



PARIS
REINFORCE



PARIS
REINFORCE

26/05/2022

**D1.4 REPORT ON PROJECT AND ADVISORY
BOARD MEETINGS – UPDATE 2**

WP1 – Project Management

Version: 1.00

www.paris-reinforce.eu



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EC Summary Requirements

1. Changes with respect to the DoA

A major change with respect to the work described in the DoA refers to the cancellation of the physical meetings planned for November 2021 and May 2022 due to the COVID-19 pandemic. However, both physical meetings were substituted with two online, two-day project meetings, on November 23 and 25, 2021 as well as on May 24 and 25, 2022, respectively. Furthermore, the consortium held a large number of online meetings focusing on each WP, aiming to enhance coordination.

2. Dissemination and uptake

This deliverable could be used for internal review of the progress of the project and as reference to the project partners for the implementation of their tasks, against what has been agreed by the consortium.

3. Short summary of results (<250 words)

In line with the Quality Management Plan (deliverable D1.1), physical and remote (online) meetings are employed in PARIS REINFORCE for the effective communication among project partners during the project lifecycle. Regular meetings on all Work Package updates (with reviews and appropriate revisions of the work) enable the consortium to follow a realistic time schedule and to introduce corrective actions in a timely fashion, ensuring that the project is on track towards achieving its objectives and vision. The management team from NTUA is responsible for the organisation of the agenda and for the coordination of these meetings.

In the period covered by this report (December 2020 to May 2022), no physical meetings have taken place due to the COVID-19 pandemic. However, the consortium held one two-day Technical Review Meeting, two two-day Project Meetings and thirteen Management Board and/or Consortium Calls in this period. All project partners have been active and fully engaged in the project meetings, showing high level of ownership and commitment to the objectives of the project.



















4. Evidence of accomplishment

This report provides the evidence of the implementation of project meetings as they are described in the Description of the Action. Evidence of accomplishment of the actions agreed during these meetings is provided in all other deliverables of the project, which report *inter alia* the substantial scientific work in PARIS REINFORCE.



Preface

PARIS REINFORCE will develop a novel, demand-driven, IAM-oriented assessment framework for effectively supporting the design and assessment of climate policies in the European Union as well as in other major emitters and selected less emitting countries, in respect to the Paris Agreement. By engaging policymakers and scientists/modellers, PARIS REINFORCE will create the open-access and transparent data exchange platform ¹PARIS, in order to support the effective implementation of Nationally Determined Contributions, the preparation of future action pledges, the development of 2050 decarbonisation strategies, and the reinforcement of the 2023 Global Stocktake. Finally, PARIS REINFORCE will introduce innovative integrative processes, in which IAMs are further coupled with well-established methodological frameworks, in order to improve the robustness of modelling outcomes against different types of uncertainties.

NTUA - National Technical University of Athens	GR	
BC3 - Basque Centre for Climate Change	ES	
Bruegel - Bruegel AISBL	BE	
Cambridge - University of Cambridge	UK	
CICERO - Cicero Senter Klimaforskning Stiftelse	NO	
CMCC - Fondazione Centro Euro-Mediterraneo sui Cambiamenti Climatici	IT	
E4SMA - Energy Engineering Economic Environment Systems Modeling and Analysis	IT	
EPFL - École polytechnique fédérale de Lausanne	CH	
Fraunhofer ISI - Fraunhofer Institute for Systems and Innovation Research	DE	
Grantham - Imperial College of Science Technology and Medicine - Grantham Institute	UK	
HOLISTIC - Holistic P.C.	GR	
IEECP - Institute for European Energy and Climate Policy Stichting	NL	
SEURECO - Société Européenne d'Economie SARL	FR	
CDS/UnB - Centre for Sustainable Development of the University of Brasilia	BR	
CUP - China University of Petroleum-Beijing	CN	
IEF-RAS - Institute of Economic Forecasting - Russian Academy of Sciences	RU	
IGES - Institute for Global Environmental Strategies	JP	
TERI - The Energy and Resources Institute	IN	



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1 Introduction

As reflected in the Description of the Action, regular and ad hoc meetings are held during the project lifecycle. Regular plenary meetings are planned to take place every six months with the aim to ensure that all procedures are understood and implemented as planned. The Project Coordinator is responsible for the organisation (agenda) and communication of the meeting details (time, place). Meeting minutes are compiled and distributed to all participants. Since February 2020 and the outbreak of the COVID-19 pandemic, the PARIS REINFORCE consortium decided to replace all physical meetings with online regular meetings.

In line with the Quality Management Plan (deliverable D1.1), remote meetings (through Microsoft Teams, which replaced the GoToMeeting tool used in the first semester of the project) are employed for the effective communication among project partners during the project lifecycle. Regular meetings on all Work Package updates (with reviews and appropriate revisions of the work) enable the consortium to follow a realistic time schedule and to introduce corrective actions in a timely fashion, ensuring that the project is on track towards achieving its objectives and vision. The management team from NTUA is responsible for the organisation of the agenda and for the coordination of these meetings.

In the period covered by this report (December 2020 - May 2022), sixteen meetings have taken place (Table 1).

Table 1: PARIS REINFORCE Project Meetings (covering period December 2020-May 2022)

Type of meeting	Date	
Remote (teleconference)	Management Board Meeting	2020-12-15
Remote (teleconference)	Management Board Meeting	2021-01-19
Remote (teleconference)	Management Board Meeting	2021-02-01
Remote (teleconference)	Technical Review Meeting	2021-02-04 & 2021-0-05
Remote (teleconference)	Management Board Meeting	2021-02-23
Remote (teleconference)	Management Board Meeting	2021-03-24
Remote (teleconference)	Management Board Meeting	2021-04-27
Remote (teleconference)	Management Board Meeting	2021-06-15
Remote (teleconference)	Ad-hoc Platform Meeting	2021-07-07
Remote (teleconference)	Management Board Meeting	2021-09-21
Remote (teleconference)	Management Board Meeting	2021-10-19
Remote (teleconference)	4 th Project (Plenary) Meeting	2021-11-23 & 2021-11-25
Remote (teleconference)	Management Board Meeting	2022-01-18
Remote (teleconference)	Management Board Meeting	2022-02-01
Remote (teleconference)	Management Board Meeting	2022-03-15
Remote (teleconference)	5 th Project (Plenary) Meeting	2022-05-24 & 2022-05-25

1.1 Purpose and Scope

The purpose of this deliverable is to feature a periodic report of all (in this case, online) project meetings (agendas, minutes, etc.). There have not been Scientific Advisory Board meetings in this period.

1.2 Structure of the Document

Deliverable D1.4 “Project and Advisory Board Meetings – Update 2” of the PARIS REINFORCE project consists of the agenda and minutes of each online meeting.



2 Remote (online) meetings

2.1 Agenda and minutes of the Management Board Meeting, December 15, 2020

Tuesday, December 15, 2020
Management Board Meeting
14:00-15:00 CET

Microsoft Teams

Participants: Beneficiaries

Agenda

1. Update on the project progress (completed, ongoing, and upcoming tasks and Deliverables)
 - WP1
 - WP2
 - WP3
 - CAC workshop (Bruegel, E4SMA)
 - WP4
 - WP5
 - WP6
 - WP7
 - AR6 WWH submission (CICERO)
 - AR6 harmonisation submission (Imperial Grantham)
 - WP8
 - WP9
2. Midterm report (NTUA)
3. Review Meeting: February 4-5, 2021 (NTUA)
4. Any other business

Present on Call

1	Alexandros Nikas	NTUA
2	Zsolt Lengyel	IEECP
3	Hannah Parris	Cambridge
4	George Stravodimos	IEECP
5	Haris Doukas	NTUA
6	Filippos Serepas	NTUA
7	Chris Petkidis	NTUA
8	Rocco De Miglio	E4SMA
9	Ester Galende	BC3
10	Marc Vielle	EPFL
11	Alevgul Sorman	BC3



12	Baptiste Boitier	SEURECO
13	Sigit Perdana	EPFL
14	Alessia Elia	E4SMA
15	Maurizio Gargiulo	E4SMA
16	Gambhir, Ajay	Imperial
17	Moreno Membrillera, Jorge	BC3
18	Mikel Gonzalez-Eguino	BC3
19	Ben McWilliams	Bruegel
20	Glen Peters	CICERO
21	Anastasios Karamaneas	NTUA

Minutes: Main issues discussed

Item	Description	Action	
		What	Who
1	<ul style="list-style-type: none"> Regarding the project's management, the main issues discussed were related to the Interim Report and the Review Meeting with the EC's reviewers (discussed thoroughly in the last section of this meeting). Apart from that, Dr. Nikas clarified that the IPCC AR6 WGIII TSU has set a flexible deadline regarding the submission of scenarios. The two scenario package submissions are also important for WP2 since the modelling results must be uploaded to the project's platform. Another discussion topic, regarding WP3, was the successful hosting of the CAC workshop, which only demonstrated minor translating issues in the breakout rooms. A follow-up action is the composition of the event's summary. There are no special issues regarding WP4. The sole development relevant to this WP is the utilisation of the workshops' data as feedback for Task 4.1. Since global modelling runs are the project's major development during this period, WPs 5-7 were at the heart of the entire discussion. Specifically, regarding WP5 the 'Where we are headed' scenarios are underway. In continuation of the Kenyan, Indian, and CAC Workshops, WP6 mitigation scenarios must be examined for these regions. Moreover, the option to organise workshops for the USA, China, Brazil and Russia was also discussed. As already mentioned, two papers, related to WP7, are prepared to be submitted. The first one is about a multi-model study and the second one is related to the harmonisation of the various models used in the project. As commented by the partners leading them, these papers will be sent as soon as possible to all the partners for feedback. As the EU is preparing its Climate Pact, Mr. Lengyel, in the context of WP8, proposed that the project organise a satellite event to support the EU's initiative. This endeavour can also include sister projects such as LOCOMOTION and NAVIGATE but it can also be reflected on other WPs of the project. 	<p>Submit scenarios of the two core PARIS REINFORCE papers to the WGIII TSU</p> <p>Upload the papers' results to the platform</p> <p>Summary of the CAC workshop, and upload onto website</p> <p>MCDM Analysis from the workshops' data</p> <p>Discussion on next steps and plan to organise a call to discuss the results</p> <p>Development of Scenarios and protocols for India</p> <p>Communication to organise the other workshops</p> <p>Finalising the two papers and sending them to the partners</p> <p>Comments on the papers before submission</p> <p>Organising a satellite event</p> <p>Discussion to include other WPs.</p>	<p>All partners</p> <p>BC3, CICERO</p> <p>E4SMA, NTUA</p> <p>NTUA</p> <p>SEURECO, Modelling partners</p> <p>Imperial</p> <p>CICERO, Imperial</p> <p>All partners</p> <p>IEECP</p> <p>All partners</p>
2	<ul style="list-style-type: none"> After discussing progress across WPs, the discussion moved to the Midterm Report, which is mostly prepared, lacking a few important elements. The first one is the integration of WPs 3 and 7, to be shortly provided as the corresponding partners mentioned. The second element missing is the summary of the progress, which also depends on the completion of the first 	<p>Completing the sections for WPs 3 & 7</p> <p>Composing the summary of progress</p>	<p>Bruegel, Cambridge, NTUA</p> <p>NTUA</p>



	element. Finally, as Dr. Nikas stated, the financial dimension of the report is also incomplete.	Providing financial info	All partners
3	<ul style="list-style-type: none"> Finally, the Review Meeting was also discussed. The project's partners were informed that this meeting will take place on the 4th and 5th of February since they were no conflicts. Moreover, during this discussion, the tentative agenda of the Review Meeting was presented to the project's partners. Afterwards, Dr. Doukas took the floor and mentioned that the EC proposed two reviewers and that there were no objections from the project's management. He also made multiple notes regarding the preparation of the Review Meeting. His main remarks were that all WP and Task leaders as well as at least one person from each partner should participate in the Review Meeting and that it would be beneficial to organise a rehearsal in order to better plan the presentation of the project's progress to the EC' reviewers. Special mention was made to WP3, which is facing an important issue regarding the progress of workshops due to the pandemic. 	<p>Prepare a short presentation</p> <p>Rehearsal</p>	<p>NTUA</p> <p>All Partners</p>



