



# PARIS REINFORCE



PARIS  
REINFORCE

30/11/2020

## **D1.3 REPORT ON PROJECT AND ADVISORY BOARD MEETINGS – UPDATE 1**

WP1 – Project Management

Version: 1.0



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EU Project Officer	Frederik Accoe		
Project Coordinator	National Technical University of Athens – NTUA		
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Reviewer(s)	Haris Doukas (NTUA)		
Keywords	Project meetings' agendas, Project meetings' minutes, Scientific Advisory Board		



## 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 meeting planned for May 2020 due to the COVID-19 pandemic. Nevertheless, that meeting was substituted by various online meetings per WP, mostly focusing on the challenges to stakeholder engagement and global modelling, serving the same purposes. Also, the envisaged November 2020 physical meeting was substituted with an online full-day project meeting, on November 24, 2020.

### 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 2019 to November 2020) no physical meetings have taken place due to the COVID-19 pandemic. However, the consortium held one full-day Project Meeting, and fourteen Management Board and Consortium Calls. 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.









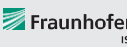









### 4. Evidence of accomplishment

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, among others, 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 <sup>1</sup>PARIS, 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.

<b>NTUA</b> - National Technical University of Athens	GR	
<b>BC3</b> - Basque Centre for Climate Change	ES	
<b>Bruegel</b> - Bruegel AISBL	BE	
<b>Cambridge</b> - University of Cambridge	UK	
<b>CICERO</b> - Cicero Senter Klimaforskning Stiftelse	NO	
<b>CMCC</b> - Fondazione Centro Euro-Mediterraneo sui Cambiamenti Climatici	IT	
<b>E4SMA</b> - Energy Engineering Economic Environment Systems Modeling and Analysis	IT	
<b>EPFL</b> - École polytechnique fédérale de Lausanne	CH	
<b>Fraunhofer ISI</b> - Fraunhofer Institute for Systems and Innovation Research	DE	
<b>Grantham</b> - Imperial College of Science Technology and Medicine - Grantham Institute	UK	
<b>HOLISTIC</b> - Holistic P.C.	GR	
<b>IEECP</b> - Institute for European Energy and Climate Policy Stichting	NL	
<b>SEURECO</b> - Société Européenne d'Economie SARL	FR	
<b>CDS/UnB</b> - Centre for Sustainable Development of the University of Brasilia	BR	
<b>CUP</b> - China University of Petroleum-Beijing	CN	
<b>IEF-RAS</b> - Institute of Economic Forecasting - Russian Academy of Sciences	RU	
<b>IGES</b> - Institute for Global Environmental Strategies	JP	
<b>TERI</b> - 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 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 2019–November 2020), the following meetings have taken place, as illustrated in Table 1.

**Table 1: PARIS REINFORCE Project Meetings (covering period December 2019–November 2020)**

Type of meeting		Date
Remote (teleconference)	Management Board Meeting	2019-12-10
Remote (teleconference)	Management Board Meeting	2020-01-14
Remote (teleconference)	Management Board Meeting	2020-01-21
Remote (teleconference)	Management Board Meeting	2020-02-11
Remote (teleconference)	Management Board Meeting	2020-03-10
Remote (teleconference)	Management Board Meeting	2020-03-31
Remote (teleconference)	Management Board Meeting	2020-05-05
Remote (teleconference)	Management Board Meeting	2020-06-02
Remote (teleconference)	Consortium Call	2020-06-09
Remote (teleconference)	Management Board Meeting	2020-06-23
Remote (teleconference)	Management Board Meeting	2020-07-07
Remote (teleconference)	Management Board Meeting	2020-07-21
Remote (teleconference)	Management Board Meeting	2020-09-08
Remote (teleconference)	Management Board Meeting	2020-10-20
Remote (teleconference)	3 <sup>rd</sup> Project Meeting	2020-11-24

## 1.1 Purpose and Scope

The purpose of this deliverable is to feature a periodic report of all (online and physical) project meetings (agendas, minutes, etc.) and to report feedback from the Scientific Advisory Board, from electronic and physical communication.

## 1.2 Structure of the Document

Deliverable D1.3 “Project and Advisory Board Meetings – Update 1” of the PARIS REINFORCE project consists of



two sections. The first section presents the agenda and minutes of the online meetings (Project Meeting, Consortium Call, and Management Board meetings), while the second section discusses feedback from the Scientific Advisory Board.



## 2 Remote (online) meetings

### 2.1 Agenda and minutes of the Management Board Meeting, December 10, 2019

**Tuesday, December 10<sup>th</sup>, 2019**  
**Management Board Meeting**  
**14:00-15:00 CET**

**Weblink:** <https://global.gotomeeting.com/join/503907253>

**Participants:** All partners

#### Agenda

1. Progress on Work Packages
  - Work Package 2: Deliverable D2.2
  - Work Package 3: Deliverable D3.3
  - Work Package 4: Task T4.2
  - Work Package 5: Deliverable D5.2
  - Work Package 6: Deliverable D6.2
  - Work Package 7: Deliverable D7.2
  - Work Package 8
  - Work Package 9
2. Regional EU Workshop next steps
3. Feedback from the consortium members' travel to Japan
4. Any other business
5. Next meetings
  - Management Board Meeting
    - Tuesday, December 17, 14.00 CEST (GoToMeeting link) (to be confirmed)

#### Present on Call

1	Dirk-Jan van de Ven	BC3
2	Daniel Mayer (Bruegel)	Bruegel
3	Glen Peters	CICERO
4	Ida Sognnæs	CICERO
5	Elisa Delpiazzi	CMCC
6	Lorenza Campagnolo	CMCC
7	Alessandro Chiodi	E4SMA
8	Alessia Elia	E4SMA
9	Marc VIELLE	EPFL
10	Perdana Sigit Pria	EPFL





11	Jakob Wachsmuth	Fraunhofer ISI
12	Vangelis Marinakis	HOLISTIC
13	Kathleen Vaillancourt	IEECP
14	Vaggelis Psarras	IEECP
15	Zsolt Lengyel	IEECP
16	Ajay Gambhir	Imperial Grantham
17	Alexandros Nikas	NTUA
18	Haris Doukas	NTUA
19	Arnaud Fougeyrollas	SEURECO
20	Baptiste Boitier	SEURECO

**Minutes: Main issues discussed**

Item	Description	Action	
		What	Who
1.	<ul style="list-style-type: none"> <li>• WP2 <ul style="list-style-type: none"> <li>○ BC3: They have prepared an Excel sheet which will be shared with the modelling teams so that they provide their input into the harmonisation process towards a Harmonisation Protocol. Input deadline by December 24.</li> <li>○ Due attention should be paid to the “compatibility” of the different models on top of harmonisation.</li> <li>○ HOLISTIC and NTUA have received comments and suggestion of the partners and they are working now on the documentation and functionality update on the I2AM PARIS Platform.</li> <li>○ NTUA called the partners to regularly provide inputs about the Platform when they deem necessary.</li> </ul> </li> <li>• WP3 <ul style="list-style-type: none"> <li>○ No update on D3.3 and the Stakeholders Database.</li> </ul> </li> <li>• WP4 <ul style="list-style-type: none"> <li>○ Milestone on MCA at end of January 2020. NTUA is working on this.</li> <li>○ Task 4.2: Completed one case study and ongoing work on a second one for LA; two comparative case studies for Germany and Russia to start the week of December 16; a case study to be initiated in February for Norway and maybe for the UK; soon (end of the week of December 10) the Greek case study will be shared</li> </ul> </li> <li>• WP5 <ul style="list-style-type: none"> <li>○ Discussion has been launched towards the harmonisation of assumptions of the different models for the reference scenarios. Plan for a meeting in Q1/2020 with the objective to organise the work on harmonisation and reference scenarios</li> </ul> </li> <li>• WP7 <ul style="list-style-type: none"> <li>○ Call next week (December 16) to discuss about the global scenarios. Imperial has already compiled a document as a starting point for discussion. Preparation for the D7.3 will start only in 2021</li> </ul> </li> <li>• WP8 <ul style="list-style-type: none"> <li>○ The first deliverables are already uploaded onto the website. The new newsletter will be circulated next week (December 16) to promote the conclusions of the Brussels Workshop in November 2019 and the first deliverables. The livestreaming of the Brussels Workshop</li> </ul> </li> </ul>	<p>D2.2 will submit the draft deliverable the week of December 16 (on time)</p> <p>Excel sheet will be shared with the modelling teams for the harmonisation process (week of December 9). Inputs be December 24</p> <p>The Greek case study will be shared to partners</p> <p>Call next week (December 16) to discuss about the global scenarios</p>	<p>BC3</p> <p>BC3 and modelling teams</p> <p>NTUA</p> <p>CICERO and WP7 contributors</p>



	<p>was a very good idea but the consortium needs better coordination in the future to advertise these channels of external communication early in advance.</p> <ul style="list-style-type: none"> <li>• WP9 <ul style="list-style-type: none"> <li>◦ No updates on the Ethics Requirements work package.</li> </ul> </li> </ul>		
2.	<p>Afternoon sessions: NTUA is preparing summaries for sessions 3, 4 and 5 which will be shared with the chairs before sending them out to Bruegel. Eventually these summaries will be shared by Bruegel with stakeholders</p>	<p>Summaries for sessions 3, 4 and 5 of the Brussels workshop to be shared with the chairs and Bruegel</p>	NTUA
3.	<ul style="list-style-type: none"> <li>• IMC Tsukuba: Participation in three events, presentation of the project and of a poster. Imperial presented the project models</li> <li>• Discussions with sister project ENGAGE on opportunities for joint activities and use of the IA2M PARIS Platform by other projects</li> <li>• NTUA participated in the EMF Certified National modelling team discussion on the national strategy on how national models can work together to model</li> <li>• Participation in a meeting with the EU Delegation on the EU-Japan dialogue about the national energy system transformation</li> <li>• Distribution of the policy brief which discussed what PARIS REINFROCE models can deliver</li> </ul> <p>An important outcome of the visit was the reinforcement of relationships and the strengthened engagement of the international partner NIS in the project</p>		
4.	<p>The first national stakeholder workshop will be organised in Athens in January. Further information will be disseminated early next year (2020)</p>		



