EUCalc

EU Calculator: trade-offs and pathways towards sustainable and low-carbon European societies

Detailed work plan for first six months

D11.1

February/2017

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 730459.

Project Acronym and Name	EUCalc EU Calculator: trade-offs and pathways towards sustainable and low-carbon European Societies	
Grant Agreement Number	730459	
Document Type	Report	
Document version & WP No.	V. 02	WP11
Document Title	Detailed work plan for the first six months	
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Release date	4 February 2017	

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Document Control Page			
Short Description	This report describes project planning issues for the first six months of the EUCalc project. The aim is to efficiently start project activities from the very beginning. Therefore a detailed work plan for the first six months is presented which was partly developed during the kick-off meeting in December 2016 in Potsdam and partly shortly afterwards, with clearly assigned tasks to all involved partners.		
Review status	**Action**	**Person**	**Date**
	Quality Check	*Coordination Team*	
	Internal Review	*Partners involved*	
Distribution	Public		

Statement of originality:

This deliverable contains original unpublished work except where clearly indicated otherwise. Acknowledgement of previously published material and of the work of others has been made through appropriate citation, quotation or both.

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List of abbreviations

DoA	Description of the action
M	Month
WP	Work package

1 Executive Summary

Good governance and an aligned team of partners are crucial for a successful project implementation. The planning for the various activities needs continuous monitoring of the progress towards the achievement of the defined research objectives. International projects may suffer from a slow start of activities in the first few months, as sometimes experienced by project partners in other projects.

In EUCalc, we mitigate this risk with a detailed work plan for the first 6 months of project activities. During the kick-off meeting in December 2016 the consortium discussed a detailed work plan for the first six months until the next face-to-face project meeting. Moreover, general understanding of some key questions was discussed in order to guarantee a coherent start of the research. Responsibilities of each partner and interdependencies of work were highlighted. The planned detailed activities in each work package will be implemented by the responsible work package leaders.

2 Gantt chart of the first EUCalc year (M1-12)

An overview is given on planned activities for the first project year, covering the period November 2016 to October 2017.Activities of the second half were reviewed to make sure that the deliverables and tasks carried out during the first six months (Q1-Q2) are completed on time and fulfil requirements for the subsequent activities to be performed during Months 7 - 12.

Table 1 - Gantt chart for the EUcalc project between month 1 and 12.

WP / Task name	Leader	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12
WP1 - Climate, Lifestyles & Technological Transitions	**PIK**												
T1.1: Downscaled Climate Change Scenarios for Europe.	UEA												
T1.2: European emissions and its contribution to Climate Change.	PIK												
T1.3: European life-style pattern definition.	PIK												
T1.4: Decoupling dynamics: how are growth, resource use, and consumption related in Europe.	PIK												
T1.5: Technological transformation and innovation capacity.	OGUT												
T1.6: Expert consultation on life style development and economic growth pattern.	EPFL												**D1.6**
WP2 - Buildings & Transport	**BPIE**												
T2.1: Factors controlling the travel energy demand and emissions	OGUT												
T2.2: Expert consultation workshop on transport	Climact												
T2.3: Factors affecting energy demand and resource use in buildings	EPFL												
T2.4: Expert consultation workshop on buildings	BPIE												
WP3 - Production & Manufacturing	**OGUT**												
T3.1: Mineral and bio-based industrial raw-materials	OGUT												
T3.2: Manufacturing and secondary raw-materials	Pannon												
T3.3: Expert consultation workshop on manufacturing and raw-materials	OGUT												
T3.4: Carbon capture – use and storage	EPFL												
WP4 - Land, Water & Biodiversity	**Imperial**												
T4.1: Land, land use, biomass provision and mineral supply in Europe	Imperial												
T4.2: Expert consultation workshop on land, land use and carbon stock dynamics, biom. provision & minerals	Imperial												
T4.3: Impacts of projected biomass provision and climate change on biodiversity and water	UEA												
T4.4: Expert consultation workshop on the biodiversity and water impacts of biomass provision and materials in the EUCalc	UEA												
T4.5: Emissions reduction and carbon sink potentials under technological and dietary change.	Imperial												
WP5 - Electricity & fossil fuels	**Pannon**												
T5.1: Electricity (fossil, nuclear and renewables based) including CHP and CCS, and oil refinery	Pannon												
T5.2: Bioenergy conversion routes for electricity, heat and transport	Imperial												
T5.3: Water supply of transformation sectors	EPFL												
T5.4: Expert Consultation Co-Design Workshop on electricity and fossil fuels	Pannon												
WP6 - Jobs, value added, and social impact	**TUD**												
T6.1: Improvement and Calibration of the Computable General Equilibrium model GEMINI-E3	EPFL												
T6.2: Analysis of policies required to achieve these scenarios	EPFL												
T6.3: Identification of the parameters relevant to assess socio-economic impacts and consultation workshop	TUD												
T6.4: Analysis of the impact on GDP, competitiveness and employment	EPFL												
T6.5: Analysis of the impact on food- and energy security and other impacts in task 6.1	EPFL												
T6.6: Development of new EUCalc module on socio-economic impacts and associated GEMINI-E3 library	Climact												
WP7 - Trans-boundary effects, Trade, & Flows	**UCPH**												
T7.1: Gathering data and Designing plan for CGE model development	UCPH												**D7.1**
T7.2: Designing interface with sectoral WPs and generate model scenarios	Imperial												
T7.3: Expert Consultation Co-Design Workshop on trans-boundary effects	UCPH												
T7.4: Development of CGE model/data and simulation of scenarios	UCPH												

