



HIPS-NET STATUS REPORT YEAR 9

“ESTABLISHING A PAN-EUROPEAN UNDERSTANDING OF ADMISSIBLE HYDROGEN CONCENTRATION IN THE NATURAL GAS GRID”

This status report summarises HIPS-NET activities throughout the preceding year and gives an overview on the spending of financial means. The ninth network year commenced officially in October 2021 and finished in September 2022.

1. DBI issued **newsletters** to inform on latest available knowledge around the core topics:

- Gas turbines and engines
- Porous underground gas storage
- Steel CNG1 vehicle tanks
- Natural gas as working medium / interconnection of different industries
- Cross border transmission
- Safety characteristics of H₂/natural gas blends
- Energy metering
- Standardisation, regulatory framework
- Pure hydrogen infrastructure
- Education and certification of operators

We additionally kept a minor focus on the general development of hydrogen projects/strategies, power-to-gas, and further topics around the utilisation of (renewable) hydrogen.

This year we published six newsletters (newsletter #36 – newsletter #41) with a total of 27 articles. Consequently, we have reached the agreed scope (six newsletters per year) with the newsletter in December 2022 (newsletter #41).

2. The **annual meeting in June 2022** was special again, due to Covid19. DBI organised an online meeting with Microsoft Teams, with two different sessions, surveys with Mentimeter and wonder.me for free exchange. Gert guided us through the 2 days' meeting with support of James, Isabel, Philipp, Nazika, Manon, Eric, Elbert and Huib (presentations) and Alexandra, Amine and Jenny (moderation of the sessions). Thank you to everyone. And thank you for the feedback and participation. We hope we will see us in Brussels next time.

Go to www.menti.com and use the code 3795 8754

2nd day - What did you like today?

Mentimeter

Best DBI Team !!	The presentations and discussion as always	Interesting on transport. I hear many different thoughts on suitability of existing infrastructure.
Learning about new projects	interesting presentations and very open discussions	

Voting is closed



The workshop presentations were disseminated between the partners and uploaded in the members' area of the HIPS-NET website.

Additional scope / tasks: The survey during the workshop revealed ideas that are stronger supported by the members.

- ⇒ All core topics are interesting and will be maintained.
- ⇒ We will try to find enough new partners and raised the membership fee for new partners to 2500 euros.

3. Additional Scope: Activities around the **HIPS-NET website** are as usual. We did not give it special attention and mainly updated the website with (new logo, current partners, and documents in the Members' Area, etc). The HIPS-NET **website** supports the public recognition and provides a base for the documentation of newsletters, presentations, status report, etc. It has a public part with general information about HIPS-NET which is kept rather simple to provide necessary information. The other part, the members' area, is secured by individual login and password. The members' area contains several documents for download, such as newsletters, publications, presentations, reports and the Power-to-Gas database. The network is prominently displayed with a link on <http://gerg.eu/>. The website address is <http://www.dbi-gruppe.de/hips-net.html>. We will probably update the website in 2023.

We have developed a **campaign to gain new members**. This includes building a dedicated channel for HIPS-NET on **LinkedIn** where we promote HIPS-NET, post results from workshops, and share partner information. We will also develop a **short marketing film** (60 seconds) introducing HIPS-NET, that will be used for any promotional purposes (publication on HIPS-NET homepage, social media, conferences, ...). The implementation of the ideas is planned for early 2023 and we will present the first results in the next workshop.

4. Annual Budget: HIPS-NET is supported by 2,000 €/a per partner and 2,500 €/a per new partner since June 2022. The network had 39 partners in 2021/2022. Netze Südwest joined the group in 2022. The network had an annual budget in the ninth year (2021/22) of 78,000 €.

The overview of the **budget spending** is summarised in annex A.