## 2.2 Agenda and minutes of the Management Board Meeting, January 14, 2020

**Tuesday, January 14<sup>th</sup>, 2020**  
**Management Board Meeting**  
**14:00-15:00 CET**

**Weblink:** <https://global.gotomeeting.com/join/503907253>

**Participants:** All partners

### Agenda

1. Update on the project progress (completed, ongoing, and upcoming tasks and Deliverables)
  - WP1: Internal reporting (use of resources and narrative part)
  - WP2:
    - D2.3 Interactive map of models and tools
    - D2.4 I2AM PARIS platform
  - WP3:
    - D3.3. Proceedings of the 1st Regional EU Workshop
    - Progress on the Stakeholder Council Database and D3.4 Stakeholder Council Mapping, based on innovation dynamics
  - WP4: Next tasks and deliverables (D4.1 Socio-technical innovation system mapping)
  - WP5: Next tasks and deliverables (D5.2)
  - WP6: Next tasks and deliverables (D6.2)
  - WP7: Next tasks and deliverables (D7.2)
  - WP8: Project website, newsletters, communication material
  - WP9: Next tasks
2. National Stakeholder Workshops
  - Athens, January 2020
  - Kenya, March 2020
  - Any other?
3. Special Issue in Energy Sources: Part B
4. Any other business
5. Next meetings
  - Management Board Meeting
    - Tuesday, February 4, 14:00 CEST (GoToMeeting link) (to be confirmed)

### Present on Call

1	Dirk-jan van den Ven	BC3
2	Ben McWilliams	Bruegel
3	Daniel Mayer	Bruegel
4	Georg Zachmann	Bruegel
5	Annela Anger-Kraavi	Cambridge
6	Elisa Delpiazzi	CMCC
7	Lorenza Campagnolo	CMCC



8	Alessandro Chiodi	E4SMA
9	Maurizio Gargiulo	E4SMA
10	Marc VIELLE	EPFL
11	Perdana Sigit Pria	EPFL
12	Jakob Wachsmuth	Fraunhofer ISI
13	Vangelis Marinakis	HOLISTIC
14	Kahleen Vaillancourt	IEECP
15	Vaggelis Psarras	IEECP
16	Zsolt Lengyel	IEECP
17	Alecos Kelemenis	NTUA
18	Alexandros Nikas	NTUA
19	Haris Doukas	NTUA
20	Baptiste Boitier	SEURECO

### Minutes: Main issues discussed

Item	Description	Action	
		What	Who
1.	<ul style="list-style-type: none"> <li>• WP1 Narrative report covering the first semester: Although most of the WP Leaders have provided feedback, some WP Leaders not. WP Leaders to coordinate with contributors in order to submit their inputs by the end of the week of January 20.</li> <li>• WP2 D2.3: HOLISTIC and NTUA are working to update the Platform taking into account the feedback received by the modelling teams D2.4: Deadline May 2020. Most of the activities for the Platform have been implemented. HOLISTIC is addressing the comments of the partners.</li> <li>• WP3 D3.3: NTUA has provided feedback on the draft of Bruegel and Bruegel in in the process to integrate the comments into the final draft version for internal review. Stakeholders Council mapping: It took more time to conclude to the architecture of the database in Bruegel's CRM. It is now ready to be populated. Contacts of stakeholders should be inserted manually which is time-consuming. The database is by default GDPR compliant. Automated process – the members of the database get automatic e-mail to provide their consent to subscription in the database. Send out (today) to partners excel list and instructions with current contacts in database (the ones registered for the Brussels workshop) for confirmation and request for the partners to add more relevant stakeholders who they have been in contact with and they know they are interested in the project.</li> <li>• WP4 D4.1: Five cases studies envisaged. Not all by the deadline, over ambitious. The Greek case study is to be shared with Fraunhofer ISI for Germany and the partner in Russia very soon. By the end of March the comparative analysis ready with these two countries.</li> <li>• WP5</li> </ul>	<p>Narrative progress reports in the template of the periodic report to be submitted by January 24th</p> <p>An excel list and instructions to be sent to partners by mid-January</p> <p>Excel list with stakeholders to be filled out by the end of January 2020</p> <p>Greek case study to be shared with partners, mainly Fraunhofer and the partner from Russia</p> <p>The new version of the dataset of reference scenarios to be requested to the EU</p>	<p>WP Leader and contributors</p> <p>Bruegel</p> <p>All partners</p> <p>NTUA</p> <p>NTUA</p>



	<p>D5.2: A first document has been compiled with inputs by the modelling teams on how their models can be harmonised. The target is to have the reference scenarios by March 2020. A workshop on WP5 is to be organised soon for further discussion and coordination.</p> <p>We should request the EU to have access to the new version of the dataset of reference scenarios. SEURECO will discuss this bilaterally with NTUA.</p> <p>The selection of the research questions stemmed by the Brussels workshop is part of the ongoing internal discussion led by CICERO (scenario design Task) to be finalised by the end of January 2020.</p> <ul style="list-style-type: none"> <li>• WP8 Everything is up and running. We have not yet created an external interest for the Platform. This is a point to focus on in 2020 as regards external communication.</li> <li>• WP9 A last deliverable is due in May 2020. An e-mail will be sent to partners by NTUA to ask minor input, if necessary.</li> </ul>		
2.	<ul style="list-style-type: none"> <li>• Co-organisation of a high profile national workshop in Athens, Greece. The working language will be in Greek. No capacity for synchronous translation. It is planned for the 28th of January 2020. Focused discussion on decarbonisation and dedicated session on PARIS REINFORCE. Participants are expected to provide us with their input of their priority topics to be addressed by PARIS REINFORCE (similarly to the Brussels workshop).</li> <li>• Kenya workshop: It is planned for the 26th of March 2020. PR workshop part of a series events from 23 to 27 of March organised by the University of Mombasa. Full day workshop on energy priorities for Kenya and for Eastern Africa region. NTUA will share more information with partners asap (logistics, agenda).</li> </ul>	Summaries for sessions 3, 4 and 5 of the Brussels workshop to be shared with the chairs and Bruegel	NTUA
3.	<ul style="list-style-type: none"> <li>• Managed to get from the publisher a silent extension of the deadline (of two months). Still few submissions. Important for the PR to be included in the next IPCC review and partners are requested to submit their papers.</li> </ul>		



## 2.3 Agenda and minutes of the Management Board Meeting, January 21, 2020

**Tuesday, January 21<sup>st</sup>, 2020**  
**Management Board Meeting**  
**14:00-15:00 CET**

**Weblink:** <https://global.gotomeeting.com/join/503907253>

**Participants:** One (1) representative from each of the beneficiaries (European partners)

### Agenda

1. Important updates on the upcoming events
2. Scenario Design
3. Any other business
4. Next meetings
  - Management Board Meeting
    - Tuesday, February 4, 14:00 CEST (GoToMeeting link) (to be confirmed)

### Present on Call

1	Mikel Gonzalez	BC3
2	Ben McWilliams	Bruegel
3	Annela Anger-Kraavi	Cambridge
4	Ida Sognnæs	CICERO
5	Elisa Delpiazzi	CMCC
6	Lorenza Campagnolo	CMCC
7	Alessandro Chiodi (E4SMA)	E4SMA
8	Marc VIELLE	EPFL
9	Perdana Sigit Pria	EPFL
10	Jakob Wachsmuth	Fraunhofer ISI
11	Vangelis Marinakis	HOLISTIC
12	Zsolt Lengyel	IEECP
13	Alex Koberle	Imperial Grantham
14	Alecos Kelemenis	NTUA
15	Alexandros Nikas	NTUA
16	Haris Doukas	NTUA
17	Baptiste Boitier	SEURECO

### Minutes: Main issues discussed

Item	Description	Action	
		What	Who
1.	<ul style="list-style-type: none"> <li>The national workshop in Athens will take place next week. Two hundred participants are already registered. The working language will be Athens.</li> <li>One session with international partners in English. Different stakeholders are invited, for example groups opposed to wind</li> </ul>	Information will be shared with partners on the Kenya workshop	NTUA





	<p>power solutions and groups in favour and the aim is to have a constructive debate based on the Talanoa Dialogue.</p> <ul style="list-style-type: none"> <li>• All partners should organise similar national workshops in the next period.</li> <li>• Kenya workshop preparations are ongoing. Specific items in the agenda are being finalised. IEECP and Imperial will join. Keynote speakers from PR will participate in other sessions of the weekly events organised by the University of Mombasa.</li> <li>• NTUA, on behalf of the PARIS REINFORCE, is trying to be included in cooperation with the project EU-GCC Clean Energy Network in the main event of the Sustainable Energy Week in Brussels.</li> </ul>		
2.	<ul style="list-style-type: none"> <li>• CICERO presented the outcomes of the conclusions from the Brussels workshop and of the internal consortium discussion after the workshop.</li> </ul> <p>The presented scenarios are: Scenario 0: No Policy Baseline; Scenario 1: 'Beyond Policy' Forecast; Scenario 2: Towards net-zero; Scenario 3: Idealised PA pathways.</p> <p>Key topics discussed were:</p> <ul style="list-style-type: none"> <li>◦ The rationale behind the construction of the scenarios lies in taking stock of the stakeholders' concerns which were presented in Brussels in November 2019.</li> <li>◦ These scenarios can be adjusted in the future integrating other concerns which will be expressed through the stakeholders' engagement in the next period.</li> <li>◦ There is still need for discussion how the national circumstances and the national models can feed into the global models iterations which has been one of the key innovations of the PARIS REINFORCE.</li> <li>◦ The idea is that the modelling teams will have a flexibility to interpret the scenarios in their way and make decisions to run their models which can stimulate the discussion among teams but at the same time is important to work under the harmonisation principle and concept which will allow the comparison of the models' results, which is critical for PARIS REINFORCE. More discussion is needed to this end. We need to align with our Grant Agreement regarding the models inter-comparison approach.</li> <li>• This presentation can form the basis for further discussion in order to reach a consensus by the end of March 2020. When we reach a decision, we can circulate it to stakeholders for further filtering before the first iteration of the models.</li> <li>• A technical Consortium Call will be implemented and the modelling teams should come with ideas and clear positions on how they can accommodate the proposed scenarios. We can consider one of the scenarios as "PARIS REINFORCE" scenario.</li> </ul>	Based on the first presentation on the scenarios, the next Management Board meeting will focus on this topic with inputs from the modelling teams	Modelling teams, CICERO, NTUA



