

Expanding Integrated Assessment Modelling: Comprehensive and Comprehensible Science for Sustainable, Co-Created Climate Action

D6.1 – IAM COMPACT CDE plan

WP6 – Explaining – Policy analysis, capacity development, communication, dissemination, exploitation.



28/02/2023



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# **EC Summary Requirements**

# 1. Changes with respect to the DoA

No changes with respect to the work described in the DoA.

# 2. Dissemination and uptake

The present deliverable introduces a solid Communication, Dissemination, and Exploitation plan (CDE plan) to be followed by all IAM COMPACT partners and, in particular, those involved in the "Explaining" pillar (policy analysis, capacity development, communication, dissemination, exploitation) to ensure high visibility, accessibility, and promotion of the IAM COMPACT project and its results. Its primary purpose is to serve as a reference framework for planning and implementing the project's communication, dissemination, and exploitation activities as well as evaluating their impact during the project's lifetime. In addition, it will also serve as a practical guidebook to assist research teams and a diverse target audience in the field of integrated assessment modelling and climate policymaking to identify additional tools and techniques and to enhance the impact of their work.

# 3. Short summary of results (<250 words)

A consolidated CDE plan, able to ensure high academic excellence and societal impact at the same time, is considered a key aspect of the IAM COMPACT activities to reinforce the European and global scientific community, underpin climate policymaking, and enhance the science-policy interface in the light of the Paris Agreement and associated challenges. That said, all corresponding CDE activities lie at the core of IAM COMPACT, with the aim to establish a two-way profitable interdisciplinary and science-policy/science-society dialogue in a timely manner and via the best means and channels available.

This document details the CDE plan to be employed for the entire duration of IAM COMPACT. It outlines both the centrally led outreach activities and tools developed to ensure the efficient uptake and replication of the IAM COMPACT outcomes, and the decentralised efforts to be applied towards reaching and involving all interested actors and target groups through each partner's stakeholder engagement process and contacts. In doing so, it provides clear guidance that considers "why", "who", "what", "when", and "how" to engage, as well as the promotional and informational materials that are fundamental for project outreach, and the measures to assess the successful implementation of the CDE activities.

Overall, the IAM COMPACT CDE activities are on track, following the initial plan laid out in the Grant Agreement. The focus is then placed on making the entire consortium committed to actively contributing to and boosting the impact and the exploitation potential of IAM COMPACT.

# 4. Evidence of accomplishment

This report.



# **Preface**

IAM COMPACT supports the assessment of global climate goals, progress, and feasibility space, and the design of the next round of Nationally Determined Contributions (NDCs) and policy planning beyond 2030 for major emitters and non-high-income countries. It uses a diverse ensemble of models, tools, and insights from social and political sciences and operations research, integrating bodies of knowledge to co-create the research process and enhance transparency, robustness, and policy relevance. It explores the role of structural changes in major emitting sectors and of political, behaviour, and social aspects in mitigation, quantifies factors promoting or hindering climate neutrality, and accounts for extreme scenarios, to deliver a range of global and national pathways that are environmentally effective, viable, feasible, and desirable. In doing so, it fully accounts for COVID-19 impacts and recovery strategies and aligns climate action with broader sustainability goals, while developing technical capacity and promoting ownership in non-high-income countries.