WP / Task name	Leader	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12
WP8 - EUCalc Model development	**Climact**												
T8.1: Initial version of the model	Climact												
T8.2: 28+1-country version of the model	Climact												
T8.3: Integration of "Economy" and "EU & rest of World" modules	EPFL												
T 8.4: Integration of the "Land allocation, biodiversity impact & forestry", "Water scarcity" and "minerals" modules	BPIE												
T8.5: Integration of the "Storage requirements Module" of the model	Pannon												
T8.6: Integration of the "Transboundary effects, trade & flows" module	UCPH												
T8.7: Integration of the "Jobs, value added, and social impact" module	EPFL												
T8.8: Refinement to include latest stakeholder feedbacks in the EU Calculator Model	Climact												
WP9 - Co-creation, Stakeholder Involvement & Transition Pathways Explorer	**CMF**												
T9.1: User demand evaluation and concretisation	Imperial												
T9.2: Coordination of co-design expert consultation workshops, stakeholder engagement and call for evidence	SEECN								**D9.2**	**D9.3**	**D9.4**		
T9.3: Initial version of the EUCalc Pathway Explorer	CMF												
T 9.4: Final version of the EUCalc Pathway Explorer after call for evidence	CMF												
WP10 - Dissemination, communication and exploitation	**T6ECO**												
T10.1: Visual design, project website and dissemination materials	T6ECO	**D10.1**					**D10.2** **D10.3**						
T10.2: Development of "My Europe 2050" e-learning tool and MOOC module	CMF												
T10.3: Creation of an audio-visual pathway narration for the EUCalc pathway explorer and the e-learning tool	CMF												
T10.4: Dissemination to and interaction with political actors and other stakeholders	Imperial												**D10.6**
T10.5: Dissemination and communication to the business community and technology innovators	SEECN												
T10.6: Scientific dissemination	PIK												
T10.7: EUCalc exploitation planning	Climact												
WP11 - Management, Governance, Monitoring & Evaluation	**PIK**												
T11.1: Project coordination and management	PIK	**D11.1**					**D11.2** **D11.3**						
T11.2: Quality control, monitoring and evaluation	PIK												
T11.3: Financial management	PIK												
T11.4: Coordination/synergies with relevant EU projects and other initiatives	PIK												
WP12 - Ethics requirments	**PIK**		**D12.1** **D12.2**				**D12.3**						
										MS1			

3 Deliverables and milestones of M1-6

According to the DoA, the following deliverables should be submitted and the following milestones should be reached in the first six months of the EUCalc project:

No	Deliverable name	WP	Lead	Type	Dissemination level	Delivery month
10.1	EUCalc Factsheet for European Commission	10	PIK	R	PU	1
10.2	EUCalc Dissemination and exploitation strategy	10	CMF	R	PU	6
10.3	EUCalc Project website	10	PIK	DEM	PU	6
11.1	Detailed work plan for first six months	11	PIK	R	PU	1
11.2	Data management plan	11	PIK	R	PU	6
11.3	Advisory Board final list and Terms of reference	11	PIK	O	Confidential	6
12.1	H - Requirement No. 1	12	PIK	Ethics	Confidential	2
12.2	POPD – Requirement No. 4	12	PIK	Ethics	Confidential	6

Table 2: List of Deliverables EUCalc – M1-6

No	Milestone name	WP	Month	Means of verification
MS1	Demand analysis workshop	9	1	Summarised demands in minutes
MS2	Realisation of EUCalc branding	10	3	Identity Handbook
MS3	Definition of levers, ambition level and metrics for parameters	1-6	3	The definitions will be provided for the following sectors/indicators: • Demographic development, economic growth, life style patterns • Land, Land use, Biomass (Bioenergy), Food, Water, Raw Materials, Minerals, Climate • Electricity and oil refinery, fossil fuels, • Transport and travel • Buildings Successful integration of lever definitions in alpha model for the preparation of the operating model

Table 3: List of Milestones EUCalc – M1-6

4 Detailed work plan for the first six months

The following work plan was partly discussed during the EUCalc kick-off meeting in December 2016 in Potsdam, and further developed by the single work package leaders.

As the kick-off meeting took place in Month 2 of the project, the work plan partly covers also Months beyond Month 6.

			2016									2017																									
			November					December				January					February				March				April				May					June			
		First day of week	01	08	15	22	29	06	13	20	27	03	10	17	24	31	07	14	21	28	07	14	21	28	04	11	18	25	02	09	16	23	30	06	13	20	27
		Project month	1					2				3					4				5				6				7					8			
		Lead																																			
WP1-6	*MS3: Definition of levers, ambition level and metrics for parameters*	*WP1-6 leaders and participants*														MS 3	x	x	x	x	x	x	x	x	x	x	x	x	x	x							
WP1	Climate, Lifestyles & Technological Transitions	PIK																																			
T1.1	Downscaled Climate Change Scenarios for Europe	UEA																																			
	Climate data needs scoping	UEA,PIK													x	x	x	x	x	x																	
	Iteration of the data needs with other WP's	UEA,PIK																			x	x	x	x	x	x	x	x	x	x	x						
	Definition of the final set of climate data	UEA,PIK																														x	x	x	x	x	x
T1.2	European emissions and its contribution to Climate Change.	PIK																																			
	Acquisition of GHG trajectories from AR5 for Europe and RoW	PIK															x	x	x	x																	
	Aquisition of global temperature trajectories	PIK																			x	x	x	x	x	x	x										
	Drafting of a strategy to include a temperature leaver in EU calc	PIK, UEA, CLIMACT																									x	x	x	x	x	x	x	x	x	x	x
T1.3	European life-style pattern definition.	PIK																																			
	Literature review of lifestyle concepts	PIK											x	x	x	x	x	x	x	x	x																
	Extension of the lifestyle dimensions in the Global Calculator	PIK													x	x	x	x	x	x	x	x	x	x	x												
	Revision of data sources	PIK, CLIMACT, BPIE, Imperial, EPFL, OGUT													x	x	x	x	x	x																	
	Preliminary data aquisition for lifestyle analysis	PIK															x	x	x	x	x	x	x	x	x	x	x	x	x								
	Exploration of clustering and time dependency of lifestyles by country	PIK																											x	x	x	x	x	x			
	First consolidated results of the European lifestyle analysis	PIK																																x	x	x	x
T1.4	Decoupling dynamics: how are growth, resource use, and consumption related in Europe.	PIK																																			
	Data gathering on carbon emission at country and sectoral level for Europe	PIK, EPFL													x	x	x	x	x	x																	
	Data gathering on emission embodied in trade	PIK, EPFL																		x	x	x	x	x													
	Development of a working definition of "Decoupling"	PIK, EPFL																				x	x	x	x	x	x	x									
	Evaluation of decoupling dynamics of EU countires using several methods, e.g., EKC theory, cluster analysis	PIK. EPFL																									x	x	x	x	x	x	x	x	x	x	x
T1.5	Technological transformation and innovation capacity.	ÖGUT																																			
	review levers in existing calculators	OGUT									x	x	x	x	x	x	x	x																			
	develop framework for technological transition	OGUT, EPFL, PIK													x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	systematically assess future technological development	OGUT																												x	x	x	x	x	x	x
	data gathering on key performance indicators	OGUT, EPFL, PIK																					x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	integrate disruptive developments ("breakthrough technologies") into the model	OGUT, EPFL, PIK, CLIMACT																												x	x	x	x	x	x	x
T1.6	Expert consultation	EPFL																																			
	Coordination with other task leaders	EPFL										x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	identify stakeholders/-groups	EPFL, SEECN														x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	formulate **what we want** to know from extperts	EPFL, SEECN										x	x	x	x	x	x	x	x	x	x	x	x	x													
	formulate **contact strategy**	EPFL																			x	x	x	x													
	contact experts	EPFL, PIK																							x	x	x	x	x	x	x	x	x				
	Prepare detailed budget	EPFL, SEECN													x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	choose date & venue	EPFL, SEECN																	x	x	x	x	x	x	x	x	x	x	x	x							
	Make bookings (flights, venue, hotels, etc.)	EPFL, PIK																											x	x	x	x	x	x	x	x	x