## 2.4 Agenda and minutes of the Management Board Meeting, February 11, 2020

**Tuesday, February 11<sup>th</sup>, 2020**

**Management Board Meeting**

**14:00-15:00 CET**

**Weblink:** <https://global.gotomeeting.com/join/503907253>

**Participants:** One (1) representative from each of the beneficiaries (European partners)

### Agenda

1. 1st Round of national workshops and regional workshops
2. Scenario Design
3. Any other business
4. Next meetings
  - Management Board Meeting
    - Tuesday, March 10, 14:00 CEST (GoToMeeting link) (to be confirmed)

### Present on Call

1	Mikel Gonzalez	BC3
2	Ben McWilliams	Bruegel
3	Annela Anger-Kraavi	Cambridge
4	Glen Peters	CICERO
5	Alessia Elia	CMCC
6	Lorenza Campagnolo	CMCC
7	Rocco De Miglio	E4SMA
8	Marc VIELLE	EPFL
9	Perdana Sigit Pria	EPFL
10	Jakob Wachsmuth	Fraunhofer ISI
11	Patrick Ploetz	Fraunhofer ISI
12	Vangelis Marinakis	HOLISTIC
13	Vaggelis Psarras	IEECP
14	Zsolt Lengyel	IEECP
15	Ajay Gambhir	Imperial Grantham
16	Alecos Kelemenis	NTUA
17	Alexandros Nikas	NTUA
18	Haris Doukas	NTUA
19	Baptiste Boitier	SEURECO

### Minutes: Main issues discussed

Item	Description	Action	
		What	Who
1.	• Original planning for first series: Begins in May and ends in September 2020.	Willingness, timeframe, and capacity of partners to organise national	NTUA with partners



	<ul style="list-style-type: none"> <li>• NTUA will follow-up with the partners to investigate who has (and who does not have) the capacity to organise national workshops, and support them.</li> <li>• Partners to come back to NTUA to declare their interest or non-availability to organise national workshops within the foreseen timeframe.</li> <li>• National Workshop in Athens: <ul style="list-style-type: none"> <li>◦ Co-organisation with two other institutes.</li> <li>◦ Participation exceeded our expectations, 500 participants thanks to the top priority issues discussed (e.g. clean energy versus biodiversity).</li> <li>◦ Representation of various groups of stakeholders, such as the Ministry of Energy, private sector, local authorities, biodiversity associations (CSOs).</li> <li>◦ There was open and honest dialogue based on Talanoa spirit.</li> <li>◦ We should create synergies with institutes which can stimulate the multi-stakeholder dialogue.</li> </ul> </li> <li>• Kenya workshop <ul style="list-style-type: none"> <li>◦ Partners are invited to join the workshop.</li> <li>◦ Imperial, BC3, IEECP have already confirmed their presence in the workshop.</li> <li>◦ The indicative agenda of the weekly Conference (in the frame of which the PR workshop will take place) will be shared with the partners.</li> <li>◦ If any of the partners is willing to deliver a presentation, they should inform NTUA so that we communicate this to the organisers.</li> </ul> </li> </ul>	workshops will be assessed and supported	NTUA and partners
2.	<ul style="list-style-type: none"> <li>• WP5 <ul style="list-style-type: none"> <li>◦ Suggestion of SEURECO: Internal workshop in March 2020 to organise the work of harmonisation of models. The partners in Italy are willing to host this workshop.</li> <li>◦ NTUA will make a request to the EU to have access to the necessary dataset so that it is used in the modelling process.</li> <li>◦ By January 18 the modelling teams need to present which are the models to be deployed in the first iteration and the timeframe, so that everyone is on the same page regarding project implementation.</li> </ul> </li> <li>• Scenario Design <ul style="list-style-type: none"> <li>◦ CICERO: Comments have been collected by partners. CICERO had internal discussion. NDC type, PARIS compliance type, policy type scenarios seem to qualify but yet this is not decided among the partners.</li> <li>◦ The scenarios/protocol as general picture to be finalised by the end of January and then the details can be further discussed, respecting the timeline of the project as regards the first iteration at global level.</li> <li>◦ We need to address the highly prioritised questions emerged from the Brussels workshop.</li> </ul> </li> <li>• Important events are coming in the next period (UNFCCC related event in June 2020) where we can/should reach out our Advisory Board members and communicate our work.</li> </ul>	<p>Dataset with the latest information to be requested to the EU</p> <p>Protocol for the deployment of the global models to be finalised by the end of January 2020</p> <p>WP5 related meeting to take place in March</p>	<p>NTUA</p> <p>CICERO and the modelling teams</p> <p>Partners in Italy and WP5 contributors</p>



## 2.5 Agenda and minutes of the Management Board Meeting, March 10, 2020

**Tuesday, March 10, 2020**  
**Management Board Meeting**  
**14:00-15:00 CET**

**Participants:** EU partners

### Agenda

1. Update on the project progress (completed, ongoing, and upcoming tasks and Deliverables)
  - WP2:
    - D2.3 Interactive map of models and tools
    - D2.4 I2AM PARIS platform
  - WP3:
    - Progress on the Stakeholder Council Database and
    - D3.4 Stakeholder Council Mapping, based on innovation dynamics
  - WP4: Next tasks and deliverables (D4.1 Socio-technical innovation system mapping)
  - WP5: Next tasks and deliverables (D5.2)
  - WP6: Next tasks and deliverables (D6.2)
  - WP7: Next tasks and deliverables (D7.2)
  - WP8: Project website, newsletters, communication material
2. Workshop in Kenya at 26 of March, planning
3. Update on scenario and modeling
4. Work package 5 workshop and meeting agenda

### Present on Call

1	Alevgul Sorman	BC3
2	Dirk-Jan van de Ven	BC3
3	Ester Galende	BC3
4	Jorge Moreno	BC3
5	Ben McWilliams	Bruegel
6	Annela Anger-Kraavi	Cambridge
7	Ida Sognnæs	CICERO
8	Glen Peters	CICERO
9	Lorenza Campagnolo	CMCC
10	Alessandro Chiodi	E4SMA
11	Gabriele Cassetti	E4SMA
12	Marc Vielle	EPFL
13	Perdana Sigit Pria	EPFL
14	Andrea Herbst	Fraunhofer ISI
15	Jakob Wachsmuth	Fraunhofer ISI
16	Vangelis Marinakis	HOLISTIC
17	Kathleen Vaillancourt	IEECP
18	Zsolt Lengyel	IEECP
	Ajay Gambhir	Imperial Grantham



19	Alecos Kelemenis	NTUA
20	Alexandros Nikas	NTUA
21	Haris Doukas	NTUA
22	Baptiste Boitier	SEURECO

**Minutes: Main issues discussed**

Item	Description	Action	
		What	Who
1.	<ul style="list-style-type: none"> <li>Greetings and short description of Agenda</li> <li>WP2: Update on platform development</li> <li>Harmonisation process results provide feedback on proceeding with platform development</li> <li>WP3: more than 3000 contents gathered and prepared for the first upload on next week</li> <li>D3.4: On track</li> <li>WP4: 5 case studies to be delivered. Greece case study ready about decarbonisation, UK and Germany soon to be delivered about 3 industrial areas.</li> <li>UK and German colleagues to review it</li> <li>Norway and Canada case study under development about transport</li> <li>WP5,6,7: Are well on track</li> <li>D6.2 Global scenario modelling needs EU members to incorporate current policies, latest technologies, socioeconomic etc. on their models. A memo will be sent</li> <li>WP9: Ethics related update but well on track</li> <li>WP8: Next newsletter in March and content updated</li> </ul>	<p>Upload of content</p> <p>Memo to be sent</p> <p>Newsletter issue in March</p>	<p>Bruegel</p> <p>Cambridge</p> <p>IEECP</p>
2.	<ul style="list-style-type: none"> <li>Workshop of Kenya physical presence to be cancelled</li> <li>Possible to participate through e-meeting</li> </ul>		
3.	<ul style="list-style-type: none"> <li>Global Scenario: Socioeconomic modelling includes harmonisation</li> <li>Post 2030 projection next item to work on</li> <li>Database on population and GDP to be shared</li> <li>Optimised harmonisation for cost related data</li> <li>Important technologies and cost projections to be used for scenarios</li> <li>Current policies to be represented in modeling</li> </ul>	Modelers to be asked to provide feedback by WP leaders	Modelling teams
4.	<ul style="list-style-type: none"> <li>Workshop about WP5 to be held</li> <li>Transition to Microsoft Teams for all upcoming meetings</li> <li>ECB survey presented to partners</li> </ul>	MB meeting to be arranged	NTUA



## 2.6 Agenda and minutes of the Management Board Meeting, March 31, 2020

**Tuesday, March 31<sup>st</sup>, 2020**  
**Management Board Meeting**  
**14:00-15:00 CET**

**Participants:** EU partners

### Agenda

1. COVID-19 pandemic and its effect on the PARIS REINFORCE project
2. Finalisation on scenario/socioeconomics aspects
3. Present current modeling process and progress - Deliverables

