



HIPS-NET STATUS REPORT YEAR 5

“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 fifth network year commenced officially in October 2017 and finished in September 2018.

1. DBI, supported by HIPS-NET partners, issued **three 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

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

The contract foresees four newsletters per network year, which was due to illness not possible in the fifth network year but will be compensated next year with one additional newsletter.

The HIPS-NET **website** supports the public recognition as well as to provide 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 a number of 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>.

Project proposals were developed and presented during the HIPS-NET workshops in June 2016 and 2017. There is a certain interest but not strong enough to get joint projects off the ground. We therefore did not push project proposals forward during the past network year and decided during the workshop that project ideas will be overhanded to GERG or other suitable platforms.

2. DBI prepared an **annual workshop in 2018** in Brussels. Robert Judd (secretary general of GERG) hosted the workshop in the premises of the GERG office. We are grateful for the kind courtesy. We also thank HIPS-NET partners as well as external speakers, who presented their activities during the workshop and supported the exchange of knowledge between the partners. The workshop was once again well attended as in the previous years; and thus a vivid opportunity for networking activities. The casual dinner prior to the workshop furthered the exchange between the network partners.

The workshop presentations were disseminated between the partners and uploaded in the members' area of the HIPS-NET website. A summary of the presentations held at the workshop was included in the newsletter #18.

3. **Annual Budget:** HIPS-NET is supported by 2,000 €/a per partner. The network has grown to 36 partners in 2017/2018. The network had an annual budget in the fifth year (2017/18) of 72,000 € (36*2,000 €).

The overview of the **budget spending** is summarised in the table below:

HIPS-NET - Overview of Budget Spending
Including Outlook

Category	Item	Pers.	Time required	2013/14	2014/15	2015/16	2016/17	2017/18	running 2018/19	planned 2019/20
Income	Partner [No.]			30	30	32	35	36	36	39
	Membership Fee			2,000 €	2,000 €	2,000 €	2,000 €	2,000 €	2,000 €	2,000 €
	Annual Budget			60.000 €	60.000 €	64.000 €	70.000 €	72.000 €	72.000 €	78.000 €
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 (2018/19)	1	days / year	- €	- €	- €	- €	- €	- €	630 €
	Invoicing	2	days / year	825 €	840 €	855 €	870 €	900 €	915 €	945 €
	Miscellaneous (incoming banking fees)	-	-	19 €	25 €	25 €	25 €	25 €	25 €	25 €
	Total			9.094 €	6.465 €	3.705 €	2.635 €	2.125 €	1.550 €	1.600 €
Promotion	External Presentation of the Network	3	days / year	1.650 €	1.680 €	1.710 €	1.740 €	1.800 €	1.830 €	1.890 €
	Acquisition of New Partners	5	days / year	2.750 €	2.800 €	2.850 €	2.900 €	3.000 €	3.050 €	3.150 €
	Total			4.400 €	4.480 €	4.560 €	4.640 €	4.800 €	4.880 €	5.040 €
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 €
	Total			- €	- €	11.120 €	2.900 €	3.000 €	3.050 €	3.150 €
Editorial Work	Editorial Meeting	3	1 days / newsletter	3.300 €	3.360 €	3.420 €	3.480 €	3.600 €	3.660 €	3.780 €
	Research and Writing of Articles	1,5	days / article	26.400 €	26.880 €	27.360 €	27.840 €	28.800 €	29.280 €	30.240 €
	Proofreading of Articles	0,5	day / article	8.800 €	8.960 €	9.120 €	9.280 €	9.600 €	9.760 €	10.080 €
	Layout Newsletter	2,0	days / newsletter	4.400 €	4.480 €	4.560 €	4.640 €	4.800 €	4.880 €	5.040 €
	Proofreading Newsletter	2	0,5 day / newsletter	2.200 €	2.240 €	2.280 €	2.320 €	2.400 €	2.440 €	2.520 €
	Total			45.100 €	45.920 €	46.740 €	47.560 €	49.200 €	50.020 €	51.660 €
Workshop	Preparation	10	days / year	5.500 €	5.600 €	5.700 €	5.800 €	6.000 €	6.100 €	6.300 €
	Realisation	3	2 days / year	2.475 €	2.520 €	2.565 €	2.610 €	2.700 €	2.745 €	2.835 €
	Location Rent and Lunch	-	-	GERG	GERG	GERG	GERG	GERG	GERG	GERG
	Catering (Casual Dinner)	-	-	1.200 €	998 €	GERG	689 €	1.100 €	1.100 €	1.100 €
	Travel Expenses	3	-	1.152 €	1.154 €	1.200 €	1.112 €	1.200 €	1.200 €	1.500 €
	Follow-up Work	5	days / year	2.750 €	2.800 €	2.850 €	2.900 €	3.000 €	3.050 €	3.150 €
	Total			13.077 €	13.072 €	12.315 €	13.111 €	14.000 €	14.195 €	14.885 €
Final Report	Creation of the Report	1	days / year	1.650 €	1.680 €	570 €	580 €	600 €	610 €	630 €
	Total			1.650 €	1.680 €	570 €	580 €	600 €	610 €	630 €
Subcontracting	Service Fee + Travel Expenses	-	-	14.480 €	10.437 €	- €	- €	- €	- €	- €
	Total			14.480 €	10.437 €	- €	- €	- €	- €	- €
Total	(Expenses)			87.801 €	82.053 €	79.010 €	71.426 €	73.725 €	74.305 €	76.965 €
Result	(Income - Expenses)			-27.801 €	-22.053 €	-15.010 €	-1.426 €	-1.725 €	-2.305 €	1.035 €

4. Year 6 | Working Plan

Mandatory responsibilities

- Issuing quarterly newsletter
- Annual workshop on 26th/27th June 2019
- 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
- Updating Power-to-Gas map
- Maintaining the cooperation with SFEM WG Hydrogen/TC6

5. Compendium of 5th Project Year Newsletters

We attached to this brief status report a table of content of all three 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, Anja, Charlotte, Stefan, Marvin, Josephine and Sylvana the organisational HIPS-NET team, thank you as partner for your presence in the network. Please feel always free to send us your thoughts on the network, information you wish to share about projects you perform or have heard of, and the ideas we cannot think of at the moment but add value to our network.