2.2 Agenda and minutes of the Management Board Meeting, January 19, 2021

Tuesday, January 19, 2021
Management Board Meeting
10:00-12:00 CET

Microsoft Teams

Participants: Beneficiaries

Agenda

1. Preparation for the technical review meeting regarding WP5
2. Discussion on the ongoing work for WP5
3. Next steps for WP5

Present on Call

1	Alexandros Nikas	NTUA
2	Haris Doukas	NTUA
3	Rocco De Miglio	E4SMA
4	Marc Vielle	EPFL
5	Baptiste Boitier	SEURECO
6	Sigit Perdana	EPFL
7	Alessia Elia	E4SMA
8	Maurizio Gargiulo	E4SMA
9	Gambhir, Ajay	Imperial
10	Ben McWilliams	Bruegel
11	Glen Peters	CICERO
12	Elisa Delpiazzo	CMCC
13	Alessandro Chiodi	E4SMA
14	Felix Neuner	FhISI
15	Konstantinos Koasidis	NTUA
16	Lucia Perugini	CMCC
17	Gabrielle Casetti	E4SMA
18	Lorenza Campagnolo	CMCC
19	Dirk-Jan Van de Ven	BC3
20	Ida Sognaes	CICERO
21	Adam Hawkes	Imperial
22	Jorge Moreno	BC3
23	Andrea Herbst	FhISI
24	Alexandre Koberle	Imperial
25	Ekaterina Tarasova	Guest
26	Shivika Mittal	Imperial
27	Annela Anger-Kraavi	Cambridge



Minutes: Main issues discussed

Item	Description	Action	
		What	Who
1	<ul style="list-style-type: none"> The meeting started with a conversation regarding the technical review. In this discussion, Dr. Baptiste Boitier (in charge of WP5) took the floor. He mentioned that the results of 3 out of 4 models are already analysed and inter-compared. Moreover, the work on the WWH scenario must be validated Finally, the project team must upload the modelling results to the IPCC database, preferably using a specific template for inter-comparison purposes. 	Submit modelling results to the IPCC database	SEURECO in communication with FhISI partner
2	<ul style="list-style-type: none"> The most important current development of WP5 is related to model mapping, in which the consortium's modelling partners must identify the capabilities of the models they use. The list of these models is already defined from the 2019 workshop in Brussels. This process must be completed by February in order to prepare the relevant deliverable and paper. Furthermore, the finalisation of the WWH scenario is progressing, since the issue regarding the building sector was resolved. The last issue discussed was proposed by SEURECO, who suggested coupling the NEMESIS and ALADDIN models. In this discussion, there was also a suggestion to examine a 'Fit for 55' scenario apart from the Paris Agreement-compliant one. 	<p>Model mapping</p> <p>Preparation of relevant deliverable and paper</p> <p>Send building sector results</p> <p>Couple NEMESIS and ALADDIN</p> <p>Introduce a Fit for 55 scenario</p>	<p>All partners</p> <p>E4SMA, SEURECO, NTUA</p> <p>FhISI SEURECO</p> <p>Fh ISI</p> <p>SEURECO, E4SMA</p>
3	<ul style="list-style-type: none"> Regarding Task 5.1 the consortium suggested that there must be a discussion regarding the significant changes in the European policy context in the last two years. In this context, partners were encouraged to send ideas on COVID impact scenarios. In this direction, SEURECO, E4SMA, and NTUA are already working on relevant scenarios. Discussions around Task 5.2 focused on sub-Task 5.2.4, which examines the aspect of the AFOLU sector in mitigation pathways, which is usually excluded from policies. This discussion was accompanied by a thorough presentation from CMCC partners, which overviewed issues such as land use categories, emissions per sub-category, common agricultural policies, etc. Moving into Task 5.3, the discussion shifted toward the EU Green Deal and other policy tools, as well as the impact of dietary options on GHG mitigation. In this context, EPFL partners commenced a discussion about the EU's climate policies in the upcoming years, also mentioning the issue of UK leaving EU and Brexit's impact on the UK's ETS system. This meeting closed with a brief discussion regarding SDG implications on Paris Agreement scenarios. 	<p>Send ideas for COVID impact scenarios to NTUA, EPFL and Imperial</p> <p>Send a file with info regarding SDG implications in models</p>	<p>All partners</p> <p>All modelling partners</p>



2.3 Agenda and minutes of the Management Board Meeting, February 1, 2021

Monday, February 1, 2021
Management Board Meeting
12:30-15:00 CET

Microsoft Teams

Participants: Beneficiaries

Agenda

1. Discussion on the pandemic's impact on the project
2. Detailed update on the project's Work Packages:
 - WP2
 - WP3
 - WP4
 - WP5
 - WP6
 - WP7
 - WP8
 - WP1

Present on Call

1	Alexandros Nikas	NTUA
2	Haris Doukas	NTUA
3	Baptiste Boitier	SEURECO
4	Gambhir, Ajay	Imperial
5	Ben McWilliams	Bruegel
6	Glen Peters	CICERO
7	Elisa Delpiazzo	CMCC
8	Konstantinos Koasidis	NTUA
9	Dirk-Jan Van de Ven	BC3
10	Ida Sognnaes	CICERO
11	Jorge Moreno	BC3
12	Alexandre Koberle	Imperial
13	George Stravodimos	IEECP
14	Zsolt Lengyel	IEECP
15	Hannah Paris	Cambridge
16	Paul Zagame	SEURECO
17	Annela Anger-Kraavi	Cambridge
18	Vaggelis Marinakis	Holistic
19	Alevgul Sorman	BC3
20	Sara Giarola	Imperial
21	Shivika Mittal	Imperial
22	Ester Galende	BC3



Minutes: Main issues discussed

Item	Description	Action	
		What	Who
1	<ul style="list-style-type: none"> Prof. Doukas commenced the meeting by pointing out that the purpose is to update consortium partners on the project's developments prior to the technical review. Afterwards, the discussion shifted toward the 6-month extension request proposal due to COVID-19. The pandemic has been a major barrier to the project's development and especially to tasks related to stakeholder engagement, which is one of the main objectives of the project. This issue has led to the delay of a couple of deliverables as well as to significant underspend. In this discussion, partners also suggested that the consortium should also focus on COVID-19 modelling work apart from its very effective CDE activities. 	Include COVID-19 implications in future deliverables	All partners
2	<ul style="list-style-type: none"> The presentation of progress across WPs started from WP2. The project has overachieved its KPIs regarding the I²AM PARIS platform, which has been visited by 660 unique visitors so far. Afterwards, the presentation continued with a brief overview of the platform's sections, including the documentation and results panes as well as an open call for modellers to contribute to the project's endeavour. In a more detailed description, the documentation section provides various capabilities such as a harmonisation heatmap of the various models used as well as a data exploration feature. The WP2 presentation concluded with an overview of the platform's workspaces, which are to present modelling results and resulting policy insights. The meeting continued with a brief overview of WP3 deliverables and progress. The stakeholder engagement plan was another subject, as well as the impact of the Brussels workshop in 2019. Other points of discussion were the project's policy brief, regarding the models' capabilities, and the stakeholder council mapping process. The conversation shifted toward more specific issues such as the pandemic's impact on WP3 and the work done for non-EU workshops, providing feedback for WP6. During this discussion, Prof. Doukas suggested that the consortium must come up with a plan for EU workshops, considering delays due to COVID-19. Afterwards, Dr. Nikas took the floor and presented progress in WP4. Regarding Tasks 4.1 and 4.2 there is already considerable progress since there are already various case studies regarding MCDA applications (e.g. for the EU and Kenya) and socio-technical analysis (e.g., Greece power, UK-Germany industry, Norway-Canada transport) respectively. On the other hand, Tasks 4.4. and 4.5 are at an earlier stage since there is still a lot of preparatory/methodological work underway. Next on the agenda was the presentation of WP5, which began with an overview of the WP as well as its timeline, followed by a short description of deliverables and progress. A similar brief was also presented regarding WP5 tasks, which also demonstrated the next steps that must be followed. Afterwards, the pandemic was mentioned as a cause of delays for multiple European workshops, which were necessary for providing useful input to modelling teams. The next modelling WP discussed was WP6. The presentation of this WP commenced with a quick overview of the models 	<p>Prepare a plan for EU workshops</p> <p>Submission of the Brazil-Argentina case study paper</p> <p>Progress on benchmarking and IDA</p>	<p>Bruegel</p> <p>NTUA</p> <p>FhISI</p>



used and continued with a brief description of the work done during the first 12 months of the project (model documentation and model set-up). Afterwards, Dr. Gambhir displayed the modelling work plan for the rest of the project as well as the stakeholder engagement and co-creation process linked with WP3. During the presentation, a discussion regarding the linkages between WPs 6 & 7 also took place.

- A similar presentation took place for the last modelling WP, which included a brief overview of WP7, a display of its tasks and sub-tasks as well as the WP's deliverables and their progress. Their progress is according to the project's timeline apart from D7.5, which was extended by 6 months. The presentation continued by demonstrating the harmonisation work as well as the global modelling runs and the co-design of Paris-compliant scenarios, which included stakeholder engagement that was delayed due to the pandemic.
- Afterwards, Mr. Lengyel took the floor and presented the key objectives as well as the work breakdown of WP8. This WP was the least affected by the pandemic which is also reflected by the fact that there is no deviation from the DoA regarding the deliverables prepared so far. Moreover, this WP is the one with the most insights regarding the pandemic.
- This meeting ended with Dr. Nikas's presentation of the progress of all PARIS REINFORCE deliverables, regarding the project's management. He also briefed the consortium on the SAB feedback. Afterwards, there was an overview of the project's three Objectives, as stated in the Grant Agreement and their progress so far. The discussion shifted to the COVID-19 impact on the project. This impact was showcased via figures that displayed the effort done by WP and partners as well as the direct personnel and other costs of the project so far, demonstrating the fact that the pandemic has indeed led to an important underspend of funds.



2.4 Agenda and minutes of the Technical Review Meeting, February 4 & 5, 2021

Thursday & Friday, February 4 & 5, 2021

Technical Review Meeting

Thursday: 13:00-17:00 CET

Friday: 09:00-13:00 CET

Microsoft Teams

Participants: Beneficiaries, 2 Reviewers, DG RTD, and Project Advisor

Agenda

Day 1

13:00 – 13:15 **Welcome and introduction to the review meeting & tour de table**

P: - D: - | Frederik Accoe (EASME)

13:15 – 13:30 **Project Overview & Objectives**

P: 15' D: - | Haris Doukas (NTUA)

13:30 – 14:15 **WP2: I²AM PARIS**

P: 15' D: 30' | Alevgul Sorman (BC3)

14:15 – 15:00 **WP3: Online stakeholder dialogue**

P: 15' D: 30' | Georg Zachmann (Bruegel)

15:00 – 15:30 **Tea & Coffee break**

15:30 – 16:15 **WP4: Robustification & Socio-Technical Analysis Toolbox**

P: 15' D: 30' | Alexandros Nikas (NTUA)

16:15 – 17:00 **WP5: Transforming Europe**

P: 15' D: 30' | Baptiste Boitier (SEURECO)

Day 2

09:00 – 09:45 **WP6: Promoting sustainable transitions across the globe**

P: 15' D: 30' | Ajay Gambhir (Imperial Grantham)

09:45 – 10:30 **WP7: Model Inter-Comparisons, Global Stocktake & Scientific Assessments**

P: 15' D: 30' | Annela Anger-Kraavi (Cambridge)

10:30 – 11:00 **WP8: Communication, Dissemination & Exploitation**

P: 10' D: 20' | Zsolt Lengyel (IEECP)

11:00 – 11:30 **Tea & Coffee break**

11:30 – 12:00 **WPs 1 & 9: Project Management and Ethics**

P: 10' D: 20' | Alexandros Nikas (NTUA)

12:00 – 13:00 **General discussion and first feedback from reviewers**

P: - D: 60'



Description

This was a technical review meeting, in which the EC's reviewers in cooperation with the Project Advisor examined the progress of the project and discussed with the consortium partners if there are any important deviations from the DoA. During this meeting, there was also a discussion regarding the extension of the project's lifetime by 6 months due to the pandemic. Nevertheless, it must be noted that due to the nature of this meeting (closed meeting) there is no attendance list available as well as no minutes recorded. On meeting attendance, at least one person from each consortium partner was present at the meeting as well as Prof. Doukas and Dr. Nikas, who are responsible from NTUA's side for the project's management. The Project Advisor and two reviewers also participated in this meeting. The main points discussed are presented on the meeting's agenda and the basic structure of the entire meeting.



