Environmental and Health Impact Assessment of Scenarios for Renewable Energy Systems with Hydrogen

		2006				2007				2008				Milestones	(Man-months)														
Activities:	Man-months	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		KJ	KK	JBI	MWI	MTJ	OKN	SSJ	JBR	LMF	MKE	HSK	FPJ	OH	JC	LKP	FM
WP I Scenarios with H2 as energy carrier	**6.1**																												
1.1 Defining Scenarios	0.6													Scenarios defined	0.3	0.3														
1.2 Technical data collection	0.9													Data collected	0.6	0.3														
1.3 Transport model	1.5													Transport model ready	1.5															
1.4 Implementing scenarios in Balmorel	2.0													Scenarios calculated in Balmorel		2.0														
1.5 Scenario Results	1.1													Results documented	0.5	0.6														
WP II Emissions of air pollutants and H2 leakages	**5.8**																												
2.1 Implementing scenarios	0.6													Scenarios defined			0.1	0.4		0.1										
2.2 Gather new emission data for scenarios	1.6													Data collected			0.1	0.8		0.7										
2.3 Estimate emission for scenarios	0.8													Emission calculations finalised			0.1	0.4		0.3										
2.4 Estimate leakage of H2 from energy and transport system	1.1													H2 leakage calculations finalised			0.1	0.4		0.6										
2.5 Distribute emissions geographically to meet AQ models	1.7													Emission distribution finalised					1.7											
WP III Impacts of H2 on atmospheric chemistry	**6.4**																												
3.1 Process studies of impacts of H2 on atmospheric chemistry	3.9													Studies documented											3.2	0.2	0.5			
3.2 Improvement of hemispheric air chemistry transport model	2.5													Model improved and validated								0.4	0.8		0.5	0.2	0.3	0.3		
WP IV Environmental and health impact assessment	**4.7**																												
4.1 Develop linkages between emissions and AQ models	0.6													Linkages described							0.3	0.1	0.2							
4.2 Develop linkages between AQ models and impacts	0.7													Linkages described							0.4	0.1	0.2							
4.3 Case studies of impacts from regional to local scale	3.4													Case studies documented							2.2			0.2			1			
WP V External Benefits	**3.3**																												
5.1 Theoretical evaluation of pricing methods for risk of death	1.7													Studies documented (article)																1.7
5.2 Design of emperical study for pricing risk of death	0.5													Empirical study described																0.5
5.3 Sample calculations of the risk of death	1.1													Case study documented																1.1
WP VI Social aspects	**3.5**																												
6.1 Social and cultural barriers for new energy scenarios	3.5													Barriers described															3.5	
WP VII Project management	**3.0**																												
Project co-ordination	3.0													Meetings, mid and final reports							1.5		1.5							
Grand total	**33**														2.9	3.2	0.4	2.0	1.7	1.7	4.4	0.6	2.7	0.2	3.7	0.4	1.8	0.3	3.5	3.3