### Present on Call

1	Dirk-Jan van de Ven	BC3
2	Ester Galende	BC3
3	Jorge Moreno	BC3
4	Ben McWilliams	Bruegel
5	Annela Anger-Kraavi	Cambridge
6	Ida Sognnæs	CICERO
7	Glen Peters	CICERO
8	Lorenza Campagnolo	CMCC
9	Alessandro Chiodi	E4SMA
10	Maurizio Gargiulo	E4SMA
11	Marc Vielle	EPFL
12	Perdana Sigit Pria	EPFL
13	Jakob Wachsmuth	Fraunhofer ISI
14	Vangelis Marinakis	HOLISTIC
15	Zsolt Lengyel	IEECP
16	Ajay Gambhir	Imperial Grantham
17	Alexandros Nikas	NTUA
18	Haris Doukas	NTUA
19	Baptiste Boitier	SEURECO

### Minutes: Main issues discussed

Item	Description	Action	
		What	Who
1.	<ul style="list-style-type: none"> <li>Greetings and short description of Agenda, presentation of the new associates</li> <li>Mention on Project Officer's reference to force majeure</li> </ul>		





	<ul style="list-style-type: none"> <li>Reference to Kenya/Mombasa conference that is cancelled along with other meetings /workshops due to Covid-19</li> </ul>	<p>Modify the SSP – Post on website the COVID effect on project</p> <p>Post on the website how pandemic affected the project</p>	NTUA
2.	<ul style="list-style-type: none"> <li>Partners refer to Covid – 19 impact on project</li> <li>Social and economic aspects could be implemented in a model analyzing the impact of the pandemic on H2020 progress</li> <li>The impact could be present in the next decades</li> <li>The medical situation on various counties referring to the consortium were presented to all partners</li> <li>Important modification of the structure of external trade is expected by the end of crisis as projection show</li> <li>The way we consider our work will change</li> <li>A lot of aspects can be considered apart from the economic growth on the scenarios of Paris reinforce</li> <li>Scenarios should be updated to consider the possible impact of the pandemic in order to be more realistic</li> <li>Two ways suggested for action, Not Incorporate Covid-19 impacts or incorporate it as a complementary aspect under a hypothesis</li> <li>A note should be written to the project officer</li> <li>The data collected from the proposed survey should be used as a mapping on first reactions</li> <li>Dissemination to be affected by C19</li> <li>An option to be considered it to skip anything regarding the C19 and focus on the original scope</li> <li>Focusing on the main milestone is the only option</li> <li>Comparison with the current status under miner consideration</li> <li>A point to note some issues that might change under the current C19 situation is made</li> <li>Time plan can be affected due to people's access to workplaces especially for the modeling process</li> <li>Deadlines to be revised and communicated to the Project Officer</li> </ul>	<p>Specs to be created for a Survey on C19 impact</p>	NTUA
3.	<ul style="list-style-type: none"> <li>WP5: Modeling is focusing on getting the cost data ready</li> <li>WP5: Modeling teams are evolved in the interpretation of policies from the CD linked databases on power costs</li> <li>WP5: Transport and industry power costs added</li> </ul>	<p>Data on transport and industry cost to be circulated on the consortium</p>	



<ul style="list-style-type: none"><li>• WP5: TM cost databases considered</li><li>• WP5: Storyline to be detailed by sector for each model run</li><li>• WP7: Post 2030 assumptions are investigated</li><li>• WP7: Microeconomic conflicts from models</li><li>• WP7: setting up the model to 2030 will allow for experimenting on how different models react</li><li>• D4.2 deliverable on track for issue date of May</li><li>• The meeting concluded on setting new dates for the forthcoming modeling related meetings.</li></ul>		
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## 2.7 Agenda and minutes of the Management Board Meeting, May 5, 2020

**Tuesday, May 5, 2020**  
**Management Board Meeting**  
**14:00-15:00 CET**

Participants: EU partners

### Agenda

1. Update on the project progress (completed, ongoing, and upcoming tasks and Deliverables)
  - WP2
    - D2.4 I2AM PARIS platform
  - WP3:
    - Progress on the Stakeholder Council Database and
    - D3.4 Stakeholder Council Mapping
  - WP4
    - D4.1 Socio-technical innovation system mapping
  - WP5
    - D5.2 Interlinkages of national/regional level models for Europe with the I2AM PARIS platform
  - WP6
    - D6.2 Interlinkages of national/regional models for countries outside Europe with I2AM PARIS
  - WP7
    - D7.2 Interlinkages of global IAMs with the I2AM PARIS platform
  - WP8
    - D8.3 Project communication, dissemination & exploitation plan - Update 1
  - WP9
    - D9.4 GEN - Requirement No. 6
2. Harmonisation progress
3. Timeline for modelling

### Present on Call

1	Lorenza Campagnolo	CMCC
2	Alessandro Chiodi	E4SMA
3	Maurizio Gargiulo	E4SMA
4	Glen Peters	CICERO
5	Ida Sognnæs	CICERO
6	Perdana Sigit Pria	EPFL
7	Marc Vielle	EPFL
8	Baptiste Boitier	SEURECO
9	Alexandros Nikas	NTUA
10	Haris Doukas	NTUA
11	Alecos Kelemenis	NTUA
12	Zsolt Lengyel	IEECP



### Minutes: Main issues discussed



## 2.8 Agenda and minutes of the Management Board Meeting, June 2, 2020

**Tuesday, June 2, 2020**  
**Management Board Meeting**  
**14:00-15:00 CET**

Participants: EU partners

### Agenda

1. Discussion on modelling based on TIAM

### Present on Call

1	Dirk-Jan van de Ven	BC3
2	Jorge Moreno	BC3
3	Annela Anger-Kraavi	Cambridge
4	Glen Peters	CICERO
5	Ida Sognnæs	CICERO
6	Elisa Delpiazzi	CMCC
7	Lorenza Campagnolo	CMCC
8	Marc VIELLE	EPFL
9	Ajay Gambhir	Imperial Grantham
10	Sara Giarola	Imperial Grantham
11	Alex Koberle	Imperial Grantham
12	Alexandros Nikas	NTUA
13	Haris Doukas	NTUA
14	Baptiste Boitier	SEURECO

### Minutes: Main issues discussed

Item	Description	Action	
		What	Who
1.	<p>Quick description of what Imperial are doing about the post-policy period in TIAM. They use the equivalent carbon pricing method. They have to run the model twice in order to get the full scenario run.</p> <p>1) They implement the policies (CurPol, NDCs) as exogenous user constraints on the model.</p> <p>2) They run the model and extract the implicit carbon price in the year of interest (2030 in this case), grow it with regional GDP, so they end up with regionally differentiated carbon prices to get varying policy strength by region.</p>	<p>If your (modelling teams') model does not output implicit carbon prices, it can also be found by running the model with policy, finding emissions reduction, then finding a carbon price that provides an equivalent reduction, and then extrapolate that with GDP growth</p> <p>Run the model again with the extrapolated carbon pricing post-2030 to get the full scenario run.</p>	Modelling teams



## 2.9 Agenda and minutes of the Consortium Call, June 9, 2020

**Tuesday, June 9, 2020**

**Consortium Call**

**14:00-15:00 CET**

Participants: All partners

### Agenda

1. Progress in modelling runs
2. Discussion on COVID-19 event organised by the EC for Wednesday June 17
3. Progress on the upcoming deliverables

### Present on Call

1	Dirk-Jan van de Ven	BC3
2	Alevgul Sorman	BC3
3	Jorge Moreno	BC3
4	Ester Galende Sanchez	BC3
5	Ben McWilliams	Bruegel
6	Daniel Mayer	Bruegel
7	Lorenza Campagnolo	CMCC
8	Alessandro Chiodi	E4SMA
9	Rocco De Miglio	E4SMA
10	Maurizio Gargiulo	E4SMA
11	Glen Peters	CICERO
12	Ida Sognnæs	CICERO
13	Perdana Sigit Pria	EPFL
14	Marc Vielle	EPFL
15	Baptiste Boitier	SEURECO
16	Alexandros Nikas	NTUA
17	Haris Doukas	NTUA
18	Konstantinos Koasidis	NTUA
19	Zsolt Lengyel	IEECP
20	Ajay Gambhir	Imperial Grantham
21	Sara Giarola	Imperial Grantham
22	Annela Anger-Kraavi	Cambridge
23	Andrea Herbst	Fraunhofer ISI
24	Jakob Wachsmuth	Fraunhofer ISI

### Minutes: Main issues discussed

Item	Description	Action	
		What	Who





1.	<ul style="list-style-type: none"> <li>• Quick description of where each global model run stands by BC3 and CICERO</li> <li>• Harmonisation has been completed from BC3 and the modelling teams have clear instructions for their inputs</li> <li>• Some delays from Cambridge</li> <li>• Delays for non-EU modelling runs</li> <li>• Discussion on the scenarios ongoing</li> <li>• Timeline: By end of June for the NDC and current policy scenarios and European models runs</li> <li>• Match-funding from international partners still missing. Impact on the modelling runs for Brazil, India, and Japan,</li> </ul>	<ul style="list-style-type: none"> <li>• Be in touch with the modelling teams to provide them with necessary guidance</li> </ul>	WP Leaders of 5, 6, and 7
2.	<ul style="list-style-type: none"> <li>• Discussions have been initiated by our consortium on what our models can do to take into account the current situation, integrating various dimensions such as the timing of the recovery</li> <li>• Other sister projects have not shared clear indication on how they will deal with COVID-19</li> </ul>	<ul style="list-style-type: none"> <li>• To prepare our ideas to present during the event and share. We need to have 2-3 slides on the short-term contribution of our project as response to COVID-19 and implications of COVID-19 on our work in general</li> </ul>	Modelling teams
3.	<ul style="list-style-type: none"> <li>• All the deliverables with due date in end-May have been submitted on time but they will be updated in due time (until the end of September) – D3.4, and D5.2, D6.2, D7.2</li> <li>• Platform is finalised and we try to bring on board other models outside our consortium</li> <li>• CDE Plan update is on track</li> </ul>		