2.5 Agenda and minutes of the Management Board Meeting, February 23, 2021

Tuesday, February 23, 2021
Management Board Meeting
11:00-12:00 CET

Participants: Beneficiaries

Agenda

1. Update on the project progress (completed, ongoing, and upcoming tasks and Deliverables)
 - WP2
 - I²AM PARIS updates
 - WP3
 - D3.4R Stakeholder Council Mapping (Bruegel)
 - WP4
 - D4.1R Socio-technical innovation system mapping (NTUA)
 - WP5
 - D5.2R Interlinkages of national/regional level models for Europe with the I²AM PARIS platform (BC3)
 - WP6
 - D6.2R Interlinkages of national/regional models for countries outside Europe with I²AM PARIS (Imperial)
 - WP7
 - D7.2R Interlinkages of global IAMs with the I²AM PARIS platform (BC3)
 - D7.3R Report on stakeholder needs and research capacity needed (CICERO)
 - D7.4: 1st Report on Model Inter-Comparisons: Informing scientific assessments and the GST (Imperial)
 - WP8
 - WP9
2. 2021 (M21-M23) deliverables and review planning – NTUA
3. 1st global modelling runs progress – CICERO, Imperial, BC3, Cambridge
4. People involved (researchers and otherwise): Request for update – NTUA
5. Workshops planning – Bruegel
6. Any other business

Present on Call

1	Haris Doukas	NTUA
2	Alexandros Nikas	NTUA
3	Lorenza Campagnolo	CMCC
4	Jakob Wachsmuth	FhISI
5	Shivika Mittal	Imperial
6	Ben McWilliams	Bruegel
7	Alevgul Sorman	BC3



8	Baptiste Boitier	SEURECO
9	Hannah Parris	Cambridge
10	Sigit Perdana Pria	EPFL
11	Jorge Moreno	BC3
12	Gabriele Cassetti	E4SMA
13	Dirk-Jan van de Ven	BC3
14	Mikel Gonzalez	BC3
15	Ester Galende	BC3
16	Alessia Elia	E4SMA
17	Pierre LeMouel	SEURECO
18	Alessandro Chiodi	E4SMA
19	Marc Vielle	EPFL
20	George Stravodimos	IEECP
21	Anastasios Karamaneas	NTUA
22	Filippos Serepas	NTUA
23	Ajay Gambhir	Imperial
24	Paul Zagame	SEURECO
25	Chris Petkidis	NTUA
26	Annela Anger-Kraavi	Cambridge
27	Glen Peters	CICERO

Minutes: Main issues discussed

Item	Description	Action	
		What	Who
1	<ul style="list-style-type: none"> • Dr. Haris Doukas (NTUA) informed partners on the updates regarding the review of our project's extension proposal to the EU Commission. Asking for an extension on every task, deliverable and WP should be avoided. He urged partners to carefully select the items of the requested extension. • Dr. Alexandros Nikas (NTUA) continued with the presentation of the extension request framing along with a detailed and updated schedule per work package, task and deliverable. • WP1: All four tasks to be extended up to M42 since they reflect the project's management. • WP2: Task 2.4 will be extended up to M42 along with corresponding Deliverables and D2.6 since the I²AM PARIS platform should incorporate the most recent modelling iterations. • WP3: Task 3.1 to be extended to M42 to carry out the necessary stakeholder interactions; Task 3.3 up to M42 to match project progress and capture the delayed stakeholder interactions along with all WP3 corresponding deliverables. • WP4: Task 4.3 to be extended to M40, aiming to align with the extension of the second round of national stakeholder workshops. Tasks 4.4 and 4.5 are proposed to be extended to M38 and M41 respectively to align with the modelling exercise activities reflecting their six-month extension. Task 4.6 will be extended to M42 as well. • WP5: Tasks 5.3 and 5.4 could be extended to M42 to consider inputs from the stakeholder workshops and align with the overall activities of the stakeholder engagement and modelling iterations. Dr. Doukas noted that special attention should be given in case new scenarios are to be introduced in the analysis 	Partners to review/identify all items to be extended	All partners
		Extension proposal to EU	NTUA



	<p>based on the workshops' feedback since the corresponding deliverable should be updated to reflect this addition. The deliverables will be updated according to the developments and the timeframe proposed. Unnecessary extensions to be avoided.</p> <ul style="list-style-type: none"> • WP6: Task 6.2 to possibly be extended to M36 to consider inputs from the extended modelling activities, and Task 6.4 will be extended to M42 reflecting the extension of Task 6.3. Task 6.5 to be extended to M36 to reflect the delayed inputs from the first iteration of the global modelling activities and Task 6.6 in turn could be extended to the project's extended deadline, M42. • WP7: Task 7.2 will be extended by 6 months and up to M24 of the project due to the COVID-19 pandemic and Tasks 7.3 and 7.4 will be extended to M36 and M42 respectively reflecting the extension of the global modelling activities and the developments on the delayed stakeholder engagement. • WP8: Since all CDE activities in this WP must follow the actual lifecycle of the project, Tasks 8.1-8.6 must be extended to M42 by default along with the corresponding deliverables/reports. • Milestones to be modified accordingly to reflect the agreed extensions on WPs and specially MS6 to reflect the added stakeholder workshops. • Next on the agenda, the MB focused on updates per WP. • WP2: Dr. Sorman (BC3) informed the partners on the progress regarding the platform and the advanced module integrated. Several meetings were held and the summary tab, legends, scenario filtering, workspaces, and various variables were defined. • WP3: Dr. Nikas informed the partners on the recent developments in the national workshops and the dates were discussed. • WP4: The commission requested to incorporate COVID-19 recovery policy-related work on the project's modelling exercises to be presented on COP26. The details of that schedule were also discussed. • WP5: All of the EU modelling works are well on track. • WP6: All of the non-EU modelling works are also well on track. An update from the workshops to be organised. • WP8: The project will be present in the EURO 2021 a hybrid conference on Operational Research to be held in Summer 2021. 	<p>Participate in the meetings is recommended</p> <p>Incorporate Covid-19 recovery policy work</p> <p>Abstract(s) submission</p>	<p>All partners</p> <p>NTUA, all partners</p> <p>Interested partners</p>
2	<ul style="list-style-type: none"> • This agenda item was covered during the general discussion of the MB 		NTUA
3	<ul style="list-style-type: none"> • This agenda item was covered during the general discussion of the MB 		CICERO, Imperial, BC3
4	<ul style="list-style-type: none"> • NTUA requested that partners update the information on researchers involved in the project 	To update on researchers involved in the project	All partners
5	<ul style="list-style-type: none"> • Workshop planning was discussed as part of the extension request item 		NTUA, Bruegel
6	<ul style="list-style-type: none"> • No other business was discussed 		





2.6 Agenda and minutes of the Management Board Meeting, March 24, 2021

Tuesday, March 24, 2021
Management Board Meeting
13:00-15:00 CET

Participants: Modelling partners

Agenda

1. Discussion on COVID-19 implications in project Deliverables and Work Packages

Present on Call

1	Haris Doukas	NTUA
2	Alexandros Nikas	NTUA
3	Shivika Mittal	Imperial
4	Baptiste Boitier	SEURECO
5	Sigit Perdana	EPFL
6	Gabriele Casseti	E4SMA
7	Dirk-Jan van de Ven	BC3
8	Marc Vielle	EPFL
9	Ajay Gambhir	Imperial
10	Themistoklis Koutselis	NTUA
11	Konstantinos Koasidis	NTUA
12	Aikaterina Forouli	NTUA
13	Sara Giarola	Imperial
14	Alessandro Chiodi	E4SMA
15	Alexandre Koberle	Imperial

Minutes: Main issues discussed

Item	Description	Action	
		What	Who
1	<ul style="list-style-type: none"> • This meeting started with a short presentation on how COVID-19 can impact modelling runs and portfolio analysis (WPs 4-7) mainly regarding the EU RRF scheme. The goal would be to provide cost curves in order to perform portfolio analyses, using at least two indicators: a) subsidies for jobs and b) subsidies for emission reduction. Specifically, the cost curves would be generated from the project's models and then used for the portfolio analysis case studies. • This process can be executed in 3 phases: (a) modelling teams should decide the maximum subsidy level, taking into account data such as budget, LCOE of each technology, etc; (b) a subsidy should be chosen for each technology and then used compared to the max. subsidy to create various scenarios; (c) models can then generate results on costs/indicators. • After the presentation, discussion shifted toward harmonisation specifications for scenario implications. It was mentioned that the first trial runs were based on the WWH scenario although it 	<p>Perform portfolio analysis for RRF packages</p> <p>Include RRF and subsidy parameters in models to generate useful insights for portfolio analysis.</p>	<p>NTUA</p> <p>All modelling partners</p>



<p>may not be totally realistic since it does not take into account any socioeconomic implications of the pandemic.</p> <ul style="list-style-type: none"> • Another issue discussed was the multitude of sectors that can be subsidised and that the available job database (in collaboration with H2020 NAVIGATE) does not support sectors apart from electricity generation and mining. Moreover, there are electricity generation technologies that cannot be subsidised and technologies that are not included in some models. Therefore, it was deemed important to examine technologies included in all models to make inter-comparisons among models. Furthermore, the RRF packages mainly support non-commercially mature technologies characterised by a lack of data, hence making modelling exercises more difficult. This issue can be partly resolved by extracting a list of technologies with the help of other modelling teams as well. • The meeting concluded with a brief discussion around the issue of double-counting and the issue of existing policies since they may affect modelling results. Nevertheless, there was a suggestion that existent policies should not be removed to generate more realistic results. 	<p>Communicate with modelling teams to extract technology lists and enrich the current databases</p>	<p>BC3</p>
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2.7 Agenda and minutes of the Management Board Meeting, April 27, 2021

Tuesday, April 27, 2021
Management Board Meeting
14:00-15:00 CET

Microsoft Teams

Participants: Beneficiaries

Agenda

1. Update on the project progress (completed, ongoing, and upcoming tasks and Deliverables)
 - WP1 – Project Management
 - Project extension request (NTUA)
 - Additional information requested from the EC (NTUA)
 - WP2 - I²AM PARIS
 - Platform progress (BC3/NTUA)
 - WP3 – Stakeholder Engagement
 - May Workshops (Bruegel)
 - WP4- Robustness
 - COVID recovery policy-related work, from the Commission’s requests, in Task 4.5 – COP26 EC policy brief (NTUA)
 - WP5 – EU Modelling
 - D5.3 Updates (SEURECO)
 - WP6 – Non-EU Modelling
 - US Workshop (Imperial)
 - D6.5 Updates (EPFL/SEURECO)
 - WP7 – Global Modelling
 - Mitigation runs – Modelling protocol (Imperial)
 - WWH study revision (CICERO)
 - WP8 – Communication, Dissemination, Exploitation
 - CDE updates (IEECP)
2. PR-led recovery policy database, as in EC COVID WGII (NTUA)
3. Any other business