			2016									2017																									
			November					December				January					February				March				April				May					June			
		First day of week	01	08	15	22	29	06	13	20	27	03	10	17	24	31	07	14	21	28	07	14	21	28	04	11	18	25	02	09	16	23	30	06	13	20	27
		Project month	1					2				3					4				5				6				7					8			
		Lead																																			
WP2	**Buildings and Transport**	**BPIE**																																			
T2.1	**Travel energy demand and emissions**	**CLIMACT**																																			
T2.1.1	**input data**	**CLIMACT**								x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
T2.1.3	define and design **levers**	CLIMACT															x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	review levers in existing calculators	CLIMACT								x							x	x	x	x	x	x	x	x													
	select levers	CLIMACT																				x	x	x	x	x	x										
	assess and do first estimate of lever levels	CLIMACT																							x	x	x	x									
T2.1.2	**model** design and implementation	CLIMACT																							x	x	x	x	x	x	x	x	x	x	x	x	x
T2.1.4	codesign with **stakeholders**	CLIMACT															x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	identify stakeholders/-groups	CLIMACT															x	x	x	x	x	x	x	x													
	formulate **what we want** to know from them	CLIMACT								x							x	x	x	x	x	x	x	x													
	review **when we need** to know it	CLIMACT																							x	x	x	x									
	formulate **contact strategy**	CLIMACT																									x	x	x	x	x						
	add tasks to implement contact strategy	CLIMACT																												x	x	x	x				
T2.2	**Transport workshop**	**CLIMACT**																																			
	planning to commence in 2nd half of 2017																																				
T2.3	**Energy demand and resources in buildings**	**BPIE**																																			
T2.3.1	**input data**	**BPIE**								x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
T2.3.2	**model** design and implementation	BPIE										x	x	x	x	x													x	x	x	x	x	x	x	x	x
T2.3.3	define and design **levers**	BPIE								x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x								
	review levers in existing calculators	BPIE								x																											
	describe levers, pros and cons in using them	BPIE										x	x	x	x	x	x	x	x	x	x	x	x	x	x												
	select and **describe** levers	BPIE																								x	x	x	x								
	assess and decide on lever levels	BPIE																								x											
T2.3.4	codesign with **stakeholders**	BPIE															x	x	x	x	x					x	x	x	x	x							
	identify stakeholders/-groups	BPIE																																			
	formulate **what we want** to know from them	BPIE																																			
	review **when we need** to know it	BPIE																																			
	formulate **contact strategy**	BPIE																																			
	add tasks to implement contact strategy	BPIE																																			
T2.3.5	**District heating**	**EPFL**																																			
T2.3.5a	**input data**	**EPFL**																																			
	define and design **levers**	EPFL								x				x					x			x				x					x				x		
	review levers in existing calculators	EPFL						x		x	x	x	x	x	x	x	x	x	x	x																	
	select levers	EPFL																			x	x	x	x	x	x	x	x	x	x	x	x	x				
	assess and decide on lever levels	EPFL																											x	x	x	x	x	x	x	x	x
	model design and implementation	EPFL								x				x					x			x				x					x				x		
T2.3.5b	codesign with **stakeholders**	EPFL																																			
	identify stakeholders/-groups	EPFL																																			
	formulate **what we want** to know from them	EPFL																																			
	review **when we need** to know it	EPFL																																			
	formulate **contact strategy**	EPFL																																			
	add tasks to implement contact strategy	EPFL																																			
T2.4	**Buildings workshop**	**BPIE**																																			
	planning to commence in 2nd half of 2017																																				