## 2.10 Agenda and minutes of the Management Board Meeting, June 23, 2020

**Tuesday, June 23, 2020**  
**Management Board Meeting**  
**14:00-15:00 CET**

Participants: EU partners

Agenda

1. Progress in global modelling run

### Present on Call

1	Dirk-Jan van de Ven	BC3
2	Jorge Moreno	BC3
3	Elisa Delpiazzi	CMCC
4	Lorenza Campagnolo	CMCC
5	Alessandro Chiodi	E4SMA
6	Gabriele Cassetti	E4SMA
7	Maurizio Gargiulo	E4SMA
8	Glen Peters	CICERO
9	Ida Sognnæs	CICERO
10	Perdana Sigit Pria	EPFL
11	Marc Vielle	EPFL
12	Baptiste Boitier	SEURECO
13	Alexandros Nikas	NTUA
14	Haris Doukas	NTUA
15	Alecos Kelemenis	NTUA
16	Ajay Gambhir	Imperial Grantham
17	Sara Giarola	Imperial Grantham
18	Adam Hawkes	Imperial Grantham
19	Shivika Mittal	Imperial Grantham
20	Annela Anger-Kraavi	Cambridge
21	Andrea Herbst	Fraunhofer ISI
22	Jakob Wachsmuth	Fraunhofer ISI
23	Patrick Ploetz	Fraunhofer ISI

### Minutes: Main issues discussed

Item	Description	Action
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The PARIS REINFORCE project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under grant agreement No 820846.

		What	Who
1.	<ul style="list-style-type: none"> <li>• MUSE and TIAM are well on track, with TIAM currently exploring soft links with PIK's MAGPIE to improve land use CO2 representation.</li> <li>• E3ME still pending subcontracting, so no progress there yet.</li> <li>• GCAM is well on track; waiting for Imperial's input to finalise policy harmonisation, pausing to see how to model non-target (or expired) CP, to resume after the call</li> <li>• ICES is on the CP modelling stage</li> <li>• GEMINI-E3 on track, using unconditional INDC at the data level, and in line with CD-Links, post-2030 protocol works (not straight from CD-Links, different type of model, translating some targets in technical progress)</li> <li>• JRC-EU-TIMES on track, covering only CO2 from energy, other</li> <li>• ALADIN and FORECAST on track, currently working on CP and NDC implementation (CP without continued effort is clear, with continued effort is challenging so Fraunhofer ISI will be translating targets into sectoral ones)</li> <li>• NEMESIS on track (slightly delayed), currently working on calibration with BC3's GDP projections (CP scenario in two weeks)</li> </ul>	<ul style="list-style-type: none"> <li>• For those countries with conditional and unconditional targets in NDCs, we will be using unconditional ones.</li> <li>• For those countries with a range of targets, we will be using the lower end.</li> <li>• There is no strict/formalised protocol to model every single policy. Imperial have shared some guidance on how they implemented policies based on the CD-Links database. Modelling teams can use their imagination and their model's capabilities to their benefit to model policies that are not as straightforward to include in their model. And this is part of the "allowed" and necessary flexibility.</li> <li>• Regarding policy status in the CD-Links database, there is some concern over the extent to which these are fairly up to date. Ajay will be sharing how MUSE and TIAM interpreted CP from CD-Links with WP6 groups and asking them to identify any gaps between the database and more updated policies. That shall cover major emitters, or at least some of them (China, USA, Russia) and we can see how best to support this process for other major emitting countries (like Japan, Brazil, India, and so on).</li> <li>• There are policies close to expiration way earlier than 2030 (e.g. a RES target for 2022): we do not extend as targets (maybe some minimum utilisation factor so that it stays meaningful). This falls upon the "flexibility" of modelling teams to model these policies: the CD-Links is a starting point.</li> <li>• There are countries with no CP/2030 targets, so the two suggestions were (please record what you did in your model for each case): <ul style="list-style-type: none"> <li>○ For zero carbon prices, we use a carbon price of 1 to extrapolate with the GDP growth rate.</li> <li>○ Take the average of nearby countries: this is a bit strange because this implies imposing a non-existent policy, but it could be helpful for countries covered as part of an aggregated region.</li> </ul> </li> <li>• We will be using a learning-by-doing approach, so after the first run we will know what worked well (especially with regard to policy) and what not.</li> <li>• EU (WP5-internal discussions ongoing, but so far): <ul style="list-style-type: none"> <li>○ NDC: 40% cuts by 2030, then extrapolate carbon price based on GDP growth</li> <li>○ CP: 40%+ cuts (could be stronger than NDC)</li> </ul> </li> <li>• For the time being, no meaning in changing prices or other assumptions in between scenarios/runs.</li> </ul>	Modelling teams

## 2.11 Agenda and minutes of the Management Board Meeting, July 7, 2020

**Tuesday, July 7, 2020**  
**Management Board Meeting**  
**14:00-15:00 CET**

Participants: EU partners

### Agenda

1. Discussion on the modelling roadmap to guide the first global modelling round

<b>Present on Call</b>		
1	Dirk-Jan van de Ven	BC3
2	Jorge Moreno	BC3
3	Elisa Delpiazzi	CMCC
4	Lorenza Campagnolo	CMCC
5	Gabriele Cassetti	E4SMA
6	Alessandro Chiodi	E4SMA
7	Rocco De Miglio	E4SMA
8	Maurizio Gargiulo	E4SMA
9	Alessia Elia	E4SMA
10	Glen Peters	CICERO
11	Ida Sognnæs	CICERO
12	Perdana Sigit Pria	EPFL
13	Marc Vielle	EPFL
14	Baptiste Boitier	SEURECO
15	Kathleen Vaillancourt	IEECP
16	Ajay Gambhir	Imperial Grantham
17	Sara Giarola	Imperial Grantham
18	Adam Hawkes	Imperial Grantham
19	Alexandre Koberle	Imperial Grantham
20	Shivika Mittal	Imperial Grantham
21	Joeri Rogelj	Imperial Grantham
22	Annela Anger-Kraavi	Cambridge
23	Andrea Herbst	Fraunhofer ISI
24	Jakob Wachsmuth	Fraunhofer ISI
25	Patrick Ploetz	Fraunhofer ISI
26	Andrey Kolpakov	IEF-RAS



**Minutes: Main issues discussed**

Item	Description	Action	
		What	Who
1.	<ul style="list-style-type: none"> <li>Inclusion of the list of options in the roadmap, explicitly spelling out the two “bare minimum” ones, asking partners to try to do all of these options but starting with the (let’s say) mandatory two ones before moving onto exploring the other ones, to see how far each modelling team can go given the time constraints.</li> <li>This would be a more comprehensive list:               <ol style="list-style-type: none"> <li>Carbon prices                   <ol style="list-style-type: none"> <li>Flatlining from 2030</li> <li>Increasing value in 2030 with GDP (i.e. flatlining carbon price/GDP from 2030).</li> <li>Increasing value in 2030 with discount rate (i.e. flatlining NPV).</li> <li>Increasing value at the rate implied by NDCs and CP in 2020-2030, i.e. “constantly increasing effort” (avoiding discontinuity in trend at 2030), i.e. the Fawcett et al. approach but on carbon price.</li> </ol> </li> <li>Emissions intensity reductions                   <ol style="list-style-type: none"> <li>flatlining from 2030, and</li> <li>continuing rate implied by NDC/CP in 2020-2030 into the future (the Fawcett et al. approach).</li> </ol> </li> <li>Emissions reductions (%)                   <ol style="list-style-type: none"> <li>Something representing a leveling out of ambition in 2030, and</li> <li>a continuation of increasing ambition implied by NDC/CP in 2020-2030.</li> </ol> </li> </ol> </li> </ul>	To finalise the roadmap by the end of July	BC3



## 2.12 Agenda and minutes of the Management Board Meeting, July 21, 2020

**Tuesday, July 21, 2020**  
**Management Board Meeting**  
**14:00-15:00 CET**

Participants: EU partners

### Agenda

1. Progress in global modelling run
2. 1st round national Workshops – Locations, timeframe, capacity
3. PARIS REINFORCE and COVID-19 in modelling
4. Follow-up on the preliminary deliverables submitted and progress of the upcoming deliverables and milestones
5. AOB

### Present on Call

1	Lorenza Campagnolo	CMCC
2	Alessandro Chiodi	E4SMA
3	Maurizio Gargiulo	E4SMA
4	Glen Peters	CICERO
5	Ida Sognnæs	CICERO
6	Perdana Sigit Pria	EPFL
7	Marc Vielle	EPFL
8	Vangelis Marinakis	HOLISTIC
9	Baptiste Boitier	SEURECO
10	Alexandros Nikas	NTUA
11	Haris Doukas	NTUA
12	Alecos Kelemenis	NTUA
13	Zsolt Lengyel	IEECP
14	Vaggelis Psaras	IEECP
15	Ajay Gambhir	Imperial Grantham
16	Sara Giarola	Imperial Grantham
17	Alexandre Koberle	Imperial Grantham
18	Annela Anger-Kraavi	Cambridge
19	Andrea Herbst	Fraunhofer ISI
20	Jakob Wachsmuth	Fraunhofer ISI