Present on Call

1	Haris Doukas	NTUA
2	Alexandros Nikas	NTUA
3	Jakob Wachsmuth	FhISI
4	Shivika Mittal	Imperial
5	Ben McWilliams	Bruegel
6	Alevgul Sorman	BC3
7	Baptiste Boitier	SEURECO
8	Jorge Moreno	BC3
9	Dirk-Jan van de Ven	BC3
10	Ester Galende	BC3
11	Alessandro Chiodi	E4SMA



12	Marc Vielle	EPFL
13	George Stravodimos	IEECP
14	Filippos Serepas	NTUA
15	Ajay Gambhir	Imperial
16	Chris Petkidis	NTUA
17	Annela Anger-Kraavi	Cambridge
18	Glen Peters	CICERO
19	Zsolt Lengyel	IEECP
20	Maurizio Gargiulo	E4SMA
21	Lucia Perugini	CMCC
22	Daniel Meyer	Bruegel
23	Sara Giarola	Imperial
24	Alexandre Koberle	Imperial

Minutes: Main issues discussed

Item	Description	Action	
		What	Who
1	<ul style="list-style-type: none"> The discussion commenced with the managerial issue of the project extension for 6 months due to the pandemic and its impact on the project's development and especially on the progress of EU workshops. The discussion also delved into the additional information required by the EC for this extension. Updates of the I²AM PARIS platform were presented and emphasis was given to the RRF database (underway). Proceeding to WP3, the main issue discussed was the broad agenda format for the upcoming European national workshops, which is still in development. Prof. Doukas requested from the WP3 leaders to speed up the process since all the workshops are scheduled for May and there is still uncertainty regarding dates, sessions etc. Regarding WP4, Dr. Nikas mentioned that Task 4.1 activities were extended, since they are linked to the (delayed) 1st round of the stakeholder interactions. This issue had led the whole WP to be slightly off the actual schedule. Moreover, there is some work in progress regarding COVID-19 recovery in the context of Task 4.5. This report will be converted to an EC policy brief for COP26, to be submitted by June. The only development discussed regarding WP5 was the submission of D5.3, to be submitted this May. Therefore, the first draft should be ready within a week. The first issue discussed about WP6 is scenario design and modelling runs on regions where workshops have already taken place, such as the CAC region. Regarding other regions, Dr. Gambhir provided a thorough update to the partners. There is no workshop yet organised for Brazil. On the other hand, regarding China and the US, workshops are already scheduled (the consortium is not alone in charge of the organisation of the latter) and modelling is also in progress for both. Highest risk is deemed for Japan due to limited time of Japanese partners. The work in WP7 is three-fold. First, the paper led by Dr. Sognnaes is delayed by a couple of weeks since she had to be off for a couple of weeks. Second, the diagnostics analysis is in progress providing some initial indicators, and many errors were resolved; nevertheless, it progresses slower than envisaged for 2050 models. Finally, the stakeholder survey is in progress. 	<p>Send to the management team all the necessary info</p> <p>Send RRF information to incorporate into the database. Prepare the last details for the upcoming workshops</p> <p>Proceed with the COVID-19 work</p> <p>Finalise the first draft of D5.3</p> <p>Finalise organisation of non-European national workshops</p> <p>Finalise revisions</p> <p>Proceed with the stakeholder survey</p>	<p>All partners</p> <p>All EU partners Bruegel, host partners</p> <p>NTUA</p> <p>SEURECO</p> <p>Imperial, Bruegel</p> <p>CICERO</p> <p>Cambridge</p>



	<ul style="list-style-type: none"> Regarding the project's CDE activities two issues were discussed. On the one hand, the Netherlands workshop organisation is in progress although the consortium does not have a modelling team focusing on the country. On the other hand, the EC have requested for an additional CDE planning deliverable that should be submitted in May 2022 and include the project's CDE activities for the 6-month extension period, including its relevant activities during COP27. 	<p>Final preparations for NL workshop</p> <p>Prepare an extra deliverable for CDE in May 2022</p>	<p>IEECP, Bruegel, NTUA</p> <p>IEECP</p>
2	<ul style="list-style-type: none"> The EC requested an RRF database to populate COVID-19 recovery policies. In this context, partners are requested to provide national data. Endeavour hopefully to be enriched by sister project consortia covering more EU countries. To better coordinate this effort, NTUA will provide a template for data entry, which must be completed by all EU partners in 1-2 months in order to be relevant with modelling runs. Nevertheless, Dr. Nikas mentioned that some delays are expected since some countries are delaying formulating their COVID-19 recovery policies or updating them. 	<p>Send platform template for RRF data</p> <p>Send RRF data in the provided template</p>	<p>NTUA</p> <p>All EU partners</p>
3	<ul style="list-style-type: none"> No other business was discussed 		



2.8 Agenda and minutes of the Management Board Meeting, June 15, 2021

Tuesday, June 15, 2021
Management Board Meeting
14:00-15:00 CET

Participants: Beneficiaries

Agenda

1. Update on the project progress (completed, ongoing, and upcoming tasks and Deliverables)
 - WP1
 - D1.4: Report on Project and Advisory Board Meetings - Update 2 (NTUA)
 - WP2
 - I²AM PARIS updates
 - WP3
 - WP4
 - D4.4: Stakeholder-driven comparisons of national/sectoral strategies (NTUA)
 - WP5
 - D5.4: Study on EU climate policy, SDGs and the EU policy framework (CMCC)
 - WP6
 - D6.4: Ancillary impacts, including SDGs, of national low-carbon pathways outputs (CMCC)
 - D6.5 Game-changing innovation across the globe (EPFL)
 - WP7
 - D7.6: Report on reference and policy scenario modelling results (BC3)
 - WP8
 - D8.4: Project communication, dissemination and exploitation plan - Update 2 (IEECP)
 - WP9
 -
2. 2021 (M25-M30) deliverables and review planning – NTUA
3. People involved (researchers and otherwise): Request for update – NTUA
4. Workshops planning – Bruegel
5. Any other business

Present on Call

1	Alexandros Nikas	NTUA
2	Haris Doukas	NTUA
3	Chris Petkidis	NTUA
4	Filippos Serepas	NTUA
5	Annela Anger Kraavi	Cambridge



6	Rocco De Miglio	E4SMA
7	Alevgul Sorman	BC3
8	Baptiste Boitier	SEURECO
9	Sigit Perdana	EPFL
10	Maurizio Gargiulo	E4SMA
11	Marc Vielle	EPFL
12	George Xexakis	HOLISTIC
13	Zsolt Lengyel	IEECP
14	Riemer, Matia	FhISI
15	Moreno Membrillera, Jorge	BC3
16	George Stravodimos	IEECP
17	Alessandro Chiodi	E4SMA
18	Gambhir, Ajay	Imperial
19	Mittal, Shivika	Imperial
20	Alessia Elia	E4SMA
21	Ben McWilliam	Bruegel
22	Ida Sognnæs	CICERO
23	Daniel Mayer	Bruegel
24	Dirk-Jan van de Ven	BC3
25	Wachsmuth, Jakob	FhISI

Minutes: Main issues discussed

Item	Description	Action	
		What	Who
1	<ul style="list-style-type: none"> • Dr. Nikas, after briefly presenting the meeting's agenda, informed partners on work done regarding WP1. Focus was given on D1.4 regarding record-keeping of project meetings. • Another issue discussed was the update of the I²AM PARIS platform due to the development of the global modelling runs as well as the model harmonisation procedure. • The results of the global modelling runs are also used in WP4, and specifically in D4.4. in order to compare national and regional mitigation strategies in a sociotechnical context. • An important aspect of the global modelling results is their implications on the UN's SDGs and how these goals can be interpreted in the project's various models. • A similar approach is also examined in WP6, and specifically in D6.4. Another issue discussed regarding WP6, was the progress of D6.5 which aims to summarise the progress of innovative carbon mitigation technologies around the globe. • On WP7 progress of D7.6 was discussed, aiming to summarise the scenarios and policies examined in the various models. • Finally, partners also discussed the CDE endeavours of and focused on the plan for improving project impact. 	<p>Update D1.4 by documenting meetings of covered period</p> <p>Updating the platform's data</p> <p>Collect data from modelling runs and IDA</p> <p>Evaluate the results of the modelling results regarding the EU</p> <p>Evaluate results on SDGs</p> <p>Study low-carbon innovations</p> <p>Collecting modelling data and parameters</p> <p>Composing a thorough dissemination plan</p>	<p>NTUA</p> <p>BC3, NTUA</p> <p>FhISI</p> <p>CMCC, SEURECO</p> <p>CMCC</p> <p>EPFL</p> <p>BC3</p> <p>IEECP</p>
2	<ul style="list-style-type: none"> • Apart from the progress of current WPs, partners also discussed the project planning for the second semester of 2021. During this part of the discussion NTUA proposed a roadmap for the deliverables. Special focus was given on modelling and MCDA deliverables as well as the organisation of new workshops. 	<p>Planning content and delivery time of deliverables according to GA</p>	<p>NTUA</p>
3	<ul style="list-style-type: none"> • Apart from the scheduling of deliverables, the researchers and staff involved in the project were also discussed, mainly focusing on potential additions of staff to the project's workforce. 	<p>Collecting information on the staff participating in future deliverables etc</p>	<p>NTUA, All partners</p>



4	<ul style="list-style-type: none"> The last issue discussed in this meeting was the project’s future workshops. Discussions began from the upcoming Ukrainian workshop and continued by examining ideas for workshops later on in the project’s run. Discussion was enhanced by experience gained from previous workshops taking place in May-early June. 	Plan for future workshops	Bruegel
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2.9 Agenda and minutes of ad-hoc Platform Meeting, July 7, 2021

Wednesday, July 7, 2021

Ad-hoc Platform Meeting

11:00-12:00 CET

Participants: Beneficiaries heavily involved in I²AM PARIS and the RRF workspace

Agenda

1. Discussion on the I²AM PARIS platform and the RRF workspace

Present on Call

1	Alexandros Nikas	NTUA
2	Alevgul Sorman	BC3
3	Stavros Skalidakis	NTUA
4	Ester Galende	BC3
5	Jorge Moreno	BC3
6	George Stravodimos	IEECP
7	Vaggelis Marinakis	Holistic
8	Ajay Gambhir	Imperial
9	Baptiste Boitier	SEURECO
10	Ben McWilliams	Bruegel

Minutes: Main issues discussed

Item	Description	Action	
		What	Who
1	<ul style="list-style-type: none"> The meeting kicked off with a discussion of the two I²AM PARIS interfaces: (a) the scientific interface, and (b) the public interface. The scope was to understand how to break work down into multiple workspaces, as opposed to concentrating information into mega-workspaces, and how the concept of the two interfaces is aligned with the two options. An important consideration was the capacity to maintain comparability of results of the same workspace; e.g., if a specific workspace accommodated data of different input assumptions, etc. It was decided that the project follows a workspace-per-study approach, assuming that studies are multi-model/inter-comparison exercises. The discussion also delved into the way that modelling results can be better displayed on the platform, from a non-expert's perspective. Eventually, the RRF policy database was discussed, drawing from insights from Bruegel's relevant work (on their website); it was decided that for now the database can be named 'RRF policy' but, should policies from other regions follow, this should then be amended to reflect recovery policies from Europe, or the globe. 	<p>Updating platform to include more workspaces (one per multi-model study, rather than mega workspaces)</p>	HOLISTIC, NTUA
		Integrate information on RRF policies	NTUA