5. Year 10 | Working Plan

Mandatory responsibilities

- Issuing up to 6 newsletters per year in the past (in total with 24-30 articles per year)
- Annual workshop in June 2023 – hopefully in Brussels
- Addressing open R&D subjects and communication e.g. to the EC
- Preparing a short status report

Additional scope (depending on available budget)

- Maintaining HIPS-NET website
- Maintaining contact to Marcogaz and GERG

6. Compendium of 9th Project Year Newsletters

We attached to this brief status report a table of content of all newsletters of the previous year with active links to the articles in the newsletters. We hope you find this compilation useful in case you search for distinct information regarding our network topics.

Last but not least

We, Gert, Ruven and Josephine – the organisational HIPS-NET team – thank you as partner for very much for your continuous support in the network. Please feel always free to send us your thoughts on the network, information you wish to share about your ideas and projects you perform or have heard of.

ANNEX A:

HIPS-NET - Overview of Budget Spending
Including Outlook

Category	Item	Pers.	Time required	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	running 2022/23	planned 2023/24	
Income	Partner [No.] (membership fee 2.000 €)			30	30	32	35	36	39	40	39	39	39	39	
	Partner [No.] (membership fee 2.500 €, since 06/2022)												0	6	
	Annual Budget			60.000 €	60.000 €	64.000 €	70.000 €	72.000 €	78.000 €	80.000 €	78.000 €	78.000 €	78.000 €	93.000 €	
Expenses	Administration														
	Agreements (2013/14)		15 days / year	8.250 €	- €	- €	- €	- €	- €	- €	- €	- €	- €	- €	
	Agreements (2014/15)		10 days / year	- €	5.600 €	- €	- €	- €	- €	- €	- €	- €	- €	- €	
	Agreements (2015/16)		5 days / year	- €	- €	2.850 €	- €	- €	- €	- €	- €	- €	- €	- €	
	Agreements (2016/17)		3 days / year	- €	- €	- €	1.740 €	- €	- €	- €	- €	- €	- €	- €	
	Agreements (2017/18)		2 days / year	- €	- €	- €	- €	1.200 €	- €	- €	- €	- €	- €	- €	
	Agreements (2018/19)		1 days / year	- €	- €	- €	- €	- €	610 €	- €	- €	- €	- €	- €	
	Agreements (2019/20)		1 days / year	- €	- €	- €	- €	- €	- €	630 €	- €	- €	- €	- €	
	Agreements (2020/21)		1 days / year	- €	- €	- €	- €	- €	- €	- €	700 €	- €	- €	- €	
	Agreements (2021/22)		1 days / year	- €	- €	- €	- €	- €	- €	- €	- €	700 €	700 €	770 €	
	Invoicing		1,5 days / year	825 €	840 €	855 €	870 €	900 €	915 €	945 €	1.050 €	1.050 €	1.155 €	1.155 €	
	Miscellaneous (incoming banking fees)		-	19 €	25 €	25 €	25 €	25 €	25 €	25 €	25 €	26 €	26 €	26 €	
	Total			9.094 €	6.465 €	3.705 €	2.635 €	2.125 €	1.550 €	1.600 €	1.775 €	1.776 €	1.881 €	1.951 €	
	Promotion	External Presentation of the Network		3 days / year	1.650 €	1.680 €	1.710 €	1.740 €	1.800 €	1.830 €	1.890 €	1.500 €	2.100 €	2.300 €	2.300 €