**Minutes: Main issues discussed**

Item	Description	Action	
		What	Who
1.	<ul style="list-style-type: none"> <li>Although under a tight schedule, PARIS REINFORCE modelling is underway during a busy summertime. The WP7 modelling roadmap is ready and has been shared with partners. In order to proceed with the first modelling activities all modelling teams are expected to proceed with NDC runs until 2030 and apply the first two selected methods for post-2030 extrapolation of climate ambition.</li> </ul>		
2.	<ul style="list-style-type: none"> <li>COVID-19 has impacted PARIS REINFORCE in multiple ways, stalling the submission of deliverables and most importantly not allowing the organisation of physical national workshops as envisaged. As already discussed, PARIS REINFORCE for the foreseeable future transfers stakeholder engagement activities to the virtual domain. This means that we should be able to successfully organise a series of national workshops, starting late September and until early November, as well as a regional workshop, ideally by mid-November.</li> </ul>	<ul style="list-style-type: none"> <li>Partners with the capacity to organise virtual national workshops in autumn to express their interest and present their plans to NTUA</li> </ul>	All partners
3.	<ul style="list-style-type: none"> <li>The indicative timeline of PARIS REINFORCE modelling response to COVID19-related requests from the EC has been submitted to our supervising Project Officers, as a follow-up from the DG call on June 17</li> </ul>		
4.	<ul style="list-style-type: none"> <li>D2.4, D3.4, D4.1, D8.3, D9.4, D5.2, D6.2, and D7.2 were submitted on time.</li> <li>D4.1, D5.2, D6.2, and D7.2: Revised versions should be ready for review by early September, to be resubmitted by end of September</li> </ul>		
5.	<ul style="list-style-type: none"> <li>IEECP is preparing the July 2020 issue of the PARIS REINFORCE newsletter</li> </ul>	Send to IEECP any news regarding the progress that the partners have done in relation to the project and they believe that it should be promoted in the newsletter (e.g. participation and presentation of the project in events, scientific publications, commentaries, blog posts, media articles, etc.)	All partners



## 2.13 Agenda and minutes of the Management Board Meeting, September 8, 2020

**Tuesday, September 8, 2020**  
**Management Board Meeting**  
**14:00-15:00 CET**

**Participants:** EU partners

### Agenda

1. Update on the project progress (completed, ongoing, and upcoming tasks and Deliverables)
  - WP2
    - I<sup>2</sup>AM 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 I<sup>2</sup>AM PARIS platform (BC3)
  - WP6
    - D6.2R Interlinkages of national/regional models for countries outside Europe with I<sup>2</sup>AM PARIS (Imperial)
  - WP7
    - D7.2R Interlinkages of global IAMs with the I<sup>2</sup>AM 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. 2020 (M16-M19) deliverables and review planning – NTUA
3. 1<sup>st</sup> 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	Alessia Elia	E4SMA
2	Alessandro Chiodi	E4SMA
3	Gabriele Cassetti	E4SMA
4	Maurizio Gargiulo	E4SMA
5	Lucia Perugini	CMCC



6	Glen Peters	CICERO
7	Erlend Hermansen	CICERO
8	Ida Sognnæs	CICERO
9	Perdana Sigit Pria	EPFL
10	Marc Vielle	EPFL
11	Philippe Thalmann	EPFL
12	Baptiste Boitier	SEURECO
13	Arnaud Fougeyrollas	SEURECO
14	Alexandros Nikas	NTUA
15	Haris Doukas	NTUA
16	Alecos Kelemenis	NTUA
17	Anastasios Karamaneas	NTUA
18	Ajay Gambhir	Imperial Grantham
19	Sara Giarola	Imperial Grantham
20	Adam Hawkes	Imperial Grantham
21	Shivika Mittal	Imperial Grantham
22	Alexandre Koberle	Imperial Grantham
23	Annela Anger-Kraavi	Cambridge
24	Andrea Herbst	Fraunhofer ISI
25	Jakob Wachsmuth	Fraunhofer ISI
26	Vangelis Marinakis	HOLISTIC
27	Ben McWilliams	Bruegel
28	Zsolt Lengyel	IEECP
29	George Stravodimos	IEECP

### Minutes: Main issues discussed

Item	Description	Action	
		What	Who
1.	<ul style="list-style-type: none"> <li>Greetings and short description of Agenda, presentation of the new associates</li> <li>WP7 IPCC format outputs checked, and 4/7 IPCC formats received, first results are running</li> <li>D7.3 on stakeholder capacity submitted and on track</li> <li>D7.2 and D7.4 are delayed</li> <li>WP2 harmonisation table / heatmap / work in progress due to more specs introduced.</li> <li>WP3 under revision, to be extended with further analysis. Twitter Data analysed and network analysis occurred, with interesting results</li> <li>WP4 well on track for D4.1 revised version</li> <li>WP5 is on track</li> <li>WP6 is on track</li> </ul>	<p>To be reviewed by November</p> <p>Deadline to be moved to September</p> <p>2' animation video to be created presenting the platform</p> <p>Requests on review of the extend of impact</p> <p>D5.2 to be revised by next week</p> <p>D6.2 minimum updates</p>	<p>NTUA</p> <p>HOLISTIC</p> <p>BC3</p> <p>Imperial and SEURECO</p>



	<ul style="list-style-type: none"> <li>WP8 is on track</li> </ul>		
2.	2020 (M16-M19) deliverables and review planning	Partners to send review requests and NTUA to assign	NTUA
3.	1st global modelling runs progress: regional mapping is required for different models	Results of first runs will be discussed on proceeding meeting	Cambridge team
4.	People involved (researchers and otherwise)	Request on update by email through template	NTUA
5.	Workshops planning – Bruegel	Online workshop option to be investigated	Buregel, NTUA
6.	Future meeting planning	10/9 WP5 internal meet. 11/9/2020 Platform meet. 14/9/2020 Global Modelling meet.	



## 2.14 Agenda and minutes of the Management Board Meeting, October 20, 2020

**Tuesday, October 20, 2020**  
**Management Board Meeting**  
**14:00-15:00 CET**

**Participants:** EU partners

### Agenda

1. Update on the project progress (completed, ongoing, and upcoming tasks and Deliverables)
  - WP1
    - D1.3 Report on Project and Advisory Board Meetings - Update 1
  - WP2
    - I2AM PARIS updates
  - WP3
    - D3.4R Stakeholder Council Mapping (Bruegel)
    - D3.5 Proceedings of the 2nd regional EU workshop (Bruegel)
  - WP4
    - D4.1R Socio-technical innovation system mapping (NTUA)
    - D4.2 First portfolio analysis of technological and policy mixes (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)
    - D7.5 Report on the co-design of PA-compliant scenarios (Cambridge) – see below
  - WP8
    - D8.7 Data management Plan – Update 1 (IEECP)
    - D8.9 Infographics, videos and publications aimed at policymakers and stakeholders (HOLISTIC)
    - D8.11 Report on scientific publications (NTUA)
    - D8.15 Report on coordination and synergies (NTUA)
  - WP9
2. First thoughts on the potential of project extension due to COVID-19
3. D7.5: Report on the co-design of PA-compliant scenarios (Cambridge)
4. M18 – Interim Report preparation process
5. 1st global modelling runs progress – CICERO, Imperial, BC3, Cambridge
6. Zenodo Requests on postprints and datasets - NTUA
7. Workshops planning – Oct (Kenya), Nov (India, Brussels), Dec (CAC)
8. Any other business



**Present on Call**

1	Alexandros Nikas	NTUA
2	Rocco De Miglio	E4SMA
3	A. Anger Kraavi	Cambridge
4	Haris Doukas	NTUA
5	Hannah Parris	Cambridge
6	Elisa Delpiazzi	CMCC
7	Alecos Kelemenis	NTUA
8	Jakob Wachsmuth	Fraunhofer ISI
9	George Stravodimos	IEECP
10	Fillippos Serepas	HOLISTIC
11	Alessandro Chiodi	E4SMA
12	Baptiste Boitier	SEURECO
13	Marc Vielle	EPFL
14	Zsolt Lengyel	IEECP
15	Maurizio Gargiulo	E4SMA
16	Alevgul Sorman	BC3
17	Jorge Moreno	BC3
18	Ajay Gambhir	Imperial Grantham
19	Dirk-Jan Van de Ven	BC3
20	Chris Petkidis	NTUA
21	Ben McWilliams	Bruegel
22	Ida Sognnæs	CICERO
23	Mikel Gonzalez-Eguino	BC3
24	Ester Galende	BC3
25	Gabriele Cassetti	E4SMA

**Minutes: Main issues discussed**

Item	Description	Action	
		What	Who
1.	<ul style="list-style-type: none"> <li>Greetings and short description of Agenda, presentation of new associates and the importance of review meeting to come</li> <li>New colleagues presented themselves</li> <li>Haris Doukas informed the MB that any extensions to be considered should be completed before the end of M18 and the issue of the interim report</li> <li>WP7 An extension was requested for D7.5 3-4 months</li> <li>Stakeholder engagement required for D7.5</li> <li>Alexandros commented that we must discuss whether an extension on D7.5 qualifies as an extension of the whole project</li> <li>Alexandros informed the MB on Commission's guidelines on extensions</li> <li>Stakeholder engagement was supposed to have taken place during the regional workshop and we should be in position to start drafting our mitigation towards Paris agreement scenarios</li> <li>Doukas emphasised the importance of drawing a specific plan on how to handle D7.5 as per stakeholder engagement and the various events and carrying it out promptly</li> <li>WP7 D7.2 finalised and uploaded in beginning of October</li> </ul>	All partners will be informed and an open discussion on this plan will be held on next PM	NTUA