2.10 Agenda and minutes of the Management Board Meeting, September 21, 2021

Tuesday, September 21, 2021
Management Board Meeting
14:00-15:00 CEST

Microsoft Teams

Participants: Beneficiaries

Agenda

1. Update on the project progress (completed, ongoing, and upcoming tasks and Deliverables)
 - WP1
 - **Amendment (NTUA)**
 - **Requests for financial data confirmation (NTUA)**
 - WP2
 - I²AM PARIS updates (BC3 & NTUA)
 - WP3
 - Next stakeholder workshops (Bruegel)
 - WP4
 - Any updates (NTUA)
 - WP5
 - D5.4: Study on EU climate policy, SDGs and the EU policy framework (CMCC) – Nov 2021
 - WP6
 - **D6.4: Ancillary impacts, including SDGs, of national low-carbon pathways outputs (CMCC) – Sep 2021 (draft?)**
 - D6.5 Game-changing innovation across the globe (EPFL) – Nov 2021
 - **Survey on D6.5 (SEURECO, EPFL, Imperial)**
 - WP7
 - **Updates on 2nd modelling runs (Cambridge & Imperial)**
 - WP8
 - D8.4: Project communication, dissemination, and exploitation plan - Update 2 (IEECP) – Nov 2021
 - WP9
 -
2. 2021 (M28-M31) deliverables and review planning – NTUA
3. IAMC approved submissions acknowledging PR – All partners
4. Updates on COP26 – NTUA
5. Any other business

Present on Call

1	Alessandro Chiodi	E4SMA
2	Alevgul Sorman	BC3



3	Alexandros Nikas	NTUA
4	Anastasios Karamaneas	NTUA
5	Annela Anger Kraavi	Cambridge
6	Baptiste Boitier	SEURECO
7	Ben McWilliams	Bruegel
8	Chris Petkidis	NTUA
9	Dirk-Jan van de Ven	BC3
10	Ester Galende Sánchez	BC3
11	Filippos Serepas	NTUA
12	Gambhir, Ajay	Imperial
13	George Stravodimos	IEECP
14	Haris Doukas	NTUA
15	Lorenza Campagnolo	CMCC
16	Maurizio Gargiulo	E4SMA
17	Mittal, Shivika	Imperial
18	Moreno Membrillera, Jorge	BC3
19	Sigit Perdana	EPFL
20	Vielle Marc	EPFL
21	Wachsmuth, Jakob	FhISI
22	Zsolt Lengyel	IEECP

Minutes: Main issues discussed

Item	Description	Action	
		What	Who
1	<ul style="list-style-type: none"> • Dr. Doukas (NTUA) started the meeting with comments on the project's amendment. It has been accepted and the 6-month extension has been granted. • Dr. Doukas informed the consortium that the extension refers to time and not budget but still some funding can be converted from travel expenses to personnel expenses to support the extended works. • Dr. Nikas (NTUA) informed the partners on what follow-up is required for the project extension and the Grand Agreement amendment. An extra deliverable has been added (D1.5), including financial data for each partner, to be processed by the NTUA administration. • Dr. Sorman (BC3) presented the progress on WP2. The consortium is at the point of deciding on the design of the workspaces. The public interface of the first workspace is completed on the I²AM PARIS platform. The platform will be updated, mainly its homepage, to reflect that it is being supported by other H2020 projects as well. • Regarding WP3, ways to maximise both engagement and impact were discussed. • WP4: selected final national workshops must be dedicated to the co-creation of transformative policy mixes. Brazil and Canada workshops will be discussed thoroughly and aligned so that all involved stakeholders can participate. The COVID-19 Task is due to be finalised and one more exercise will be integrated into a second deliverable. • Regarding WP5, D5.3 should be updated to reflect the latest scenario developments. For D5.4 it should be decided whether 	<p>Planning on budget allocation is recommended</p> <p>Send financial data</p> <p>Prepare the Report on cumulative expenditure</p> <p>Update platform to reflect synergies with other projects</p> <p>EU workspace by September, global workspace by October</p> <p>Revisit workshop timeline</p> <p>Discuss workshop planning for Task 4.6 separately</p> <p>Decision on the course of action for D5.4</p>	<p>All Partners</p> <p>All Partners</p> <p>NTUA</p> <p>NTUA</p> <p>BC3, NTUA, E4SMA, SEURECO</p> <p>Bruegel</p> <p>Host partners, NTUA, Fh ISI</p> <p>NTUA, CMCC, SEURECO</p>



	<p>to use the first batch of available scenarios or to wait for the mitigation scenarios.</p> <ul style="list-style-type: none"> • A parallel process of WP6 modelling exercises will be implemented in relevance to D6.4 to apply SDGs and ancillary impact analysis primarily to the mitigation scenarios. • It was stressed that an option to further update deliverables that are not extended (i.e., not part of the extension period) is available but only with detailed justification. • Deliverable D5.4 will be submitted in time and may be further updated by May 2022; similar for D6.4. • D6.5: Expert survey is well on track; to be checked by Ethics Mentor and sent to stakeholders. • WP7: first mitigation round is well on track with some models though not working properly: email to be sent to all modelling teams on the diagnostics and the backcast scenarios explaining differences between models and then looking at the jobs implementations. • WP8: D8.4, the second update of the CDE plan will be prepared and issued by November 2021. 	<p>Integration of WP6 models with ICES SDGi indicators</p> <p>D5.4 and 6.4 to be updated by May 2022 Project Ethics Mentor to review and green-light Exchanges with global modelling partners</p> <p>The second update of the CDE plan extended</p>	<p>CMCC, Imperial</p> <p>CMCC</p> <p>NTUA</p> <p>Imperial, NTUA, all partners</p> <p>IEECP, NTUA</p>
2	<ul style="list-style-type: none"> • The schedule of deliverables was discussed in reference to the previous item. Partners declared availability to review deliverables that have been moved due to the extension. 	<p>Finalise review process of deliverables according to GA</p>	<p>NTUA</p>
3	<ul style="list-style-type: none"> • 6 papers and 2 presentations in IAMC 2021, acknowledging PARIS REINFORCE. 		
4	<ul style="list-style-type: none"> • The COP26 presentation will be 1-hour long in total with 5 minutes per project and then 20 minutes of discussion and Q&A in a virtual event configuration. • Limited physical presence is possible but there is a great uncertainty related to the COVID-19 pandemic 		
5	<ul style="list-style-type: none"> • Planning for the next project meeting was discussed • Modelling teams coordination meeting is to be set 	<p>Email for agenda drafting</p> <p>Email for setting up meeting</p>	<p>NTUA</p> <p>NTUA</p>



2.11 Agenda and minutes of the Management Board Meeting, October 19, 2021

Wednesday, October 19, 2021

Management Board Meeting

15:00-16:00 CET

Participants: All global modelling partners

Agenda

1. Discussion on the long-term emissions and warming implications of current mitigation efforts paper
2. Discussion on the stakeholder survey in the context of the Global Stocktake

Present on Call

1	Alexandros Nikas	NTUA
2	Ajay Gambhir	Imperial
3	Baptiste Boitier	SEURECO
4	Hannah Paris	Cambridge
5	Shivika Mittal	Imperial
6	Marc Vielle	EPFL
7	Sigit Perdana	EPFL
8	Andrey Kolpakov	IEF RAS
9	Konstantinos Koasidis	NTUA
10	Annela Anger-Kraavi	Cambridge
11	Lorenza Campagnolo	CMCC
12	Elisa Delpiazzi	CMCC
13	Glen Peters	CICERO
14	Alexandre Koberle	Imperial
15	Sara Giarola	Imperial
16	Dirk-Jan van de Ven	BC3

Minutes: Main issues discussed

Item	Description	Action	
		What	Who
1	<ul style="list-style-type: none"> Discussion on WP7 started with the preparation of the paper led by Imperial. The team preparing the study is now conducting the diagnostics/sensitivity analysis; the majority of scenario results are already received, hence the analysis has already started. Nevertheless, more results are required to start the job analysis. 	Finalise diagnostics runs Providing modelling results for the job analysis	Imperial All modelling partners
2	<ul style="list-style-type: none"> The second issue discussed in this meeting was the survey, undertaken in the context of the Global Stocktake, which focuses on how can stakeholder input can be taken into consideration in modelling scenarios. The discussion commenced with a presentation of the process followed to translate the Paris Agreement text into scenarios. The first issue set in the survey is how the progress of emissions, as committed in the Paris Agreement, is perceived by stakeholders. In this question, the stakeholders deemed that developing countries 	Further processing of the survey's results	Cambridge



will demonstrate a different change pattern than developed countries. Moreover, stakeholders were asked about how important they deem sink technologies to be concerning emission mitigation. Another question was related to the year of peak emissions for many major emitters and the results generated for the EU, the UK and the USA were further discussed since they are quite inconsistent with the actual trajectory of those regions' emissions. As commented by Dr. Anger-Kraavi, this inconsistency demonstrates that stakeholders cannot always analyse all of the commitments to the Paris Agreement without an analytical framework. Nevertheless, these answers are important if compared with the more optimistic approach of most modellers.

- Afterwards, the participants proceeded to a more generic conversation about the stakeholders' perceptions, which reflect the perceptions of the general population. Answers diverging from reality can be interpreted in two ways. On the one hand, they may not have understood the questions posed. On the other hand, they may believe that there is more time to sufficiently mitigate GHG emissions.



2.12 Agenda and minutes of the 4th Project Meeting, November 23 & 25, 2021

Tuesday & Thursday, November 23 & 25, 2021

4th Project Meeting

Microsoft Teams

Participants: All partners

Agenda

Day 1

- 09:00 – 09:15 **Welcome notes**
- 09:15 – 09:30 **WP1: Project Management**
Haris Doukas, Alexandros Nikas (National Technical University of Athens)
- Reflection and insights from first 30 months. Risks/challenges, questions on extension.
- 09:30 – 10:30 **WP2: The I2AM PARIS Platform**
Alevgul Sorman (Basque Centre for Climate Change) Stavros Skalidakis (National Technical University of Athens)
- Lessons from first two workspaces (plus COVID recovery database), DOs & DON'Ts, next steps
- 10:30 – 10:45 **Tea & Coffee break**
- 10:45 – 11:30 **WP3: Stakeholder engagement**
Georg Zachmann, Daniel Mayer, Ben McWilliams (Bruegel)
- Discussion on and timeline for next national/regional workshops (2nd round)
- 11:30 – 12:15 **WP4: Socio-technical angle & robustness of modelling results**
Alexandros Nikas (National Technical University Athens) Jakob Wachsmuth (Fraunhofer ISI)
- COVID-19 portfolio analysis, Progress/next steps for index decomposition analysis, Upcoming sociotechnical analysis (transformative policy mixes)
- 12:15 – 12:45 **WP8: Communication, Dissemination, & Exploitation**
Zsolt Lengyel (Institute for European Energy and Climate Policy)
- KPIs: progress and next steps, lessons learnt, DOs and DON'Ts, making the best of extension



12:45 – 13:00 **Discussion**
Q&As, Wrap-up of 1st day, Any other business

Day 2

09:00 – 09:15 **Welcome notes, 1st day summary**

09:15 – 10:00 **WP5: Modelling in Europe** *Baptiste Boitier (SEURECO) Lorenza Campagnolo (CMCC)*

PAC scenarios, progress, and work for final project year

10:00 – 10:45 **WP6: Modelling outside Europe**

Ajay Gambhir (Imperial College London, Grantham Institute)

Regional mitigation runs, progress, and work for final project year

10:45 – 11:00 **Tea & Coffee break**

11:00 – 12:45 **WP7: Global modelling, inter-comparisons**

Annala Anger-Kraavi, Hannah Parris (Cambridge)

Alexandre C. Koberle, Shivika Mittal (Imperial College London, Grantham Institute)

Progress on global mitigation runs of 1st modelling iteration Discussion on 2nd modelling iteration

