müller-Syring**

2<sup>nd</sup> HIPS-NET Workshop

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# AGENDA

- ++ HIPS-NET Status
- ++ Finalised, running and open actions
- ++ Working plan year 3
- ++ Open issues



# HIPS-NET STATUS



## HIPS-NET status

Stable base of 30 members continues for the 2<sup>nd</sup> year



- The network initially had the target to attract 30 partners.
- The number of HIPS-NET paying partners is stable with **30 organisations** in the 1<sup>st</sup> and in the 2<sup>nd</sup> year.
- 16 contracts had a “to be renewed every year” clause and ran out in 2014. 14 out of 16 decided to extend their membership for the following network year(s).
- nPlan (DE) and Fluxys (BE) have not renewed their membership by now.
- All contracts got now an automatic prolongation if the partner does not resign 3 month prior to the project year.
- GDF SUEZ (FR) and NAFTA a.s. (SK) joined HIPS-NET.

# HIPS-NET status

## Partners



1	Alliander, Netherlands	17	Infraserv GmbH & Co. Höchst KG, Germany
2	DEA Deutsche Erdoel AG, Germany	18	ITM-Power, United Kingdom
3	DGC, Denmark	19	KOGAS, South Korea
4	DNV GL, United Kingdom	20	NAFTA a.s, Slovakia
5	E.ON New Build & Technology, UK	21	Open Grid Europe, Germany
6	Enagas, Spain	22	ÖVGW, Austria
7	Energiforsk, Sweden	23	RAG Rohöl-Aufsuchungs AG, Austria
8	Energinet, Denmark	24	RWE Deutschland, Germany
9	Energy Technology & Innovations Canada	25	Shell, Netherlands
10	EWE AG, Germany	26	Solar Turbines Europe S.A., Belgium
11	Gasnatural, Spain	27	SVGW, Switzerland
12	Gasum OY, Finland	28	Synergrid, Belgium
13	Gasunie, Netherlands	29	Verband der Chemischen Industrie, Germany
14	GDF SUEZ, France	30	Volkswagen AG, Germany
15	GRTgaz, France		GERG, Belgium
16	grzi, Germany		

# FINALISED, RUNNING, AND OPEN ACTIONS





## ■ Technical report year 1

- Will be distributed in the summer break, as
- topical summary of the newsletter contents that will act as a information compendium, and
- will contain an organizational paragraph.

## ■ The suggestion to use the additional budget for preparation of an overview of regulatory hydrogen limitations in the natural gas grid in Europe in cooperation with Marcogaz was supported by the attending partners in the workshop last year.

- no additional budget but task is still running supported by the Marcogaz group (focal point José). The overview will be made available as soon as there is an approval of the Marcogaz group. Thanks to José.

## Finalised, running and open actions Year 2 mandatory actions



- ✓ Adaptation of contracts to continuous duration,
- Investigation of latest information on hydrogen tolerance projects,
- Preparation and issue of quarterly newsletters,
- ✓ Realisation of the 2<sup>nd</sup> annual workshop,
  - Preparation of a short report, summarising the latest findings, and
  - Preparation of three to four draft proposals concerning the defined core topics.



## Finalised, running and open actions Year 2 additional scope



- Launch of the HIPS-NET website
  - Budget is not available at the moment but opportunities have been investigated
  - Technical suggestion is to have two pages as a starting point
    - Presentation of the network and the partners in the public area
    - Availability of NL, links, publications in a secured area
  - Integration into existing web site DBI group
    - approx. € 2,500 + annual cost (only adaptations)  
([www.dbi-gruppe.de/hips-net.html](http://www.dbi-gruppe.de/hips-net.html))
  - Independent website as a standalone solution
    - approx. € 5,000 + annual cost for web host/adaptations, [www.hips-net.xyz](http://www.hips-net.xyz)
  - we could initiate the process being confident that our network will grow
- Intention to forward HIPS-NET information to European Commission on open R&D questions for selected topics (via GERG)



- CNG vehicle tanks (in preparation > GERG project; partners may join upon interest)
  - Internal approval is still missing
  - We will investigate if a parallel way forward is feasible
  - Please indicate interest
  
- Identifying the number and distribution of sensitive elements (turbines, chemical plants, e.g.) > suggested to be launched as a GERG project
  - Initiation open



- Safety: calculation of Ex-zones and calculation of flammability temperatures - suggested to be launched as a GERG project
  - National project initiated (BAM), DBI is partly involved. Results should be used as basis for identification of open issues and (maybe) definition of activities.



- It was suggested that a European map of P2G projects should be prepared. (This could be done by DBI as “additional scope”)
  - First map has been distributed with the 5<sup>th</sup> newsletter but will be updated.
- Technical standardisation issues should be addressed at the European Commission. (Course of action (who, when, preconditions, etc) requires discussion. Could be realised with support of MARCOGAZ, GERG, and DBI.)
  - A link and active cooperation with SFEM WG Hydrogen have been establ.
- Development of a complete list of applications in the gas infrastructure that are sensitive to hydrogen in the natural gas.
  - Not initiated as no starting point and quite complex – still of interest?
- Identification and evaluation of open issues on safety, in particular calculation of Ex-zones according to the ATEX directives.
  - Basis actions with BAM results (conclusions) will be shared and subsequently decided whether or not this topic needs further attention

# WORKING PLAN YEAR 3



## Working plan year 3

### Mandatory scope based on HIPS-NET agreement



- Investigating of latest information on hydrogen tolerance/projects
- Preparing and issuing a quarterly newsletter
- Launching HIPS-NET website
- Preparing and holding up an annual workshop (22<sup>nd</sup> /23<sup>rd</sup> June 2016)
- Preparing a short report that summaries the latest findings.

## Working plan year 3

Additional scope depending on available budget



- Following the safety issues and evaluation if this issue should be investigated by GERG/our group.
- Maintaining the link to SFEM WG Hydrogen
- Investigation of upgrading HIPS-NET to a focal point for hydrogen related project in cooperation of GERG and Marcogaz.
- Further identifying topics that are of interest for the members and may be addressed within GERG or on that the EC should be informed.

# OPEN ISSUES?





Thank you for your attention!

## Contact

**Gert Müller-Syring**

Head of Department Gas Grids

DBI Gas- und Umwelttechnik GmbH  
Karl-Heine-Straße 109/111  
D-04229 Leipzig

Tel.: (+49) 341 24571-29

Fax: (+49) 341 24571-36

E-Mail: [gert.mueller-syring@dbi-gut.de](mailto:gert.mueller-syring@dbi-gut.de)

Web: [www.dbi-gut.de](http://www.dbi-gut.de)