	<ul style="list-style-type: none"> <li>• WP6 D6.2 finalised and uploaded in beginning of October</li> <li>• WP5 D5.2 finalised and uploaded in beginning of October</li> <li>• WP3 D3.4 also finished and uploaded in October</li> <li>• WP7 D7.3 written and ready for review</li> <li>• WP7 D7.4 will be ready by mid-November – report on model comparison accompanied by two Papers – High degree of harmonisation applied on our analysis</li> <li>• WP1 D1.3 on track and updated</li> <li>• WP2 on track, no deliverables pending. IAM platform to be ready ahead of schedule for preliminary views</li> <li>• WP3 D3.2 and D3.5 revised updated and submitted</li> <li>• EU workshop to take place by mid or late November, possible dates discussed</li> <li>• WP4 D4.1 update to be included since added features will be included and specifically extra cases about Brazil and Argentina. By end of October to be finalised and submitted by end November</li> <li>• WP4 D4.2 1<sup>st</sup> portfolio analysis – close to being finalised</li> <li>• WP8 D8.7 – Data management plan is well on track and updated as per 1<sup>st</sup> version submitted earlier.</li> <li>• WP8 D8.9 is well on track more content to be included</li> <li>• WP8 D8.11 well on track and uploaded on Zenodo</li> <li>• WP9 well on track</li> </ul>	<p>Send for review</p> <p>Harmonisation tables to be uploaded on IAM</p>	<p>NTUA</p> <p>Holistic, BC3, NTUA</p>
2.	<ul style="list-style-type: none"> <li>• First thoughts on the potential of project extension due to COVID-19 covered on the beginning of the meeting on part 1</li> </ul>		
3.	<ul style="list-style-type: none"> <li>• D7.5: Report on the co-design of PA-compliant scenarios covered on the beginning of the meeting on part 1</li> </ul>	Suggestions by the end of week on the requested Delay	All involved
4.	<ul style="list-style-type: none"> <li>• WP leaders will prepare reports on actions up to M18 so that interim report is assembled, written, and issued</li> <li>• Financial Reporting to follow up as well</li> </ul>	Guidance on actions along with examples will be sent	NTUA
5.	<ul style="list-style-type: none"> <li>• 1st global modelling runs progress were presented by partners.</li> <li>• Global reference scenarios affected by COVID19 and are stuck a bit behind</li> <li>• Below 2 degrees and 1,5 degrees scenarios next to focus on</li> <li>• Presenters focused mainly on Paris compliance scenarios</li> <li>• Deadline of October 16 extended slightly</li> </ul>	Within the next month all global modelling groups will have submitted the final runs and data	CICERO to receive data and prepare scenario paper
6.	<ul style="list-style-type: none"> <li>• Requests on papers, postprints and datasets are well on track and being uploaded on Zenodo</li> </ul>		
7.	<ul style="list-style-type: none"> <li>• Next workshop on schedule is in Kenya on October 28 in collaboration with TUM and Netfund project</li> <li>• Stakeholders to engage actively on the event and provide data</li> <li>• India closed workshop to follow on November 3</li> <li>• EU workshop to be carried out soon after around mid November</li> <li>• Central Asia Caspian Workshop to take place probably early December</li> </ul>		





## 2.15 Agenda and minutes of the 3<sup>rd</sup> Project Meeting, November 24, 2020

Tuesday, November 24, 2020

3<sup>rd</sup> Project Meeting

10:00-15:00 CET

**Participants:** All partners, SAB, Project Advisor

### Agenda

- 10:00 – 10:15 **Welcome notes & update on reporting**  
Objectives of the meeting; few words on technical and financial reports
- 10:15 – 10:30 **WP1: Project Management**  
*Haris Doukas, Alexandros Nikas (National Technical University of Athens)*  
Reflection and insights from first 18 months. Discussion on risks/challenges.
- 10:30 – 11:00 **WP2: The I<sup>2</sup>AM PARIS Platform**  
*Alevgul Sorman, Ester Galende (Basque Centre for Climate Change)*  
*Stavros Skolidakis, Alexandros Nikas (National Technical University of Athens)*  
Progress; integration of modelling inputs/outputs; public interface; next steps
- 11:00 – 11:10 **Tea & Coffee break**
- 11:10 – 12:00 **WP3: Stakeholder engagement**  
*Georg Zachmann, Daniel Mayer, Ben McWilliams (Bruegel)*  
Insights into stakeholder engagement so far; groundwork for Brussels regional workshop; timeline for next national workshops
- 12:00 – 12:30 **Lunch break**
- 12:30 – 13:00 **WP4: Socio-technical angle & robustness of modelling results**  
*Alexandros Nikas, Konstantinos Koasidis, Hera Neofytou (National Technical University Athens)*  
*Jakob Wachsmuth (Fraunhofer ISI)*  
Socio-technical analysis (Greece; UK, Germany; Norway, Canada; Brazil, Argentina)  
Progress in multi-criteria analysis (Global, toolset, Brussels, Kenya, India)  
Modelling requirements for portfolio analysis  
Progress/next steps for index decomposition analysis
- 13:00 – 13:20 **WP5: Modelling in Europe**  
*Baptiste Boitier (SEURECO)*  
Inter-comparisons, challenges, risks, and next steps
- 13:20 – 13:30 **Tea & Coffee break**
- 13:30 – 13:50 **WP6: Modelling outside Europe**



*Ajay Gambhir (Imperial College London, Grantham)*  
Modelling analyses, challenges, risks, and next steps

13:50 – 14:25 **WP7: Global modelling, inter-comparisons**

*Annela Anger-Kraavi (Cambridge)*  
*Ida Sognnaes, Glen Peters (CICERO)*  
*Sara Giarola, Ajay Gambhir (Imperial College London, Grantham)*  
Presentation of findings from global runs and inter-comparison  
State of harmonisation across modelling teams  
Discussion of progress and next steps

14:25 – 14:40 **WP8: Communication, Dissemination, & Exploitation**

*Zsolt Lengyel (Institute for European Energy and Climate Policy)*  
KPIs: progress and next steps; DOs and DON'Ts

14:40 – 15:00 **Discussion with SAB Members / Wrap-up**

Feedback, expectations from project, advice

**Present on Call**

1	Alessandro Chiodi	E4SMA
2	Alessia Elia	E4SMA
3	Alevgul Sorman	BC3
4	Alexandros Nikas	NTUA
5	Anastasios Karamaneas	NTUA
6	Andrey Kolpakov	IEF-RAS
7	Annela Anger Kraavi	Cambridge
8	Baptiste Boitier	SEURECO
9	Ben McWilliams	Bruegel
10	Ben McWilliams	Bruegel
11	Daniel Mayer	Bruegel
12	Dirk-Jan van de Ven	BC3
13	Erlend Andre T. Hermansen	CICERO
14	Ester Galende	BC3
15	Fillippos Serepas	NTUA
16	Frederik Accoe	EASME (Project Advisor)
17	Gabriele Cassetti	E4SMA
18	Ajay Gambhir	Imperial Grantham
19	Georg Zachmann	Bruegel
20	George Stravodimos	IEECP
21	Sara Giarola	Imperial Grantham
22	Glen Peters	CICERO
23	Hannah Parris	Cambridge
24	Haris Doukas	NTUA
25	Adam Hawkes	Imperial Grantham
26	Andrea Herbst	Fraunhofer ISI
27	Ida Sognnæs	CICERO



28	Kathleen Vaillancourt	IEECP
29	Alexandre Koberle	Imperial Grantham
30	Konstantinos Koasidis	NTUA
31	Lorenza Campagnolo	CMCC
32	Lucia Perugini	CMCC
33	Marc Vielle	EPFL
34	Maria R. Russo	Cambridge
35	Maurizio Gargiulo	E4SMA
36	Mikel Gonzalez-Eguino	BC3
37	Shivika Mittal	Imperial Grantham
38	Mohsen A. Jafari, Prof.	Rutgers University (SAB)
39	Jorge Moreno	BC3
40	Paul Zagamé	SEURECO
41	Rocco De Miglio	E4SMA
42	Joeri Rogelj	Imperial Grantham
43	Sigit Perdana	EPFL
44	Stavros Skolidakis	NTUA
45	Tom Schraepen	Bruegel
46	Jakob Wachsmuth	Fraunhofer ISI
47	Zsolt Lengyel	IEECP

#### Minutes: Main issues discussed

Item	Description
1.	<ul style="list-style-type: none"> <li>Greetings and short description of agenda, along with introducing Project Officer by Haris Doukas. Special Reference to Periodic Report for the M18 conclusion.</li> <li>Doukas continued with the presentation of <b>WP1</b>. A summary of the Administration contract with EU was presented. All tasks are well on track. Internal communication, coordination and risk/quality management was referred, Deliverable progress followed.</li> <li>The Scientific Advisory Board was presented right after</li> <li>KPI's on policy impact challenges followed with Doukas emphasising the support to EU policymakers and the EU, NDC's.</li> <li>Second Regional Workshop and national workshops to be delayed along with one survey due to pandemic.</li> <li>Alexandros Nikas continued with the KPI's particularities. He referred to the technical report, which is on track</li> <li>In general, the project is overperforming with high impact and multiple papers being published (over 22) along with multiple newsletters, Platform KPI's are met in full as well.</li> <li>Main challenges so far are the low number of conferences due to Covid-19 pandemic causing disruptions and the level of international partners' participation.</li> <li>Online workshops are carried out.</li> <li>Doukas commented that the Operational Research conference for EU of 2021 will be hosted in Greece. Sessions about climate policy/models and interfaces are secured. Over 2000 participants expected. This will allow to cover for the KPI of conferences.</li> <li>Infographics are being released as well</li> <li>Interim Report was next subject in line, which is well on track as well</li> <li>Frederic Accoe (Project Advisor) intervened at this point and noted the importance of feedback for the periodic report and clarified all technical details on the periodic report.</li> <li>Frederic proposed to set a meeting for early February on Periodic Report Review</li> <li>The project officer also noted the importance to declare any changes or delays the soonest possible for the consortium and the management to be able to address them early.</li> <li>The importance of the financial report was noted since it is the end of year.</li> <li>Deliverable delay or extension is an option for up to 6 months due to the Covid-19 pandemic.</li> <li>Policy briefs should be communicated to policymakers</li> </ul>