12:45 – 13:00 **Discussion**
Q&As, Wrap-up of 2nd day, Any other business

Present on Call

1	Haris Doukas	NTUA
2	Ramon Key	CMCC
3	Marc Vielle	EPFL
4	Zsolt Lengyel	IEECP
5	Wachsmuth, Jakob	FhISI
6	Riemer, Matia	FhISI
7	Baptiste Boitier	SEURECO
8	Fougeyrollas Arnaud	SEURECO
9	Elin May	Cambridge
10	Alexandros Nikas	NTUA
11	Lorenza Campagnolo	CMCC
12	Alevgul Sorman	BC3
13	Herbst, Andrea	FhISI
14	George Stravodimos	IEECP
15	Pierre Le-mouel	SEURECO
16	Anastasios Karamaneas	NTUA
17	Moreno Membrillera, Jorge	BC3
18	Sigit Perdana	EPFL
19	Konstantinos Koasidis	NTUA
20	Giulio Di Lallo	CMCC
21	Elisa Delpiazzo	CMCC



22	Paul Zagame	SEURECO
23	Ester Galende Sánchez	BC3
24	Neuner, Felix	FhISI
25	Annela Anger Kraavi	Cambridge
26	Alessia Elia	E4SMA
27	Glen Peters	CICERO
28	Chris Petkidis	NTUA
29	Gabriele Casseti	E4SMA
30	George Xexakis	HOLISTIC
31	Gambhir, Ajay	Imperial
32	Dirk-Jan van de Ven	BC3
33	Giarola, Sara	Imperial
34	Alessandro Chiodi	E4SMA
35	Benjamin Sanderson	CICERO
36	Maria R. Russo	Cambridge
37	Ben McWilliams	Bruegel
38	Zachmann, Georg	Bruegel
39	Daniel Mayer	Bruegel
40	Koberle, Alexandre	Imperial
41	Seus, Sarah	FhISI
42	Stavros Skalidakis	NTUA
43	Daniel Mayer	Bruegel
44	Mikel González-Eguino	BC3
45	Maurizio Gargiulo	E4SMA
46	Gambaro Martina	CMCC
47	Han Vandepoele	Guest

Minutes: Main issues discussed

Item	Description	Action	
		What	Who
WP1	<ul style="list-style-type: none"> Prof. Doukas presented the Meeting Agenda stressing the most important issues ahead, such as timeline changes due to the extension of the project, final modelling runs, update of the platform, and stakeholder engagement. Afterwards, Dr. Nikas took the floor and further delved into the aforementioned management issues, starting by discussing the modelling runs. WP7 involved partners must coordinate global mitigation runs, while the Paris Agreement-Compliant Scenario and final modelling runs were also discussed. Regarding the 2nd round of stakeholder engagement, coordination with the results from WP4 is deemed necessary. 	Finalise D1.5 regarding the project's expenditures	NTUA, All partners
WP2	<ul style="list-style-type: none"> Dr. Sorman presented progress in WP2 and I²AM PARIS. The EU current policy workspace was completed (September) and the corresponding global workspace is to be completed very soon. The platform also has a 3rd workspace presenting the RRF data, which is constantly updated. The WWH workspaces have 4 blocks that present the results of the multitude of models used, the overarching policy questions, the harmonisation process of the used models, as well a virtual library. NTUA and HOLISTIC presented the synergies of PARIS REINFORCE with ENCLUDE and NDCASPECTS projects that will further utilise and sustain I²AM PARIS via new workspaces. NTUA 	<p>Review common mistakes in data upload.</p> <p>Compose a guide for the use of the platform as well as the integration of new projects</p>	<p>NTUA, BC3</p> <p>NTUA, BC3</p>



	<p>and BC3 also updated on the platform's functionality and the elements that new workspaces must have to be easily imported.</p> <ul style="list-style-type: none"> The discussion on WP2 finished with a brief presentation of the implemented components of the platform as well as a dialogue on the data input process. 		
WP3	<ul style="list-style-type: none"> The WP3 session started with the presentation of the stakeholder engagement progress so far (completed/projected workshops). The consortium must organise workshops mainly in European countries, considering results of current round of modelling runs. Another issue discussed was the final conference of the project and the discussion focused on its date and location; Dr. Nikas proposed that it may be better to organise it in September 2022 and Dr. Boitier claimed that SEURECO partners are positive about organising it in Paris. Partners focused once more on workshops to be organised within Europe, mentioning the necessity to organise at least 1 workshop in the UK and 1 in Italy, also taking into consideration that these workshops may be less related to modelling results, as there are no detailed country-level results (with the focus being on the EU). 	<p>Organise at least two workshops: Italy & UK</p> <p>Organise a 2nd workshop in Greece by summer 2022</p> <p>Organise the final conference in Brussels or Paris</p>	<p>Bruegel, CMCC, E4SMA, Imperial, Cambridge</p> <p>Bruegel, NTUA, FhISI</p> <p>Bruegel, SEURECO</p>
WP4	<ul style="list-style-type: none"> NTUA partners briefly presented the studies and resulting papers published from all WP4 tasks, especially on Tasks 4.1-4.2 that are concluded. On Task 4.3: an online FCM tool has been created, to be upgraded and possibly integrated into I²AM PARIS. Fh ISI partners then presented progress in Task 4.4, with subtask 4.4.1 completed with the feedback provided from SEURECO and CICERO and presented to the consortium. Subtask 4.4.2 is well underway, as sectoral benchmarking is not yet completed, for which the methodology was presented during the meeting. NTUA briefly presented the framework for Task 4.5, focusing on the allocation of the RRF funds towards RES investments. The discussion also included the next steps that must be taken in order to enhance the robustness of the analysis as well as the employment data that it provides. Task 4.6 progress and planning was presented by Fr ISI, including the proposed framework for the project's following workshops, to be based on the results of Task 4.2. 	<p>Complete work on (extra) online MCDA tool</p> <p>Upgrade FCM tool, consider I²AM PARIS integration</p> <p>Complete the benchmarking process, necessary for D4.5</p> <p>Expand the analysis of Task 4.5 and contribute to global mitigation runs</p> <p>Organise workshops in 2022 to provide feedback for Task 4.6</p>	<p>NTUA</p> <p>NTUA</p> <p>Fh ISI</p> <p>NTUA</p> <p>NTUA, Fh ISI</p>
WP8	<ul style="list-style-type: none"> The first day of the meeting ended with the presentation of the key objectives of WP8. The discussion also included the project's CDE activities during COP26 in Glasgow, including presence in social media. Discussion also revolved around the strategy to increase non-scientific media (press) outreach. Some interesting ideas included the communication with newspapers to publish research insights that may be of interest to the public and translation of our results to policymaking, considering adaptation and resilience that may be more interesting to the general population. Partners also discussed the continuity of the I²AM PARIS platform regarding CDE activities. 	<p>Endeavour to increase non-research media outreach</p> <p>Translate research results in ways that may attract the interest of the general population</p>	<p>All partners</p> <p>All partners</p>
WP5	<ul style="list-style-type: none"> The second day of the project plenary meeting focused on the modelling WPs and started with a brief presentation of the two deliverables under development for WP5. The next issue discussed was D5.3 and mainly the paper depicting the Where We Headed EU modelling runs. This paper included 11 models and provided technological and sectoral results as well as insights into the contribution of AFOLU in the EU's endeavour to reach its 2030 and 2050 mitigation targets. The results of this paper were discussed with emphasis on fossil fuel prices. 	<p>Update D5.4</p> <p>Develop the Core and Deepening Scenarios for D5.5.</p>	<p>CMCC</p> <p>SEURECO</p>



	<ul style="list-style-type: none"> D5.4 is due to be submitted very soon and it focuses on the analysis of SDGs on EU climate policy by using 10 models in order to examine almost every SDG (SDGs 5 & 16 were deemed too difficult to model in relevance to energy and climate policy). On the other hand, D5.5 is due in September 2022, therefore there was a shorter discussion on relevant issues, such as proposing an indicator for energy poverty and how national workshops can feed into final WP5 modelling work in this respect. 		
WP6	<ul style="list-style-type: none"> The presentation of WP6 began with the timeline of the WP's deliverables and the work done in previous months (e.g., data collection), setting up the models used. The WP will also use work done in other WPs regarding SDG and MCDA analysis. Afterwards, the presentation continued with the insights provided from the first modelling runs, focusing on parameters such as carbon prices and the RES share in electricity generation. The discussion continued by introducing the SDG analysis that will take place (D6.4) as well as the survey that must be done to proceed with D6.5, which is pending ethics clearance. 	<p>Organise workshops in Canada, Brazil and maybe Mexico</p> <p>Send D6.5 survey to experts</p>	<p>Imperial, Bruegel</p> <p>NTUA, EPFL, SEURECO, Imperial, Cambridge NTUA</p>
WP7	<ul style="list-style-type: none"> An issue raised was global modelling runs not fully considering COVID-19 and the impending fossil fuel prices crisis. Discussion then focused on the diagnostics runs and the relevant discussion on job multipliers for mitigation modelling. Analysis included several parameters such as emissions, policy costs, the effect of CCS on fossil fuel prices, etc. Other topics included the codesign of Paris Agreement Scenarios, stakeholder feedback from COP26, and comparison of the results of WP5 & 6 with the WP7 regional results. The meeting ended with the discussion revolving around the Global Stocktake endeavour of the project, for which the project's models can answer mainly on questions related to mitigation (and not adaptation, nor finance). 	<p>Conclude jobs analysis for mitigation modelling</p> <p>Consider integrating stakeholder input in scenarios</p> <p>Synthesis of project results for Global Stocktake</p>	<p>Imperial, NTUA</p> <p>All modelling partners</p> <p>Cambridge, all partners</p>



2.13 Agenda and minutes of the Management Board Meeting, January 18, 2022

Tuesday, January 18, 2022
Management Board Meeting
14:00-15:00 CET
Microsoft Teams

Participants: Beneficiaries

Agenda

1. Update on the project progress (completed, ongoing, and upcoming tasks and Deliverables)
 - WP1
 - Budget underspend
 - WP2
 - WP3
 - Workshop planning
 - D3.6 - Proceedings of the 1st series of national stakeholder workshops: Update (Jan 2022)
 - WP4
 - COVID-19 global & EU study updates
 - WP5
 - D5.4: Study on EU climate policy, SDGs and the EU policy framework – Update (Mar 2022)
 - WP6
 - D6.3: First round of nationally modelled low-carbon pathways outputs – Update (Jan 2022)
 - D6.4: Ancillary impacts, including SDGs, of national lowcarbon pathways outputs – Update (Jan 2022)
 - D6.5 Game-changing innovation across the globe – Update (Mar 2022)
 - WP7
 - Mitigation Runs
 - D7.6: Report on reference and policy scenario modelling results (May 2022)
 - WP8
 - WP9
2. 2022 (M32-M36) deliverables and review planning (including updates) – NTUA
3. Any other business

Present on Call

1	Zsolt Lengyel	IEECP
2	Haris Doukas	NTUA
3	Alexandros Nikas	NTUA
4	Anastasios Karamaneas	NTUA
5	Wachsmuth, Jakob	FhSI
6	Marc Vielle	EPFL
7	Maurizio Gargiulo	E4SMA
8	Glen Peters	CICERO
9	Shivika Mittal	Cambridge
10	Ben McWilliams	Bruegel
11	George Xexakis	HOLISTIC



12	Alessia Elia	E4SMA
13	Alevgul Sorman	BC3
14	Benjamin Sanderson	CICERO
15	Filippos Serepas	NTUA
16	Baptiste Boitier	SEURECO
17	Giulio Di Lallo	CMCC
18	Alessandro Chiodi	E4SMA
19	Perdana Sigit Pria	EPFL
20	George Stravodimos	IEECP
21	Ester Galende Sanchez	UCM
22	Jorge Moreno Membrillera	Imperial
23	Elin May	Cambridge
24	Lorenza Campagnolo	CMCC
25	Matia Riemer	FhISI
26	Dirk-Jan van de Ven	BC3
27	Ajay Gambhir	Imperial
28	Gabriele Cassetti	E4SMA
29	Sara Giarola	Imperial
30	Daniel Mayer	Bruegel
31	Paul Zagame	SEURECO
32	Alexandre Koberle	Imperial

