



HIPS-NET STATUS REPORT YEAR 1 + 2

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

This status report summarises HIPS-NET activities throughout the preceding two years and gives an overview on the spending of financial means. The first network year commenced officially in October 2013 until September 2014. The second year started in October 2014 until September 2015. These two years belong to the scope of this final report.

1. DBI, supported by HIPS-NET partners issued **four newsletters per year** 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

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.

2. DBI prepared an **annual workshop in 2014 and 2015** 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 well attended in both 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. We additionally issued a summary of the presentations held at the workshop in the first network year in an extra report. This report was, following the consent by the partners, included in one of the newsletters in the second year.

The partners discussed the future scope of the network during the workshop. The participants mutually agreed to develop a HIPS-NET website to support the public recognition of the website as well as to provide a base for the documentation of newsletters, presentations, status report, etc. The development and launch of the website is scheduled for the third network year.

3. Annual Budget: HIPS-NET is supported by 2,000 € per partner. We have acquired 30 partners in both years; minor fluctuations occurred. 16 partners of the first year had an agreement without automatic prolongation clause. We learned that concluding yearly agreements implies administrative effort for DBI as well as the partners and thus we adjusted the termination clause. In the course of adjustment, 14 out of 16 partners prolonged their membership for the second year; only nPlan (DE) and Fluxys (BE) did not. Two new partners, GDF SUEZ (FR) and NAFTA a.s. (SK) joined the network for the second year. ETIC Canada terminated its membership for the third network year.

The network had an annual budget of 60,000 € (30*2,000 €). The originally intended target budget of 60,000 € was met.

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

HIPS-NET - Overview of Budget Spending
1st + 2nd Year Including Outlook

Category	Item	Pers.	Time required	2013/14	2014/15	running 2015/16	planned 2016/17
Income	Partner [No.]			30	30	32	36
	Membership Fee			2.000 €	2.000 €	2.000 €	2.000 €
	Annual Budget			60.000 €	60.000 €	64.000 €	72.000 €
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)		4 days / year	- €	- €	- €	2.320 €
	Invoicing		1,5 days / year	825 €	840 €	855 €	870 €
	Miscellaneous (incoming banking fees)		-	19 €	25 €	25 €	25 €
Total				9.094 €	6.465 €	3.705 €	3.215 €
Promotion	External Presentation of the Network		3 days / year	1.650 €	1.680 €	1.710 €	1.740 €
	Acquisition of New Partners		5 days / year	2.750 €	2.800 €	2.850 €	2.900 €
	Total			4.400 €	4.480 €	4.560 €	4.640 €
Website	Creation (incl. Subcontracting)		10 days	- €	- €	7.700 €	- €
	Ongoing Maintenance incl. minor adoptions		6 days / year	- €	- €	3.420 €	- €
	Ongoing Maintenance 2016/17		5 days / year	- €	- €	- €	2.900 €
	Total			- €	- €	11.120 €	2.900 €
Editorial Work	Editorial Meeting	3	0,5 days / newsletter	3.300 €	3.360 €	3.420 €	3.480 €
	Research and Writing of Articles		1,5 days / article	26.400 €	26.880 €	27.360 €	27.840 €
	Proofreading of Articles		0,5 day / article	8.800 €	8.960 €	9.120 €	9.280 €
	Layout Newsletter		2,0 days / newsletter	4.400 €	4.480 €	4.560 €	4.640 €
	Proofreading Newsletter	2	0,5 day / newsletter	2.200 €	2.240 €	2.280 €	580 €
	Total			45.100 €	45.920 €	46.740 €	45.820 €
Workshop	Preparation		10 days / year	5.500 €	5.600 €	5.700 €	5.800 €
	Realisation	3	1,5 days / year	2.475 €	2.520 €	2.565 €	2.610 €
	Location Rent and Lunch (Courtesy of GERG)		-	free	free	free	free
	Catering (Casual Dinner)		-	1.200 €	998 €	1.100 €	1.100 €
	Travel Expenses	3	-	1.152 €	1.154 €	1.154 €	1.154 €
	Follow-up Work		5 days / year	2.750 €	2.800 €	2.850 €	2.900 €
	Total			13.077 €	13.072 €	13.369 €	13.564 €
Final Report	Creation of the Report		3 days / year	1.650 €	1.680 €	1.710 €	1.740 €
	Total			1.650 €	1.680 €	1.710 €	1.740 €
Subcontracting	Service Fee + Travel Expenses		-	14.480 €	10.437 €	- €	- €
	Total			14.480 €	10.437 €	- €	- €
Total	(Expenses)			87.801 €	82.053 €	81.204 €	71.879 €
Result	(Income - Expenses)			-27.801 €	-22.053 €	-17.204 €	121 €

4. Outlook Year 3 | Working Plan

- 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 (22nd /23rd June 2016)
- Preparing a short status report
- Project proposals to suggest joint research topics

5. Compendium of 1st and 2nd Project Year Newsletter

We attached to this brief status report a table of content of all eight newsletters of the previous years 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, Dave, Anja, Stefan, Josephine and Gideon 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.