		Acquisition of New Partners		5 days / year	2.750 €	2.800 €	2.850 €	2.900 €	3.000 €	3.050 €	3.150 €	- €	3.500 €	3.850 €	3.850 €
		Total			4.400 €	4.480 €	4.560 €	4.640 €	4.800 €	4.880 €	5.040 €	1.500 €	5.600 €	6.150 €	6.150 €
	Website	Creation (incl. Subcontracting)		10 days	- €	- €	7.700 €	- €	- €	- €	- €	- €	- €	- €	- €
		Maintenance incl. minor adoptions 2016		6 days / year	- €	- €	3.420 €	- €	- €	- €	- €	- €	- €	- €	- €
		Ongoing Maintenance		5 days / year	- €	- €	- €	2.900 €	3.000 €	3.050 €	3.150 €	3.500 €	3.500 €	3.850 €	3.850 €
	Total			- €	- €	11.120 €	2.900 €	3.000 €	3.050 €	3.150 €	3.500 €	3.500 €	3.850 €	3.850 €	
	Editorial Work	Editorial Meeting	3	0,5 days / newsletter	3.300 €	3.360 €	3.420 €	3.480 €	3.600 €	4.575 €	5.670 €	6.300 €	6.300 €	6.930 €	6.930 €
		Research and Writing of Articles		1,5 days / article	26.400 €	26.880 €	27.360 €	27.840 €	28.800 €	29.280 €	30.240 €	33.600 €	33.600 €	36.960 €	36.937 €
Proofreading of Articles			0,5 day / article	8.800 €	8.960 €	9.120 €	9.280 €	9.600 €	9.760 €	10.080 €	11.200 €	11.200 €	12.320 €	12.312 €	
Layout Newsletter			2,0 days / newsletter	4.400 €	4.480 €	4.560 €	4.640 €	4.800 €	6.100 €	7.560 €	8.400 €	8.400 €	9.240 €	9.240 €	
Proofreading Newsletter		2	0,5 day / newsletter	2.200 €	2.240 €	2.280 €	2.320 €	2.400 €	3.050 €	3.780 €	4.200 €	4.200 €	4.620 €	4.620 €	
Total				45.100 €	45.920 €	46.740 €	47.560 €	49.200 €	52.765 €	57.330 €	63.700 €	63.700 €	70.070 €	70.039 €	
Workshop	Preparation		10 days / year	5.500 €	5.600 €	5.700 €	5.800 €	6.000 €	6.100 €	6.300 €	7.000 €	7.000 €	7.700 €	7.700 €	
	Realisation	3	1,5 days / year	2.475 €	2.520 €	2.565 €	2.610 €	2.700 €	2.745 €	2.835 €	3.150 €	3.150 €	3.465 €	3.465 €	
	Location Rent and Lunch		-	GERG	GERG	GERG	GERG	GERG	GERG	GERG	- €	- €	GERG	GERG	
	Catering (Casual Dinner)		-	1.200 €	998 €	GERG	- €	1.100 €	1.100 €	- €	- €	300 €	1.500 €	1.500 €	
	Travel Expenses	3	-	1.152 €	1.154 €	1.200 €	414 €	1.200 €	1.200 €	- €	- €	- €	1.800 €	1.800 €	
	Follow-up Work		5 days / year	2.750 €	2.800 €	2.850 €	2.900 €	3.000 €	3.050 €	3.150 €	3.500 €	3.500 €	3.850 €	3.850 €	
	Total			13.077 €	13.072 €	12.315 €	11.724 €	14.000 €	14.195 €	12.285 €	13.650 €	13.950 €	18.315 €	18.315 €	
Annual Status	Creation of the Report		1 days / year	1.650 €	1.680 €	570 €	580 €	600 €	610 €	630 €	700 €	700 €	770 €	770 €	
	Total			1.650 €	1.680 €	570 €	580 €	600 €	610 €	630 €	700 €	700 €	770 €	770 €	
Subcontracting	Service Fee + Travel Expenses		-	14.480 €	10.437 €	- €	- €	- €	- €	- €	- €	- €	- €	- €	
	Total			14.480 €	10.437 €	- €	- €	- €	- €	- €	- €	- €	- €	- €	
Total	(Expenses)			87.801 €	82.053 €	79.010 €	70.039 €	73.725 €	77.050 €	80.035 €	84.825 €	89.226 €	101.036 €	101.075 €	
Result	(Income - Expenses)			-27.801 €	-22.053 €	-15.010 €	-39 €	-1.725 €	950 €	-35 €	-6.825 €	-11.226 €	-23.036 €	-8.075 €	

Annotation 2022/23: Campaign for gaining new members included in "Promotion".