Minutes: Main issues discussed

Item	Description	Action	
		What	Who
1.	<ul style="list-style-type: none"> Short description of the Agenda, presentation of new associates. Prof. Doukas expressed his wishes for a physical meeting since the project reaches its end. He also emphasised the budget underspend issue and requested from the partners to update the NTUA admin team on all developments (in a 3-month window). WP2: Partners with updates on existing workspaces can upload them on the webpage. HOLISTIC and NTUA to help with the template to upload data on the platform. WP3: Workshops planned for the final round of stakeholder engagement. WP4: Policy scenarios to be updated and transformative policy mixes to be developed. Workshops will be carried out in Brazil, Canada, the UK and Germany, and Greece. WP5: Updated discussions in March, scenario availability and analysis on SDGs to be verified by end of February. New protocol is ready for 2 updated courses. WP6: D6.3 to be completed soon; updates of D6.4 and D6.5 on track. WP7: Mitigation runs, analysis of stakeholder views, Global Stocktake synthesis drafts to be shared soon. WP8: Mr. Lengyel noted that exiting the pandemic can affect CDE activities positively 	<p>Partners to inform NTUA on possible changes in PMs and budget</p> <p>Updates to modelling data</p> <p>Task 4.6 workshop plans and protocols</p> <p>Share agenda for new WP5 discussions</p> <p>Complete WP6 deliverable (updates)</p> <p>Update to be shared soon</p>	<p>All partners</p> <p>All Partners</p> <p>Fr ISI</p> <p>SEURECO</p> <p>Imperial, CMCC, EPFL, Cambridge, Imperial</p>
2.	<ul style="list-style-type: none"> Reviewers defined for D3.6, D6.3, D6.4, D5.4, D6.5, and D7.6. 		
3.	<ul style="list-style-type: none"> No other issues were introduced to this meeting 		



2.14 Agenda and minutes of the Management Board Meeting, February 1, 2022

Tuesday, February 1, 2022
Management Board Meeting
13:00-14:00 CET

Microsoft Teams

Participants: Beneficiaries involved in global modelling runs

Agenda

1. Diagnostic and back-casting update (Imperial College London)
2. Global Stocktake (GST)
 - Planning and outline
3. Paris Agreement Compliance Scenarios
 - Comparison of EU and global models
 - Discussion
4. Any other business

Present on Call

1	Alexandros Nikas	NTUA
2	Shivika Mittal	Imperial
3	Alevgul Sorman	BC3
4	Baptiste Boitier	SEURECO
5	Dirk-Jan van de Ven	BC3
6	Ester Galende	BC3
7	Ajay Gambhir	Imperial
8	Annela Anger-Kraavi	Cambridge
9	Glen Peters	CICERO
10	Alexandre Koberle	Imperial
11	Lorenza Campagnolo	CMCC
12	Benjamin Sanderson	CICERO
13	Maria Russo	Cambridge
14	Marc Vielle	EPFL
15	Sigit Perdana	EPFL
16	Maurizio Gargiulo	E4SMA
17	Elisa Delpiazzo	CMCC
18	Konstantinos Koasidis	NTUA
19	Haris Doukas	NTUA
20	Alessandro Chiodi	E4SMA



Minutes: Main issues discussed

Item	Description	Action	
		What	Who
1	<ul style="list-style-type: none"> Discussions started with updates on backcasting scenarios and diagnostics. Dr. Koberle noted that some extra parameters were required for the job analysis for some models (e.g., ICES). Specifically, runs have been completed and currently the Imperial team are preparing the necessary figures for the first draft. The discussion was continued by Dr. Russo, who suggested that some mitigation runs results can be fed into climate models, e.g., the MAGICC and UKESM models can be used to generate some inter-comparison insights as well since UKESM is a more complex model. In this context, partners also discussed submission deadlines and journal options. 	Prepare a draft version of the mitigation and diagnostic runs paper	Imperial
		Run climate models for the mitigation runs results	Cambridge
2	<ul style="list-style-type: none"> The next issue discussed is the project's involvement in the Global Stocktake, the global goal of which is to examine mitigation and adaptation potential as well as the means of implementation. The Global Stocktake process was discussed. The first phase is data collection and it is already in progress with a deadline of the end of February. This is where we should contribute. The second phase is a technical dialogue, scheduled for June 2022, followed by the political dialogue to take place in 2023. Therefore, the survey must be completed by the end of February in order to use its feedback on the data collection phase. In this context, the partners discussed the restrictions and type of data that must be collected. 	Complete the survey and collect data for submissions	Cambridge
3	<ul style="list-style-type: none"> The meeting concluded with a very brief discussion on the Paris Agreement compliant scenarios. In this context, Dr. Anger-Kraavi suggested that it would be useful that EU modelling results to be finalised before proceeding to global modelling runs. This can be valuable for inter-comparison purposes but also for receiving some feedback from EU models that can be applied on global models as well. 	Finalise EU modelling runs	SEURECO, EPFL
		Start global modelling runs	Cambridge, Imperial
4	<ul style="list-style-type: none"> No other business was discussed 		



2.15 Agenda and minutes of the Management Board Meeting, March 15, 2022

Tuesday, March 15, 2022
Management Board Meeting
14:00-15:00 CET

Microsoft Teams

Participants: Beneficiaries

Agenda

1. Update on the project progress (completed, ongoing, and upcoming tasks and Deliverables)
 - WP1
 - D1.4: Report on Project and Advisory Board Meetings - Update 2 (NTUA) – May 2022
 - WP2
 - WP3
 - WP4
 - WP5
 - D5.4: Study on EU climate policy, SDGs and the EU policy framework (CMCC) – Final deadline: April 2022
 - WP6
 - D6.4: Ancillary impacts, including SDGs, of national low-carbon pathways outputs (CMCC) – Final deadline: May 2022
 - D6.5 Game-changing innovation across the globe (EPFL) – Final deadline: March 2022
 - WP7
 - D7.6: Report on reference and policy scenario modelling results (BC3) – May 2022
 - WP8
 - WP9

2. 2022 (M37-M42) deliverables and review planning – NTUA

3. Strictly sticking to amended timeline – NTUA
 - D4.5 – IDA (Fh ISI, Jul 2022)
 - D3.7 – Proceedings of workshops (E4SMA, Sep 2022)
 - D4.4 – FCMs (NTUA, Sep 2022)
 - D5.5 – WP5 final runs (SEURECO, Sep 2022)
 - D4.6 – 2nd PA runs (NTUA, Oct 2022)
 - D6.6 – WP6 final runs (Cambridge, Oct 2022)
 - All other (D2.6, D3.8, D4.7, D7.7, D8.8, D8.10, D8.12, D8.13) – Nov 2022

4. Workshops planning – Bruegel

5. Any other business

Present on Call

1	Themistoklis Koutsellis	NTUA
2	Baptiste Boitier	SEURECO



3	Zsolt Lengyel	IEECP
4	Elin May	Cambridge
5	Alevgul Sorman	BC3
6	Vielle Marc	EPFL
7	Riemer, Matia	FhISI
8	Lorenza Campagnolo	CMCC
9	Alexandros Nikas	NTUA
10	Al-Dabbas, Khaled	Guest
11	Perdana Sigit Pria	EPFL
12	Georg Zachmann	Bruegel
13	George Stravodimos	IEECP
14	Gabriele Cassetti	E4SMA
15	Alessia Elia	E4SMA
16	Dirk-Jan van de Ven	BC3
17	Annela Anger Kraavi	Cambridge
18	Gambhir, Ajay	Imperial
19	Maurizio Gargiulo	E4SMA
20	Filippos Serepas	NTUA
21	George Xexakis	NTUA
22	Wachsmuth, Jakob	FhISI
23	Glen Peters	CICERO
24	Daniel Mayer	Bruegel
25	Mittal, Shivika	Imperial

Minutes: Main issues discussed

Item	Description	Action	
		What	Who
1.	<ul style="list-style-type: none"> Short overview of agenda by Dr. Nikas (NTUA). WP7: Dr. Anger-Kraavi (Cambridge) presented the current progress with the report on reference and policy scenario modelling. Dr. Gambhir (Imperial) presented the progress of the modelling teams; important notes on macro-economic models were discussed. Some notes were made on GDP gain results in the impact assessments a few months back in the project. Dr. Gambhir noted that the consortium should start preparing (within March) for the second run of the modelling scenarios. WP1: Dr. Nikas presented the progress on D1.4 that is due in May 2022 and well on track. WP2: Dr. Sorman (BC3) presented the progress on WP2 and the data templates and the platform transition. WP2: Mr. Xexakis (HOLISTIC) presented the progress on the platform finalisation and the takeover transition progress WP3: Mr. McWilliams presented the progress on WP3 and the workshop timeline. Preparations are well on track and there is a discussion for a workshop in Greece. WP4: Dr. Nikas noted that the framework for the case studies is being set up, use of data from previous inputs is advised (papers that are now under review) focusing on how SDGs are reflected in the models. WP5: Dr. Boitier (SEURECO) presented the progress of the EU PAC study. Data and results from all models were collected and a final scenario protocol to be presented. Dr. Campagnolo 	<p>Prepare for Second models Run</p> <p>Finalise D1.4</p> <p>Organise Workshop in Greece</p> <p>Final scenario protocol</p>	<p>BC3, all modelling teams</p> <p>NTUA</p> <p>NTUA & Bruegel</p> <p>SEURECO, all WP5 partners</p>



	<p>concluded the presentation on the progress of D5.4 and emphasised the EU- and country-level analysis.</p> <ul style="list-style-type: none"> • WP6: Dr. Gambhir noted that D6.4 is delayed, regarding the impact assessment of national low-carbon pathways, whereas D6.5 and D6.6 are well on track. Workshops in Brazil and Canada to be hosted in May. • WP8: Everything is proceeding according to the project's timeline as presented by Mr. Lengyel (IEECP). 		
2.	<ul style="list-style-type: none"> • Dr. Nikas (NTUA) presented the deliverables to come and the timeframe. • Dr. Zachmann noted that a complete rebalancing of the fuel mixes globally, due to the Ukraine conflict could affect the design and validity of our models and their relevance since all these developments are happening too fast. 	Prepare ideas on how to incorporate the implications of the Ukraine conflict in our modelling work	All partners
3.	<ul style="list-style-type: none"> • No other issues were introduced to this meeting 		



2.16 Agenda and minutes of the 5th Project Meeting, May 24 & 25, 2022

Tuesday & Wednesday, May 24 & 25, 2022

5th Project Meeting

Microsoft Teams

Participants: Beneficiaries

Agenda

Day 1

- 09:00 – 09:15 **Welcome notes**
- 09:15 – 11:00 **WP7: Global modelling, inter-comparisons**
Annela Anger-Kraavi, Hannah Parris (Cambridge)
Alexandre C. Koberle, Shivika Mittal (Imperial College London, Grantham Institute)
Dirk-Jan Van de Ven (Basque Centre for Climate Change)
- Imperial-led mitigation runs, and BC3-led final modelling runs*
- 11:00 – 11:15 **Tea & Coffee break**
- 11:15 – 12:00 **WP5: Modelling in Europe**
Baptiste Boitier (SEURECO)
Lorenza Campagnolo (CMCC)
- Progress and work for final semester*
- 12:00 – 12:45 **WP6: Modelling outside Europe**
Ajay Gambhir (Imperial College London, Grantham Institute)
- Progress and work for final semester*
- 12:45 – 13:00 **Discussion**
 Q&As, Wrap-up of 1st day, Any other business

Day 2

- 09:00 – 09:15 **Welcome notes**
- 09:15 – 9:30 **WP1: Project Management**
Haris Doukas, Alexandros Nikas (National Technical University of Athens)
- Reflection and insights from first 3 years. Risks/challenges, amendment.*