			2016									2017																									
			November					December				January					February				March				April				May					June			
		First day of week	01	08	15	22	29	06	13	20	27	03	10	17	24	31	07	14	21	28	07	14	21	28	04	11	18	25	02	09	16	23	30	06	13	20	27
		Project month	1					2				3					4				5				6				7					8			
		Lead																																			
WP3	**Manufacturing and production**	**ÖGUT**																																			
T3.1	**Mineral and Bio-Based industrial materials**	**ÖGUT**																																			
T3.1.1	analyse industrial sectors	ÖGUT																																			
	define major industries on country level	ÖGUT									x	x	x																								
	understand industry and product link	ÖGUT											x	x	x	x	x																				
	value chain analysis (resources, materials, products)	ÖGUT													x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	modelling material emission trees (incl imported GHG)	ÖGUT																			x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	define reduction potential	ÖGUT																																x	x	x	x
	assess and do first estimate of lever levels	ÖGUT															x	x	x	x	x	x	x	x	x	x	x	x									
T3.1.4	**model** design and implementation	ÖGUT																																			
	review existing calculators	ÖGUT							x	x	x	x	x	x	x	x	x	x	x																		
	create raw design	ÖGUT																										x	x	x	x	x	x	x	x	x	x
	create prototype	ÖGUT																														x	x	x	x	x	x
	review **when we need** to know it	ÖGUT																						x	x	x	x	x									
	formulate contact strategy	ÖGUT								x	x	x	x	x	x	x	x	x	x	x																	
	add tasks to implement contact strategy	ÖGUT																							x	x	x	x	x	x	x	x	x	x	x	x	
T3.2	**Manufacturing and secondary materials**	**PANNON**																																			
T3.2.1	analyse energy intensive processes	Pannon																																			
	identify energy intensive sectors	Pannon, ÖGUT															x	x	x	x	x																
	identify relevant industrial energy-efficiency technologies	Pannon, ÖGUT																			x	x	x	x	x	x	x	x									
	define input/output connection of those technologies	Pannon																						x	x	x	x	x									
	review data sources	Pannon																			x	x	x	x	x	x	x	x									
	gather data	Pannon																					x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
T3.3.2	define and design **levers**	Pannon															x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	review levers in existing calculators	Pannon																x	x	x	x	x	x	x													
	select levers	Pannon																							x	x	x	x	x								
	assess and do first estimate of lever levels	Pannon																											x	x	x	x	x	x	x		
T3.2.3	**model** design and implementation	Pannon																							x	x	x	x	x	x	x	x	x	x	x	x	x
	review existing calculators	Pannon																x	x	x	x	x	x														
	first version of the **linear tree model** for industrial energy efficiency	Pannon, ÖGUT																				x	x	x	x	x	x	x	x	x	x						
	based on WP8 feedback on the tree model finalize it	Pannon																													x	x	x	x			
	based on WP8 feedback on the tree model develop pre-calculation table	Pannon																																x	x	x	x
T3.3	**Expert consultation**	**ÖGUT, SEECN, PANNON**																																			
	details to follow																																				
T3.4	**Carbon capture -use and storage**	**EPFL**																																			
T3.4.1	**CCUS**	EPFL																																			
	Coordination with other task leaders	EPFL, ÖGUT, Pannon										x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	Identify relevant strategies and roadmaps for CCUS	EPFL, ÖGUT														x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	discuss adaptation of roadmap at EU and individual country level	EPFL																			x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	Identify major carbon dioxide sources	EPFL																							x	x	x	x	x	x	x	x	x	x	x	x	x

			2016									2017																									
			November					December				January					February				March				April				May					June			
		First day of week	01	08	15	22	29	06	13	20	27	03	10	17	24	31	07	14	21	28	07	14	21	28	04	11	18	25	02	09	16	23	30	06	13	20	27
		Project month	1					2				3					4				5				6				7					8			
		Lead																																			
WP4	**Land, Water & Biodiversity**	**Imperial**																																			
T4.1	**Land, land use, biomass provision and mineral supply in Europe**	**Imperial**																																			
T4.1.1	**input data**	Imperial																																			
	review data sources	Imperial															x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x				
	gather and fine tune dataset	Imperial																			x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	building resource database by using Zotero	Imperial																			x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	quality check data	Imperial																							x	x	x	x	x	x	x	x	x	x	x	x	x
T4.1.2	define and design **levers**	Imperial																																			
	review levers and levels Global calculator among others	Imperial, OGUT, PIK and UEA																	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x				
	Provide levers and ambition lever levels metrics	Imperial, OGUT, PIK and UEA																			x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	Assess and project scenerios to integrate in the alpha model	Imperial, OGUT, PIK and UEA																							x	x	x	x	x	x	x	x	x	x	x	x	x
T4.1.3	**model** design and implementation	Imperial																																			
	Develop land, land use and mineral spreadsheet	Imperial																							x	x	x	x	x	x	x	x	x	x	x	x	x
	Develop water and biodiversity spreadsheet	Imperial																							x	x	x	x	x	x	x	x	x	x	x	x	x
	Methodology description to integrate lever definitions into the working model	Imperial																																x	x	x	x
T4.2	**Expert consultation workshop on land, land use and carbon stock dynamics, biomass provision & minerals**	**Imperial**																																			
T4.2.1	**Expert Consultation Workshop**	Imperial, PIK, UEA and OGUT																																			
	identify stakeholders/-groups	Imperial, PIK, UEA and OGUT																											x	x	x	x	x	x	x	x	x
	Refined data / spreadsheet	Imperial, PIK, UEA and OGUT																																			
	Produce workshop reports, supporting documents (e.g. list of participants) based on experts comments/suggestions	Imperial, PIK, UEA and OGUT																																			
T4.3	**Impacts of projected biomass provision (food, bioenergy and biomaterials) and climate change on biodiversity and water**	**UEA**																																			
	activities will start later in the project																																				
T4.4	**Expert consultation workshop on the biodiversity and water impacts of biomass provision for food, feed, energy and materials in the EUCalc**	**UEA**																																			
	activities will mostly start later in the project																																				
T4.4.1	**Expert Consultation Workshop**	UEA, UCPH, Imperial and PIK																																			
	identify stakeholders/-groups	UEA, UCPH, Imperial and PIK																											x	x	x	x	x	x	x	x	x
	Refined data / spreadsheet	UEA, UCPH, Imperial and PIK																																			
	Produce workshop reports, supporting documents (e.g. list of participants) based on experts comments/suggestions	UEA, UCPH, Imperial and PIK																																			