NTUA – National Technical University of Athens	EL	<b>EPU</b>
Aalto – Aalto Korkeakoulusaatio SR	FI	Aalto University
AAU – Aalborg Universitet	DK	<b>@</b>
BC3 – Asociacion BC3 Basque Centre for Climate Change – Klima Aldaketa Ikergai	ES	BASQUE CENTRE FOR CLIMATE CHANGE Klima Aldaketa Ikergai
Bruegel – Bruegel AISBL	BE	bruegel
CARTIF – Fundacion CARTIF	ES	CARTIF
CICERO – Cicero Senter for Klimaforskning Stiftelse	NO	°CICERO
E3M – E3-Modelling AE	EL	E Modelling
KTH – Kungliga Tekniska Hoegskolan	SE	КТН
POLIMI – Politecnico di Milano	IT	POLITECNICO MILANO 1863
<b>UPRC</b> – University of Piraeus Research Center	EL	TEESlab Technoeconomics of Energy Systems
UVa – Universidad De Valladolid	ES	Universidad de Valladolid
WI – Wuppertal Institut fur Klima, Umwelt, Energie GGMBH	DE	Wuppertal Institut
IIMA – Indian Institute of Management	IN	an est make a
<b>THU</b> – Tsinghua University	CN	
USMF – University System of Maryland	US	
AAiT – Addis Ababa University	ET	<b>@</b>
KEI – International Civic Organisation Kyiv Economics Institute	UA	KSE   Kyiv School of Economics
RUSL – Raja Rata University of Sri Lanka	LK	<u> </u>
TUM – Technical University of Mombasa	KE	( <u>(1)</u> )
UNIGE – Université de Genève	CH	UNIVERSITÉ DE GENÈVE
Imperial – Imperial College of Science, Technology and Medicine	UK	Imperial College London

# **Executive Summary**

As much as communication remains a key requirement of any research project to raise awareness on and achieve visibility of the research outputs, the European Commission emphasises the importance of dissemination and exploitation as integral parts of the overall outreach strategy to be followed to increase impact over three overarching dimensions: scientific, societal, and economic. In other words, to ensure public engagement and social confidence in science and innovation, while making the potentially exploitable results actually useful in concrete contexts of action, even after the funded period has ended. These issues may affect what can, or cannot, be done within the communication process and are likely to dictate the appropriate activities to be taken along the way.

In the IAM COMPACT project, the proposed Communication, Dissemination and Exploitation (CDE) plan employs a variety of activities to facilitate an effective two-way engagement between the consortium and relevant stakeholder groups (policymakers, climate system and climate-economy modellers, industry representatives, NGOs, civil society, etc.) pursuing the purpose of fostering policy change in the field of integrated assessment modelling, based on its research findings. These activities range from a strong use of online communication, such as a website and social media, and a strong scientific outreach, typically used to inform and transfer knowledge, to a set of more dynamic procedures to link multiple sources of knowledge and facilitate the co-creation of the research process. The latter revolves around two fundamental instruments of IAM COMPACT, the I²AM PARIS open-access and data exchange modelling platform, and the Policy Response Mechanism, which, among others, will help to reach a large public within the scientific community, civil society, and the policymaking arena and to influence the public view in respect of the Paris Agreement goals.

This report constitutes a strategic deliverable of the IAM COMPACT project that falls under the scope of the "Explaining" pillar and aims to establish the goals, guidelines, strategies, and workflows for the IAM COMPACT consortium partners to follow when performing promotional activities and/or engage in meaningful dialogue with different core stakeholders, for the whole duration of the project. In that respect, this plan will be a living document that will follow the project's progress and will be revised on Month 18, to inform procedures and capture new impact-effective opportunities. A final update will follow at the end of the 3<sup>rd</sup> year of the project (Month 36), including the final exploitation objectives and details for the final EU conference as well as the IAM COMPACT partner-specific exploitation activities for all the different scientific outcomes produced.

This first version of the Communication, Dissemination, and Exploitation plan describes the overall approach for communicating strategically about IAM COMPACT and then disseminating effectively the project's results while interacting with IAM COMPACT's core audiences. To that end, it outlines key objectives and goals, identifies key stakeholders, and describes communication and dissemination means and activities and how their success will be monitored and evaluated. It also drafts the strategy and specific actions for the exploitation of results and proposes steps towards articulating the post-project maintenance and expansion approach. Furthermore, specific guidelines, considering Open Science practices and other contractual obligations towards the European Commission, such as visibility of European Union (EU) funding, are provided for the IAM COMPACT consortium partners to follow, when disclosing research results.