- 9:30 – 10:30 **WP2: The I²AM PARIS Platform**
Alevgul Sorman (Basque Centre for Climate Change)
Georgios Xexakis (HOLISTIC)
- Upcoming workspaces, coordination with other projects, sustainability of the platform*
- 10:30 – 10:45 **Tea & Coffee break**
- 10:45 – 11:30 **WP3: Stakeholder engagement**
Georg Zachmann, Daniel Mayer, Ben McWilliams (Bruegel)
- Discussion on and timeline for summertime-autumn national workshops*
- 11:30 – 12:15 **WP4: Socio-technical angle & robustness of modelling results**
Alexandros Nikas (National Technical University Athens)
Philine Warnke, Jakob Wachsmuth (Fraunhofer ISI)
- Progress in index decomposition analysis, fuzzy cognitive maps, transformative policy mixes*
- 12:15 – 12:45 **WP8: Communication, Dissemination, & Exploitation**
Zsolt Lengyel (Institute for European Energy and Climate Policy)
- KPIs: progress and final steps, lessons learnt, DOs and DON'Ts, making the best of extension*
- 12:45 – 13:00 **Discussion**
 Q&As, Wrap-up of 2nd day, Any other business

Present on Call

1	Haris Doukas	NTUA
2	Zsolt Lengyel	IEECP
3	Jakob Wachsmuth	FhISI
4	Matia Riemer	FhISI
5	Baptiste Boitier	SEURECO
6	Elin May	Cambridge
7	Alexandros Nikas	NTUA
8	Lorenza Campagnolo	CMCC
9	Alevgul Sorman	BC3
10	George Stravodimos	IEECP
11	Anastasios Karamaneas	NTUA
12	Sigit Perdana	EPFL
13	Konstantinos Koasidis	NTUA
14	Giulio Di Lallo	CMCC
15	Elisa Delpiazzi	CMCC
16	Paul Zagame	SEURECO
17	Ester Galende Sánchez	BC3
18	Felix Neuner	FhISI
19	Annela Anger Kraavi	Cambridge
20	Alessia Elia	E4SMA



21	Glen Peters	CICERO
22	Chris Petkidis	NTUA
23	Gabriele Cassetti	E4SMA
24	George Xexakis	HOLISTIC
25	Ajay Gambhir	Imperial
26	Dirk-Jan van de Ven	BC3
27	Sara Giarola	Imperial
28	Alessandro Chiodi	E4SMA
29	Maria Russo	Cambridge
30	Ben McWilliams	Bruegel
31	Daniel Mayer	Bruegel
32	Alexandre Koberle	Imperial
33	Maurizio Gargiulo	E4SMA
34	Shivika Mittal	Imperial
35	Themistoklis Koutselis	NTUA
36	Filippos Serepas	NTUA
37	Ida Sognaes	CICERO
38	Sirin Alibas	FhISI
39	Khaled Al-Dabbas	FhISI
40	Marc Vielle	EPFL
41	Georg Zachmann	Bruegel

Minutes: Main issues discussed

Item	Description	Action	
		What	Who
WP7	<ul style="list-style-type: none"> After Prof. Doukas's (NTUA) short introduction, Dr. Anger-Kraavi (Cambridge) took the floor and presented a brief overview of WP7 and its tasks and deliverables. Afterwards, the discussion shifted towards the submission of papers relevant to WP7 deliverables as well as the process of providing project input into the Global Stocktake, coordinated by Cambridge. The project eventually made five submissions via the UNFCCC portal. Dr. van de Ven (BC3) then presented the progress regarding the 2nd iteration of global runs focusing on the COVID-19 pandemic and the Russia-Ukraine conflict's impact on GDP and how these events may affect mitigation pathways. He then introduced the context of the modelling runs, which are subject to three degrees of uncertainty in increasing order: a) current policies, b) NDC pledges and c) Long-term/Net-Zero policies. The last category demonstrates the highest uncertainty since it is based on NDCs and aggregates regions with different pledges, thus two different approaches are considered. The discussion also focused on COP26 pledges, which are more optimistic than previous pledges but still lack the necessary policy measures to reach net-zero by 2050-2070. Partners from CICERO, Imperial, and BC3 then emphasised the importance of GDP projections as well as of policies for emissions trajectories focusing on countries such as China and India. Dr. Koberle (Imperial) presented in detail the well-below-2°C scenarios currently underway. This analysis was conducted with a large set of models, providing a wide range of results as well as an array of employment implications. Some key messages were 	<p>Examine if it is possible to include some avoided damages insights in upcoming deliverables</p> <p>Include ancillary benefits, equity, just transition and avoided damages insights from WPs across the project in D7.7.</p>	<p>All modelling partners</p> <p>Imperial, all partners</p>



	<p>that the model structure, as well as the parameters-related uncertainty, are heavily affecting the results.</p> <ul style="list-style-type: none"> • Dr. Gambhir (Imperial), Dr. Peters (CICERO), Dr. Nikas (NTUA), and Dr. Van de Ven (BC3) discussed the submission of scenarios to the IPCC AR6 WGIII database, in which only a few (project) scenarios were rejected due to vetting. 		
WP5	<ul style="list-style-type: none"> • Dr. Boitier (SEURECO), offered a brief overview of WP deliverables and a discussion on the impact of COVID-19 and increasing fuel prices on the PAC Core Scenarios. • Dr. Campagnolo (CMCC) took the floor to present D5.4 progress, examining the impact of mitigation pathways on SDGs. The SDG analysis included 34 indicators provided from 7 models that can examine all SDGs except SDGs 5 and 17. The WWH21 protocol focuses on decarbonising the energy generation sector whereas the NZE scenarios achieve net-zero (or near-zero) emissions in every sector. This analysis also included a brief presentation of the co-benefits and side effects on each SDG in every scenario. • An overview of the PAC scenarios regarding (energy-economic insights) included results on primary energy consumption, power generation, emissions cuts per sector, electricity and hydrogen in the industrial sector etc. • Finally, presenters discussed next steps of for WP5: an exhaustive synthesis for D5.5, preparation of scientific papers (focusing on the NZE scenarios) and the PAC deepening scenarios, including a scenario for phasing-out Russian fossil fuels. 	<p>Prepare a thorough synthesis for D5.5.</p> <p>Drafts for papers related to NZE pathways</p> <p>Prepare PAC deepening scenarios</p>	<p>SEURECO</p> <p>SEURECO, EPFL</p> <p>All WP5 partners</p>
WP6	<ul style="list-style-type: none"> • Next, Dr. Gambhir (Imperial) took the floor and briefly presented the aim, tools and deliverables of WP6 (short discussion on slow progress of Japan modelling). • Afterwards, discussion shifted towards the project's stakeholder engagement through online workshops, the latest of which took place in May 2022 and focused on Canada and Brazil. This discussion was enriched with an overview of the details discussed and the scenario design plans proposed in previous workshops. • Furthermore, Dr. Gambhir presented sample results from the 1st iteration of modelling runs, the ancillary impacts protocol from D6.4 as well as some insights from D6.5 regarding the risk of delay of game-changing innovations. • The 1st day of the meeting concluded with a brief discussion regarding the submission of D6.5 analysis to RSER, as well as the presentation of the project's Special Issue in RSET, co-edited by Ajay Gambhir (Imperial), Alexandros Nikas (NTUA), and Baptiste Boitier (SEURECO). 	<p>Communicate with the Japanese partners to advance with modelling runs</p> <p>Finalise draft for RSER</p>	<p>Imperial</p> <p>EPFL, NTUA, SEURECO, and Imperial</p>
WP1	<ul style="list-style-type: none"> • The 2nd day of the meeting started with a short greeting from Prof. Doukas, who also informed the consortium partners about the EC's request to terminate our Russian partner, IEF-RAS, due to current conditions. This will require some changes in the GA, and guidance from the Project Advisor is anticipated. • Afterwards, Dr. Nikas went over the challenges and tasks of the last six months of the project, per WP. Indicatively, I²AM PARIS to require various updates in tandem with modelling developments in the project. Four European workshops planned, in the context of WP3. There was a discussion on this year's ECEMP, IAMC and the final conference and COP27, all toward the end of the project. 	<p>Prepare amendment request (for termination of IER-RAS)</p> <p>Discussion on the location, format, and date of the final conference</p>	<p>NTUA</p> <p>NTUA, SEURECO, Bruegel</p>
WP2	<ul style="list-style-type: none"> • Dr. Sorman (BC3) presented an overview of the platform's workspaces, whose elements are already completed. • The discussion shifted towards the platform analytics, presented by HOLISTIC and demonstrating two issues that must be resolved: high bounce rate and low average session duration. The platform 	<p>Update the platform data and workspaces</p>	<p>BC3, NTUA, HOLISTIC</p>



	<p>must be updated to include the necessary tools and modules to allow the accommodation of H2020 ENCLUDE and NDC ASPECTS as well as new (Horizon Europe) projects sustaining it.</p> <ul style="list-style-type: none"> The WP2 discussion concluded with Dr. Mittal (Imperial), who suggested that the platform should accommodate the video demonstrating I²AM PARIS technical and non-technical aspects. This suggestion was deemed very useful by the consortium partners and an endeavour to create a relevant video will start. 	Create a guiding video for uploading data to the platform	NTUA, BC3, HOLISTIC
WP3	<ul style="list-style-type: none"> Afterwards, the progress on WP3 was presented by Mr. McWilliams (Bruegel), who discussed progress of the workshops organised. Non-European workshops are completed and final 4 European workshops (Greece, Italy, the UK, and Germany) are being prepared. Then, the discussion shifted towards the project's final conference (to take place in Paris, hosted by SEURECO) physically or in a hybrid model being a two-day event. Parallely, a second, smaller conference may be organised in Brussels. More details on these developments will be discussed at the end of June. There was finally a short discussion about a stakeholder engagement paper, including lessons learnt, starting from a policy brief. 	<p>Prepare and host the 4 pending national workshops</p> <p>Organise the final conference</p> <p>Prepare the stakeholder engagement brief and paper</p>	<p>NTUA, Fh ISI, Imperial, CMCC, E4SMA</p> <p>Bruegel, SEURECO</p> <p>Bruegel, Imperial, BC3, NTUA</p>
WP4	<ul style="list-style-type: none"> Dr. Nikas took the floor and briefly updated partners on research outputs of WP4 as well as submitted and published papers. In Task 4.1, several more papers were accepted since the last meeting, and a final one is under review (from D6.5) in RSER. In Task 4.2 (also concluded), the only update was the publication of the Brazil-Argentina case in RSER as well as the use of the task's insights to feed into Task 4.6. Then Dr. Nikas informed partners on the new FCM methodological novelties (and papers) as well as the next steps for Task 4.3: a) integrating In-Cognitive in the I²AM PARIS platform and b) preparing three FCM-bases exercises. The discussion included the developments in Task 4.4 which is separated into two sub-tasks (IDA and benchmarking), whose results were presented by the Fh ISI partners. Finally, NTUA and Fh ISI briefly presented the progress of Tasks 4.5 and 4.6. In this context, the next steps that must be taken are mainly workshop-oriented in conjunction with WPs 3, 5 and 6. 	<p>Finalise the RSER paper</p> <p>Consider integrating the FCM tool in the platform</p> <p>Prepare 3 FCM-based exercises, including stakeholder-related issues</p> <p>Prepare data for workshops and use the stakeholder-provided feedback</p> <p>Finalise engagement-related methodological aspects</p>	<p>NTUA, EPFL</p> <p>NTUA, BC3, HOLISTIC, CMCC, E4SMA</p> <p>NTUA, Fh ISI</p> <p>NTUA, Fh ISI</p>
WP8	<ul style="list-style-type: none"> WP8 key deliverables were presented by Mr. Lengyel (IEECP) and the main insight was that the project has already overperformed in some of its KPIs (e.g., number of scientific publications and Press/media presence). However, the consortium must try to further boost its performance in social media. This meeting concluded with a brief update on the website's statistics as well as an overview of studies published in the last six months. 	Boost social media presence and activity	IEECP and all partners

