



**SES6 502596**

**HyWays**

**The Development and Detailed Evaluation of a Harmonised  
“European Hydrogen Energy Roadmap“**

**Integrated Project**

**Priority [1.6] Sustainable Development,  
Global Change and Ecosystems**

**Deliverables WP1 / WP2**

**Overview document and introduction**

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## 1. Introduction

From the very beginning of the HyWays project WP1 and WP2 were defined to be very closely interlinked with each other. In fact it was discussed at times to join them into one single work package.

In the end it was decided jointly to strictly separate the technology, cost and emission data collection (WP1) and the energy chain calculations (WP2). WP1 also received a further task, namely to identify the new set of member state partners in Phase II of the project as well as organise 2 workshops for the member state partners for exchange among each other and to others externally.

Whereas the first workshop has been organised in May 2005 in preparation of the Phase II MS selection, the second workshop is still pending.

As most deliverables have already been finished and some of them posted on the website some weeks or months ago, depending on their version, this document serves as a pointer to connect the deliverables as agreed in the Description of Work (DoW) as part of the contract with the EC with the documents.

The challenge is that some deliverables consist of at least 10 individual documents (one for each member state) for which it made no sense to join them all in one big document (D2.2 + D2.5). On the other hand some deliverables are characterised by “R” (for report), but it made no sense to separate them from the later more inclusive member state documents (D2.1 + D2.4). Also, EXCEL tables which served as handover from E3database to MARKAL are technical, non-self-explanatory documents, their contents however being intrinsically being part of the final member state document (D2.3 + D2.6).

In brief, it was our opinion that for the reason of clarity the HyWays workpackage WP1 and WP2 should only produce one central and single final document in addition to the general introductory documents, such as the self-explanatory HANDBOOK or the TECHNOLOGY FACT SHEETS. This type of final document for each one of the 10 member states was however not part of the original DoW.

In conclusion of what is written above the final joint product from WP1 and WP2 are

- ⇒ This introduction and overview document,
- ⇒ 10 individual member state reports (latest and for the first 6 member states updated version),
- ⇒ 1 HANDBOOK,
- ⇒ 1 TECHNOLOGY FACT SHEET (latest version) and
- ⇒ 1 document explaining the selection of the additional 4 MS partners in HyWays Phase II.

which have all been posted on the HyWays website.

## 2. Overview of deliverables HyWays WP1 and WP2

The list below presents the link between deliverable number (from DoW) and the respective report or final document provided.

Please note that in Phase II all deliverable due dates have been postponed by 3 months by contract amendment!

No.	Deliverable	Due date	Type	Comment
<b>WP1</b>				
D1.1	Establish a standardised toolbox on hydrogen relevant energy chains (e.g. documentation, interfaces, etc.)	JUL 2004	Other	HANDBOOK (ppt-file) Documentation to prepare new MS partners for Phase II
D1.2	Report on the region / MS specific energy hydrogen pathways	MAR 2005	Report	TECHNOLOGY FACT SHEETS (xls-file) Containing all process specific technology and cost data for Phase I
D1.3	6 member state partners Phase II selected	SEP 2005	Other	Report on selection results of new MS partners in HyWays Phase II with input from 2 external experts and the EC (doc-file)
D1.4	Report on the 6 (+6) region/ MS specific hydrogen energy pathways	SEP 2006	Report	TECHNOLOGY FACT SHEETS (xls-file) Containing all process specific technology and cost data, D1.1 updated for Phase II
<b>WP2</b>				
D2.1	Established <i>processes modules</i> per region	JAN 2005	Other	Decision on individual processes for Phase I Contained in 6 MS reports Phase I updated in Phase II (doc-files)
D2.2	Established validated WTW/STU <i>pathways/ energy chains</i> per region	MAR 2005	Report	Decision on hydrogen energy chains for 6 MS in Phase I Contained in 6 MS reports Phase I updated in Phase II (doc-files)
D2.3	Available WTW/STU datasets laid down in pre-defined EXCEL data output sheets, process by process	SEP 2005 – MAY 2006	Report	Interface sheets from E3database to MARKAL with technology and cost data for 6 MS in Phase I, updated in Phase II Contained in 6 MS reports Phase I updated in Phase II (doc-files)
D2.4	Established process modules per region	OCT 2006	Report	Decision on individual processes for Phase II Contained in 4 MS reports Phase II (doc-files)
D2.5	Established validated WtW/ StU pathways for the 6 new regions of Phase II (incl. necessary adaptations of Phase I pathways)	DEC 2006	Report	Decision on hydrogen energy chains for 4 MS in Phase II Contained in 4 MS reports Phase II (doc-files)
D2.6	Available WtW/StU analysis output data laid down in pre-defined EXCEL data output sheets	FEB 2007	Report	Interface sheets from E3database to MARKAL with technology and cost data for 4 MS in Phase II Contained in 4 MS reports Phase II (doc-files)