			2016									2017																									
			November					December				January					February				March				April				May					June			
		First day of week	01	08	15	22	29	06	13	20	27	03	10	17	24	31	07	14	21	28	07	14	21	28	04	11	18	25	02	09	16	23	30	06	13	20	27
		Project month	1					2				3					4				5				6				7					8			
		Lead																																			
T4.5	**Emissions reduction and carbon sink potentials under technological and dietary change**	**Imperial**																																			
T4.5.1	**EU-28 Land Potential Assessment**	Imperial, PIK																																			
	for the sustainable provision of food, feed, materials and energy and as a carbon sink.	Imperial, PIK																											x	x	x	x	x	x	x	x	x
	highlight promising pathways for sustainable exploitation of land and the associated trade-offs	Imperial, PIK																			x	x	x	x	x	x	x	x	x	x	x	x	x				
	Investigate the potential role of innovation and technological progress to reduce emissions from agriculture.	Imperial, PIK																							x	x	x	x	x	x	x	x	x	x	x	x	x
T4.5.2	**Diet for Climate Mitigation and Health**	Imperial, PIK																																			
	assess potential for alternative diets for climate mitigation/health	Imperial, PIK																			x	x	x	x	x	x	x	x	x	x	x	x	x				
	assess the potential role of innovation and technological progress to reduce emissions from agriculture	Imperial, PIK																							x	x	x	x	x	x	x	x	x	x	x	x	x
	Establish scenarios of potential reduction in emission intensity of individual food types within the EU countries	Imperial, PIK																							x	x	x	x	x	x	x	x	x	x	x	x	x
	Create scenarios of food waste reduction and associated emissions reductions and intensities.	Imperial, PIK																			x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	review the impacts on supply chain vulnerability, resilience and uncertainty to be conducted	Imperial, PIK																			x	x	x	x	x	x	x	x	x	x	x	x	x				
WP5	**Electricity & Fossil Fuels**	**PANNON**																																			
T5.1	**Electricity**	**PANNON**																																			
T5.1.1	**input data**	PANNON								x							x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	review data sources	PANNON								x							x	x	x	x	x	x	x	x													
	gather and fine tune dataset	PANNON																			x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	use data format (as defined by CLIMACT/ PIK)	PANNON																						x	x	x	x	x									
	building resource database by using Zotero	PANNON																			x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	quality check data	PANNON																			x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
T5.1.2	define and design **levers**	PANNON								x			x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	review levers in existing calculators	PANNON								x			x	x	x	x	x	x	x	x	x	x	x														
	select levers	PANNON																				x	x	x	x	x	x										
	assess and do first estimate of lever levels	PANNON																									x	x	x	x	x	x	x	x	x	x	x
T5.1.3	**model** design and implementation	PANNON											x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	review existing calculators	PANNON											x	x	x	x	x	x																			
	first version of the **linear tree model** for energy supply	PANNON															x	x	x	x	x	x	x	x	x												
	based on WP8 feedback on the tree model finalize it	PANNON, Climact																												x	x	x	x				
	based on WP8 feedback on tree model develop pre-calculation table	PANNON																													x	x	x	x	x	x	x
T5.1.4	codesign with **stakeholders**	PANNON								x									x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	identify stakeholders/-groups	PANNON																	x	x	x	x	x	x	x	x											
	formulate **what we want** to know from them	PANNON								x									x	x	x	x	x	x	x	x											
	review **when we need** to know it	PANNON																							x	x	x	x									
	formulate **contact strategy**	PANNON																									x	x	x	x	x						
	add tasks to implement contact strategy	PANNON																												x	x	x	x				
T5.2	**Bioenergy conversion routes for electricity, heat and transport**	**Imperial**																																			
T5.2.1	**input data**	Imperial															x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	review and gather data from data sources	Imperial															x	x	x	x	x	x	x	x													
	build resource database by using Zotero	Imperial																			x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
T5.2.2	define and design **levers**	Imperial															x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	Access and quantify biomass conversion routes and technologies	Imperial															x	x	x	x	x	x	x	x	x	x	x	x									
	review levers in the Global and other existing calculators	Imperial															x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x				
	Select levers, assess and do first estimate of lever levels for biomass conversion routes into different energy carriers	Imperial, PANNON																							x	x	x	x	x	x	x	x	x	x	x	x	x
T5.3	**Water supply of transformation sectors**	**EPFL**																																			
	no activities in the this period																																				
T5.4	**Expert Consultation Co-Design Workshop on electricity/fossil fuels**	**PANNON, SEECN**																																			
	no activities in the first period																																				

			2016									2017																									
			November					December				January					February				March				April				May					June			
		First day of week	01	08	15	22	29	06	13	20	27	03	10	17	24	31	07	14	21	28	07	14	21	28	04	11	18	25	02	09	16	23	30	06	13	20	27
		Project month	1					2				3					4				5				6				7					8			
		Lead																																			
WP6	**Jobs, value added, and social impact**	**TUD**																																			
T6.1	**Improvement and Calibration of the Computable General Equilibrium model GEMINI-E3**	**EPFL**																																			
T6.1.1	GEMINI-E3 Model database update	EPFL								x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	Identify data sources (GTAP, OECD, IMF...)	EPFL								x		x	x	x	x	x																					
	Identify data gaps and how to deal with those gaps	EPFL													x	x	x	x	x	x																	
	Update Database	EPFL																							x	x	x	x	x	x	x	x	x	x	x	x	x
T6.1.2	Model design and implementation	EPFL																																			
	Review how social impacts are integrated in macroeconomic tools	EPFL															x	x	x	x	x	x	x	x													
T6.2	**Analysis of policies required to achieve these scenarios**	**TUD**																																			
	will start later																																				
T6.3	**Identification of the parameters relevant to assess socio-economic impacts and consultation workshop**	**TUD**																																			
T6.3.1	Literature review on social issues for EUCalc	TUD											x	x	x	x	x	x	x	x																	
	Defining sector specific social issues and relevant stakeholders	TUD																	x	x	x	x	x	x													
T6.3.2	Organisation of dedicated SH/Expert meeting to define social indicators for EUCalc – linking options found by Lausanne to needs	TUD																				x	x	x	x	x	x	x									
T6.3.3	Designing stakeholder survey	TUD																							x	x	x	x	x	x	x	x	x				
	Defining the final social and socio-economic issues for assessment	TUD																																x	x	x	x
T6.3.4	Research on existing database that could be used	TUD								x		x	x	x	x	x	x	x	x	x																	
	Identify data gaps and how to deal with those gaps	TUD															x	x	x	x	x	x	x	x													
	Assess possible interactions with other WPs	TUD																			x	x	x	x	x	x	x	x	x	x							
	Tentative lists of inputs that could be used from other WPs	TUD																										x	x	x	x	x	x	x	x		
T6.4	**Analysis of the impact on GDP, competitiveness and employment**	**EPFL**																																			
T6.4.1	Input data	EFFL								x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		
T6.4.2	Model and Levers	EPFL								x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
	Review existing calculators	EPFL								x		x	x	x	x	x	x	x																			
	Review levers in existing calculators, pros and cons in using them	EPFL																	x	x	x	x	x	x	x	x	x	x									
	Tentative lists of outputs delivered from T6.4	EPFL																											x	x	x	x	x	x	x	x	
T6.4.3	Codesign with stakeholders	TUD																																			
T6.5	**Analysis of the impact on food- and energy security (including fuel poverty) and other impacts identified in task 6.1 (LEAD: EPFL)**	**EPFL**																																			
T6.5.1	Input data	EPFL								x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	Research on existing database that could be used	EPFL								x		x	x	x	x	x	x	x	x	x	x	x															
	Identify data gaps and how to deal with those gaps	EPFL																			x	x	x	x	x	x	x	x									
	Assess possible interactions with other WPs	EPFL																							x	x	x	x	x	x	x	x	x				
	Tentative lists of inputs that could be used from other WPs	EPFL																													x	x	x	x	x	x	x
T6.5.2	Model and Levers	EPFL								x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	Review existing calculators	EPFL								x		x	x	x	x	x	x	x																			
	Review levers in existing calculators, pros and cons in using them	EPFL																	x	x	x	x	x	x	x	x	x	x									
	Tentative lists of outputs delivered from T6.4	EPFL																											x	x	x	x	x	x	x	x	x
T6.5.3	Codesign with stakeholders (TUD)	TUD																																			
T6.6	**Development of new EUCalc module on socio-economic impacts and associated GEMINI-E3 library**	**Climact**																																			
	details will follow later																																				