2.	<ul style="list-style-type: none"> <li>• Alevgul Solman from BC3 continued with the presentation on <b>WP2</b> and the I2AM PARIS platform. The platform integration is well on track with multiple features already online.</li> <li>• The most important issue is bridging the gap between scientists and stakeholders.</li> <li>• The design decided is a dual one with different interfaces for public and more advanced use, with the two of them sharing common elements.</li> <li>• An extended presentation on the various elements of the platform followed</li> <li>• Special mention was given on the dynamic documentation, modelling and the data libraries.</li> <li>• An overview of harmonisation heatmaps was presented by Stavros Skolidakis.</li> <li>• Analysis results and the advanced scientific module prototype were presented</li> <li>• Features of the ASM already deployed</li> <li>• The modelers' next goal is to develop a mechanism that excludes un-combinable options among models, scenarios, regions and variables</li> <li>• A short discussion was held after the coffee break about the Advanced Scientific model and the difference on data based on regions and the need for extra harmonisation</li> </ul>
3.	<ul style="list-style-type: none"> <li>• After the short break, Ben McWilliams from Bruegel continued with the presentation of <b>WP3</b>, starting with the deliverables already issued and the main tasks at hand regarding this WP, as per their monthly deployment.</li> <li>• The various workshops that were organised were presented next and emphasis was given to the capabilities of online events.</li> <li>• Non-EU events were held on Japan, India and Kenya and Central Asia and Caspian region ones will be held starting December 2020.</li> <li>• The EU regional workshop is next on focus.</li> <li>• EU national workshops will be held ideally in Q1 2021</li> <li>• Partners engaged in a discussion on future steps on stakeholder engagement and proposed various actions for the future.</li> </ul>
4.	<ul style="list-style-type: none"> <li>• Alexandros Nikas from NTUA informed the participants for <b>WP4</b> progress on Multicriteria analysis and the current methods implemented and developed in the project.</li> <li>• Task 4.1 delays are expected since there are some delays on stakeholder engagement and the expected feedback from them.</li> <li>• Alexandros continued with the development of a multi-criteria group decision aid framework and software for the PARIS REINFORCE stakeholder-driven case studies</li> <li>• The socio-technical analysis studies were presented as well.</li> <li>• Wachsmuth Jacob continued and presented the IDA/Benchmarking objectives and the various IAM scenario classifications based on robustness. The next steps of this process are to publish the first detailed scenario inter-comparison via an IDA.</li> <li>• Alexandros continued presenting the delivery progress on the robustness analysis. Relevant publications were presented along with the commission's request to carry out an analysis based on Covid-19 factor.</li> </ul>
5.	<ul style="list-style-type: none"> <li>• Baptiste from SEURECO presented the progress on <b>WP5</b> on transforming Europe and next steps. The current progress was presented, and all is well on track</li> <li>• Focus is given on setting up the integrated modelling framework and establishing an operational linkage between modelling tools.</li> <li>• The project has entered the second modelling round.</li> <li>• The last sub-task for task 5.1 at hand is identifying the synergies and conflicts with other EU policies.</li> <li>• Baptiste continued presenting task 5.2 on sectoral decarbonisation pathways and policy mixes in Europe. Focusing on industry, transport, building and land sector.</li> <li>• National decarbonisation pathways and policy mixes in Europe were the next item of discussion.</li> <li>• A summary on work done and next steps followed.</li> </ul>
6.	<ul style="list-style-type: none"> <li>• Ajay for Grantham continued on presenting the modelling outside Europe as included in <b>WP6</b>.</li> <li>• All is well on track and the model documentation is already integrated in I2AM PARIS. Model set up phase is initiated and understanding on how global models interact with the EU selected ones is on track.</li> <li>• Modelling results from WP7 on global modelling will help the development of non-European regional Scenarios.</li> <li>• In Q3-4 of next year more global stakeholders are expected to engage</li> <li>• An example from the recent India workshop and stakeholder engagement was presented.</li> <li>• A SWOT analysis of the work at hand for WP6 followed. Main risks were Quantifying stakeholder inputs and the delayed WP7 scenarios. The main opportunities are the Net-zero target announcements and the technology-rich models.</li> </ul>

	<ul style="list-style-type: none"> <li>Professor Mohsen Jafari from the Scientific Advisory Board expressed his hope that the new administration in USA is more climate-friendly and asked on the consortium plans on holding a US workshop.</li> </ul>
7.	<ul style="list-style-type: none"> <li>Annala Anger-Kraavi from Cambridge kicked off <b>WP7</b> discussions on global modelling, followed in a three-part presentation.</li> <li>Annala offered an introduction to the WP tasks and a general overview of the progress</li> <li>Sara Giarola from Grantham presented the harmonisation process overview and the results and projections from the 1<sup>st</sup> modelling runs.</li> <li>Ida Sognnaes from CICERO continued and presented the first global modelling process and results.</li> <li>Results were illustrated and triggered a thorough discussion.</li> <li>A comparison with IEA WEO 2019 was presented as well.</li> <li>Hannah Paris from Cambridge continued with the co-design on global modelling. Co-design opens new sources of data and knowledge, and challenges the implicit power dynamics within the research process.</li> <li>In WP7 we are working specifically around refining and defining the questions around what scenarios we modelled and also developing a new understanding on what the Paris Agreement actually means and how it might be implemented in the future.</li> </ul>
8.	<ul style="list-style-type: none"> <li>Zsolt from IEECP presented the progress and efforts in communication and dissemination (<b>WP8</b>) for the project despite the challenges set by Covid-19.</li> <li>The project is overperforming with multiple publications and commentaries, newsletters and a strong CDE activity, Coordination and synergies with other projects and initiatives were presented.</li> <li>The project's high impact perspective and its co-publishing with other projects is impressive.</li> <li>Prof. Mohsen from our SAB asked if, based on the social aspects, factors and impacts of the progress, the researchers are considering some scalability for this project since it could be implemented in other parts of the world in case the project continues in the future and includes more countries and regions worldwide.</li> <li>The Project Advisor continued on providing advice on the technical aspect of this project</li> <li>Frederic was impressed with the joint publications with the other sister projects.</li> <li>Prof. Doukas closed the meeting and referred to our next steps in planning</li> </ul>



### 3 Scientific Advisory Board meetings

During the previous reporting period (M1 – M6), few meetings with the Scientific Advisory Board (SAB) took place. A member of the SAB tentative synthesis participated in the Kick-Off Meeting, in Athens, Greece (June 10-11, 2019), where he had the opportunity to share his expectations from and impressions on the project vision and objectives, the tools discussed, and the first-year timeline. Some days later, the Project Coordinator and WP7 Leader met with members of the SAB and other high-level stakeholders from the policymaking and scientific communities in Bonn, Germany (June 19, 2019), on the side of the Bonn Climate Change Conference (SB50). Later, the document for the formulation of the SAB, including the Terms of Reference and a tentative synthesis was delivered as the first Milestone of PARIS REINFORCE. The SAB synthesis was later enhanced, with the Project Coordinators of the three LC-CLA-01-2018 sister projects (ENGAGE, LOCOMOTION, NAVIGATE) joining, thereby establishing a fourteen-member Scientific Advisory Board (SAB) to support the project's work. The final synthesis of the SAB is presented in the following Table 2. The sister project coordinators were briefly met during a Networking and knowledge sharing event, in Brussels, Belgium (September 5, 2019), discussing possible synergies among the projects. All SAB members were invited to participate in the November 2019 First Stakeholder Council Dialogue in Brussels, Belgium (November 21, 2019); the sister project coordinators, in particular, could not attend but NAVIGATE and LOCOMOTION coordinators made sure to be represented by two members of their consortia.

**Table 2. Final synthesis of the PARIS REINFORCE Scientific Advisory Board**

Full Name	Organisation
Dr. Raphael Slade	Imperial College London, IPCC WGIII TSU Head of Science
Dr. Miria Pigato	World Bank
Dr. Fernanda de Carvalho	WWF International
Dr. Leon Clarke	Joint Global Change Research Institute
Prof. Anil Markandya	Basque Centre for Climate Change
Mr. Tosi Mpanu-Mpanu	Green Climate Fund, Pan African Climate Risk Management
Dr. Thiago de Araújo Mendes	Brazilian Ministry of Environment
Mr. Dirk Forrister	International Emissions Trading Association
Dr. James Watson	Eurogas (before, Solar Power Europe)
Prof. Mohsen A. Jafari	Rutgers University
Mr. Aristotelis Chantavas	SolarPower Europe, Enel Green Power
Dr. Elmar Kriegler	Potsdam Institute for Climate Impact Research (NAVIGATE)
Dr. Keywan Riahi	International Institute for Applied Systems Analysis (ENGAGE)



Prof. Luis Javier Miguel Gonzalez	University of Valladolid (LOCOMOTION)
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In this reporting period (M7 – M18), the envisaged SAB meetings during the physical project meetings and possibly during our stakeholder events/workshops did not go as planned, due to COVID-19. The May 2020 planned meeting in Milan, Italy had to be cancelled, giving its place to a series of online project meetings, mainly focusing on the COVID-19 challenges and the pandemic's impacts on stakeholder engagement and our first global inter-modelling exercise.

Nonetheless, we have tried to keep SAB members up to date with the project progress and invite them to participate in online meetings.

Before the outbreak of COVID-19, NTUA met with ENGAGE and NAVIGATE project coordinators in particular during the 12<sup>th</sup> Annual Meeting of the Integrated Assessment Modeling Consortium (IAMC), in Tsukuba, Japan (December 2, 2019), in order to discuss possible collaborations and synergies among the four projects.

In November 2020, all fourteen SAB members were invited to attend the project's 3<sup>rd</sup> online meeting, but most were unavailable. The minutes are recorded in Section 2.15.