			2016									2017																									
			November					December				January					February				March				April				May					June			
		First day of week	01	08	15	22	29	06	13	20	27	03	10	17	24	31	07	14	21	28	07	14	21	28	04	11	18	25	02	09	16	23	30	06	13	20	27
		Project month	1					2				3					4				5				6				7					8			
		Lead																																			
WP7	**Transboundary effects, trade & flows**	**UCPH**																																			
T7.1	**Data gathering & design model development plan**	**UCPH**																																			
T7.1.1	**data gathering for baseline construction**	UCPH, PIK, CLIMACT								x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	identify data needs and review data sources									x		x	x	x	x	x	x	x	x	x	x	x	x														
	gather data																				x	x	x	x	x	x	x	x	x	x	x	x	x				
	identify and manage data **gaps**																												x	x	x	x	x	x	x	x	x
	formate data																																	x	x	x	x
	data validation and storage																																				
	quality check data																																				
T7.1.2	**design plan for model development**	UCPH, PIK, IMPERIAL								x															x	x	x	x	x	x	x	x	x	x	x	x	x
	identify model needs									x															x	x	x	x	x	x	x	x	x	x	x		
	review existing models																															x	x	x	x	x	x
	design modeling plan																																				
T7.2	**Interface and scenario designs**	**Imperial, UCPH**																																			
T7.2.1	**design interface with sectoral WPs**	Imperial, UCPH								x																			x	x	x	x	x	x	x	x	x
	gathering lever setting data from WP1-6																												x	x	x	x	x	x	x	x	x
	interface with WP1-6																																			x	x
T7.2.2	**generate model scenarios**	UCPH, PIK, IMPERIAL																																			
	generate model scenarios																																				
T7.3	**Expert consultation workshops**	**UCPH**																																			
	starts at month 22	UCPH, CMF, TUD, SEECN																																			
T7.4	**CGE model development & scenario implementation**	**UCPH**																																			
T7.4.1	CGE model development	UCPH								x																											
T7.4.2	scenario implementation	UCPH, PIK																																			
	starts at month 24																																				
WP8	**Model & Module Integration**	**Climact**																																			
T8.1	**Initial version of the model**	**Climact**																																			
T8.1.0	Communicate Global Calculator methodology																																				
	Share existing 2050 community training material	Climact										x	x	x	x	x																					
	Draft overview of the 2050 calculators concept	Climact										x	x	x	x	x																					
T8.1.1	Assess process requirements																																				
	Transport Calculation tree dummy	Climact							x	x	x	x	x	x	x	x	x	x	x	x																	
	Space/time assessment all sectors	Climact, then all													x	x	x	x	x	x	x	x															
	Precalculation potential assessment	Climact												x	x	x	x	x	x	x	x	x	x	x													
	Transport model dummy	Climact																x	x	x	x	x	x	x													
	All sectors Calculation tree dummies	Climact, then All																	x	x	x	x	x	x	x	x	x	x									
	All sectors boundary definition with precalculation	Climact, then All																								x	x	x	x	x	x	x	x				
T8.1.2	Validate Technology and architecture																																				
	Transport precalculation dummy in Alteryx	Climact															x	x	x	x	x	x	x	x													
	Transport model (precalc+real time)	Climact																			x	x	x	x	x	x	x	x									

			2016									2017																									
			November					December				January					February				March				April				May					June			
		First day of week	01	08	15	22	29	06	13	20	27	03	10	17	24	31	07	14	21	28	07	14	21	28	04	11	18	25	02	09	16	23	30	06	13	20	27
		Project month	1					2				3					4				5				6				7					8			
		Lead																																			
T8.1.3	Prototype																																				
	Initial internal version of the model	Climact																							x	x	x	x	x	x	x	x	x	x	x	x	x
	Support initial Lifestyle modeling	Climact, PIK																											x	x	x	x	x	x	x	x	x
	Support initial Buildings modeling	Climact, BPIE																											x	x	x	x	x	x	x	x	x
	Support initial Manufacturing modeling	Climact, ÖGUT, PANNON																											x	x	x	x	x	x	x	x	x
	Support initial Food production modeling	Climact, Imperial																											x	x	x	x	x	x	x	x	x
	Support initial Energy production modeling	Climact, PANNON																											x	x	x	x	x	x	x	x	x
T8.2	**28+1-country version of the model**	**Climact**																																x	x	x	x
T8.3	**Integrate Economy, EU & rest of World**	**EPFL**																																x	x	x	x
	will start in Month 6																																				
T8.4	**Integrate Resources**	**BPIE**																																x	x	x	x
	will start in Month 6																																				
T8.5	**Integrate Storage requirements (LEAD: PANNON)**	**PANNON**																																x	x	x	x
	will start in Month 6																																				
T8.6	**Integrate Transboundary effects, trade & flows (Lead UCPH)**	**UCPH**																																x	x	x	x
	will start in Month 6																																				
T8.7	**Integrate Jobs, value added, and social impact (LEAD EPFL)**	**EPFL**																																x	x	x	x
	will start in Month 6																																				
T8.8	**Integrate stakeholder feedback (LEAD CLIMACT)**	**CLIMACT**																																x	x	x	x
	will start in Month 6																																				
WP9	**Co-creation, Stakeholder Involvement, Transition Pathway Explorer**	**CMF**																																			
T 9.1	**User demand evaluation and concretisation**	**Imperial**																																			
	D 9.1 a study of policy papers	Imperial															x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	D 9.1 b informal end user consultation	Imperial, all													x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	D 9.1 c demand analysis workshop I (MS1)	Imperial, CMF, SEECN					MS1		x	x																											
	D 9.1 d demand analysis workshop II	Imperial, CMF, SEECN											x	x	x	x	x	x	x	x	x	x	x														
	D 9.1 e demand workshop minutes (MS1)	Imperial										x												x													
	D 9.1 f User demand documentation	Imperial, with the help of CMF and SEECN																																			
T 9.2	**Coordination of co-design expert consultation workshops, stakeholder engagement and call of evidence**	**SEECN, T6, Climact, all**																																			
	Fine-tune methodology for stakeholder mapping and analysis [distinguish between stakeholders for "co-design" and stakeholders for "dissemination", list considerations and parameters for stakeholder matrix e.g. geographic coverage, balanced representation of different types of stakeholders (civil society, policy makers, businesses, technology and science), sources of credibility, level of interest and influence, etc.] [take into account end-user demands from Task 9.1 and coordinate with WP 10 regarding stakeholders definition/engagement under the dissemination and exploitation strategy]	SEECN							x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x													

			2016									2017																									
			November					December				January					February				March				April				May					June			
		First day of week	01	08	15	22	29	06	13	20	27	03	10	17	24	31	07	14	21	28	07	14	21	28	04	11	18	25	02	09	16	23	30	06	13	20	27
		Project month	1					2				3					4				5				6				7					8			
		Lead																																			
	Collect inputs and work with WPs 1-7 on stakeholder mapping and analysis [this includes preparing/filling in stakeholders' matrix templates, guidelines for information management, as well as agreeing criteria for selection of a representative cross-section of WPs 1-7 relevant socio-economic actors for co-design consultation workshops.] [SEECN leads, with support of all partners]	SEECN										x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x				
	Produce stakeholder mapping report for co-design process in WPs 1-7 [SEECN with feedback from all partners]	SEECN																											x	x	x	x	x	x	x	x	x
	D 9.3.aCollect information (Global Calculator, national calculators) and analyze various co-design and stakeholder engagement strategies for each of the three following co-design components: co-design consultation workshops, call for evidence, and "ongoing" stakeholder consultations during the WPs 1-7 research and model building phase. Coordinate with WP 10 regarding stakeholders engagement under the dissemination and exploitation strategy. [SEECN leads, with input and feedback from all partners]	SEECN							x	x	x	x	x	x	x	x	x	x	x	x																	
	Collect information (Global Calculator, national calculators) and analyze various co-design and stakeholder engagement strategies for each of the three following co-design components: co-design consultation workshops, call for evidence, and "ongoing" stakeholder consultations during the WPs 1-7 research and model building phase. Coordinate with WP 10 regarding stakeholders engagement under the dissemination and exploitation strategy. [SEECN leads, with input and feedback from all partners]	SEECN							x	x	x	x	x	x	x	x	x	x	x	x																	
	Draft program aspects of the co-design process (co-design values and principles, methods, tools, codes of conduct, information management of planned co-design activities). Coordinate inside WP9 and with WP8 on tools for co-design (Ppt, Pathway Explorer, etc.), with WP10 regarding visual design of co-design consultation material, and with WP11 on ethical aspects	SEECN, all										x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	Collect inputs and work with WPs 1-7 to define operational aspects and implementation of co-design consultation workshops [define timing / dates, location, content and tools for consultations, logistics, etc.] Consider the project workflow aspects (interdependencies between WPs)	SEECN, all										x	x	x	x	x	x	x	x	x					x	x	x	x						x	x	x	x
	Produce report on the Method and time plan for implementation of co-design process (co-design consultation workshops and the public call of evidence)	SEECN, all																											x	x	x	x	x	x	x	x	x
	Training and alignment workshop as kick-off of the co-design consultation workshops will be planned in more detail soon [it includes aspects of design, organization and facilitation of the internal workshop, underpinned by D 9.2 and D 9.3]	SEECN, all																																x	x	x	x
T9.3	**Initial version of the ECCalc Pathway Explorer**	**CMF**																																			
	Questionare for partners regarding design aspects etc	CMF														x	x																					
	Preliminary considerations about EUCalc Pathways Explorer	CMF																		x					x				x	x	x	x	x	x	x	x	x
T9.4	**Final version of the ECCalc Pathway Explorer after call of evidence**	**CMF**																																			
	will start later																																				

			2016									2017																									
			November					December				January					February				March				April				May					June			
		First day of week	01	08	15	22	29	06	13	20	27	03	10	17	24	31	07	14	21	28	07	14	21	28	04	11	18	25	02	09	16	23	30	06	13	20	27
		Project month	1					2				3					4				5				6				7					8			
		Lead																																			
WP10	**Dissemination, Communication and My Europe 2050 tool**	**T6**																																			
	Establish Dissemination and communication team	T6 and all							x																												
T10.1	**Visual design, project website and dissemination materials**	T6																																			
T10.1.1	EUCalc Factsheet (D10.1)	PIK																																			
	Draft text (PIK)	PIK								x			x	x																							
	Check by Diss Team	PIK and MB													x	x																					
	Submission to EU	PIK					10.1								x	x																					
T10.1.2	Branding	T6																																			
	Collecting first ideas (discussion at kick-off meeting)	T6 and all							x																												
	Collecting further ideas through a questionnaire	T6, CMF, all												x	x	x																					
	Brief for graphic designer	T6, CMF															x																				
	Visual identity presented and accepted by all partners	T6																	x	x				x													
	Identity handbook, including rules for publications (MS2)	T6														MS 2	x	x	x	x	x	x	x	x													
D10.1.3	Dissemination and communication strategy (D10.2)	CMF																																			
	Collection of information through questionnaire	CMF, T6															x	x																			
	Draft first version of strategy	CMF																	x	x	x	x	x	x													
	Feedback from dissemination team on strategy	CMF, T6, others diss																							x	x											
	Final version of strategy with submission to EC (D10.2)	CMF																									10.2										
	Present strategy at next project meeting of during a conf call	CMF																									x										
D10.1.4	Project website (D10.3)	PIK																																			
	buying a url	PIK															x	x																			
	develop structure for website	PIK, CMF, T6																x	x	x																	
	set-up social media channels	?																	x	x	x																
	collect contributions from all partners	T6, PIK?																			x	x	x	x	x												
	Design and 1st release of website and upload of D10.3	PIK																				x	x	x	x	x	10.3										
T10.2	**Development of "My Europe 2050" e-learning tool and MOOC module for educational purposes**	**CMF/TUD**																																			
	contribution to dissemination strategy in regard to activities in this task	CMF, TUD																			x	x	x														
	inventory on MOOC set-up	TUD																																x	x	x	x
	criteria for MOOC development; costs; planning	TUD																																x	x	x	x
T10.3	**Creation of an audio-visual pathway narration for the EUCalc Pathways Explorer and the e-learning tool**	**CMF**																																			
	contribution to dissemination strategy in regard to activities in this task	CMF																			x	x	x														
T10.4	**Dissemination to and interaction with political actors**	**Imperial**																																			
	contribution to dissemination strategy in regard to activities in this task	Imperial																			x	x	x														
	first collection of political actors to be involved in outrach activities	Imperial																			x	x	x														
T10.5	**Dissemination and communication to the business community and technology innovators**	**SEECN**																																			
	contribution to dissemination strategy in regard to activities in this task	SEECN																			x	x	x														
T10.6	**Scientific dissemination**	**PIK**																																			
	contribution to dissemination strategy in regard to activities in this task	PIK																			x	x	x														
T10.7	**EUCalc exploitation planning**	**Climact**																																			
	starts later																																				

			2016									2017																									
			November					December				January					February				March				April				May					June			
		First day of week	01	08	15	22	29	06	13	20	27	03	10	17	24	31	07	14	21	28	07	14	21	28	04	11	18	25	02	09	16	23	30	06	13	20	27
		Project month	1					2				3					4				5				6				7					8			
		Lead																																			
WP11	**Management, Governance, Monitoring & Evaluation**	**PIK**																																			
T11.1	**Project coordination and management**	**PIK**																																			
	Set-up of project coordination team	PIK	x																																		
	First general conference call to kick-off first activities	PIK	x	x																																	
	Invitation of Advisory Board members	PIK	x	x	x	x	x	x	x	x	x	x	x	x	x	x																					
	Set-up of first common shared documents	PIK															x	x	x	x																	
	Organisation, implementation and follow-up of kick-off meeting	PIK	x	x	x	x	x	x	x	x	x																										
	First Management Board meeting and follow-up	PIK							x					x	x																						
	Set-up of zotero for sharing of articles	PIK										x	x	x																							
	Collaboration activitiues with sister projects	PIK	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	Detailed work plan for first six months (D11.1)	PIK, T6					11.1			x		x	x	x	x	x																					
	Data management plan (D11.2)	PIK,Climact, all															x	x	x	x	x	x	x	x	x	x	x	11.2									
	Advisory Board final list and Terms of reference (D11.3)	PIK															x	x	x	x	x	x	x	x	x	x	x	11.3									
T11.2	**Quality control, monitoring and evaluation**	**PIK**																																			
	Discussion of internal quality control guidelines during 1st MB meeting	PIK, MB								x																											
	Internal review guidelines to be shared with all partners	PIK																x	x	x																	
	Quality review of deliverables	PIK, MB																x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
T11.3	**Financial management**	**PIK**																																			
	Presentation of financial management activities during kick-off meeting	PIK, T6								x																											
	1st cost statement	PIK, T6, all																											x	x	x	x	x	x			
T11.4	**Coordination/synergies with relevant EU projects and other intiiatives**	**PIK**																																			
	Invitation of sister project coordinators to Advisory Board	PIK	x	x	x																																
	Participation in kick-off meetings of sister projects	PIK	x	x	x	x									x																						
WP12	**Ethical requirements**	**PIK**																																			
	H-Requirement No. 1 (D12.1)	PIK									12.1	x	x	x	x	x	x	x	x	x																	
	POPD-Requirement No. 4 (D12.2)	PIK																			x	x	x	x	x	x	x	12.2									
																					x	x	x	x	x	x	x	12.2									

Table 4: Detailed work plan for the Months 1 – 8 (November 2016 – June 2017)

5 Monitoring and follow-up

As written above, the presented work plan shall support the consortium members to implement project activities from the very start of the project. The discussion on detailed activities within the work package groups during the kick-off meeting (and during the preparation of the meeting) served also to support the elaboration of the plan presented. The implementation of activities will be monitored during monthly conference calls that have been set to take place during the second Thursday of each month. Potential delays and ongoing status of the workplan will be discussed there, including consequences for further activities in the near future and for the project as a whole.

6 References

EUCalc Grant Agreement, Annex I (part A)