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# **List of Abbreviations**

Abbreviations	Description
CC BY	Creative Commons Attribution License
CCG	CLIMATE COMPATIBLE GROWTH
CDE	Communication, Dissemination, Exploitation
CO2	Carbon dioxide
EC	European Commision
ECEMF	European Climate & Energy Modeling Forum
EMF	European Modeling Forum
EI	Expected Impacts
ЕМР-Е	Energy Modelling Platform for Europe
EO	Expected Outcomes
EU	European Union
FAIR	Findability, Accessibility, Interoperability, Reusability
GA	Grant Agreement
GDPR	General Data Protection Regulation
GST	Global Stocktake
KPIs	Key Performance Indicators
NGOs	Non-Governmental Organizations
IAMs	Integrated Assessment Models
IAMC	Integrated Assessment Modelling Consortium
IEA-WEO	International Energy Agency-World Energy Outlook
IPCC	Intergovernmental Panel on Climate Change
AR7	7 <sup>th</sup> Assessment Report of the IPCC
IPR	Intellectual Property Rights
М	Month
M.A.T	Messages, Audience, Tools
NDCs	Nationally Determined Contributions
Openmod	Open Energy Modelling Initiative
PRM	Policy Response Mechanism
R&I	Research and Innovation

SDGs	Sustainable Development Goals			
SHs	Stakeholders			
SSH	Social sciences and humanities			
SoMe	Social Media			
UNEP	United Nations Environment Programme			



# 1 Introduction

IAM COMPACT is an HORIZON EUROPE funded Research and Innovation project that aims to establish a multidimensional demand-driven **Integrated Assessment Modelling (IAM)** framework to inform and support the design and implementation of the next-round **Nationally Determined Contributions (NDCs)** and policy planning beyond 2030 for major emitters and non-high-income countries, in respect of the Paris Agreement goals. The need to provide policymakers and other stakeholders with the "right" information and the "right" tools is thus the initial starting point.

To deliver on this, IAM COMPACT puts forward a unique interdisciplinary and transdisciplinary approach to promote the science-policy and science-society dialogue, throughout the research process. This revolves around a key novelty of IAM COMPACT, the **Policy Response Mechanism (PRM)**, seeking to directly engage with a wide range of stakeholders from different disciplines and geographic scales at each step of the modelling process, from guiding policy-relevant research questions to co-designing and evaluating preliminary findings, producing, thus, contributions along the three following dimensions: increase the **policy relevance** and **societal impact** as well as the **ownership** of the research outcomes<sup>1</sup>. It is also facilitated by the **I**<sup>2</sup>**AM PARIS** open-access and data exchange modelling platform, which will be the main vessel for coordinating, storing, and providing open access to the IAM COMPACT's modelling processes, so de facto allowing for **knowledge exchange** among international modelling teams and enabling **mutual learning** among heterogeneous scientific communities, the policy community, and civil society.

Given the above, a salient point for IAM COMPACT is to understand which "lever" needs to be activated to make research results useful to the different end-users and what is the best way to unlock this potential. This leads up to the general objectives of the **Communication, Dissemination and Exploitation (CDE) plan**, which unfold in this document. In brief, these include **identifying appropriate audiences**, **when and how to interact with them** to inform the scope of research and share knowledge and **choosing the best techniques** for delivering the planned communication, dissemination and exploitation activities. Furthermore, as the project advances, the CDE plan will indicate **how to progressively maximise efforts**, moving from raising awareness of IAM COMPACT to cultivating the most favourable conditions for the **wider uptake** and the **sustainability** of its scientifically significant outputs in the foreseeable future.

The CDE plan is a key output of **WP6** within the "**Explaining**" component of IAM COMPACT, intended to strengthen the link between communication, dissemination and exploitation activities and the policy analysis and capacity development components. As such, it is cross-cutting to all other WPs and will enable communication, dissemination, and exploitation of the whole IAM COMPACT results in the most effective way. It follows that all the IAM COMPACT partners are expected to get involved in and contribute to most of the CDE tasks, ensuring that the work done within the whole project is brought to the attention of, and where possible actively involves, as many relevant audiences as possible.

# 1.1 Objective and scope of the deliverable

The CDE plan of IAM COMPACT is a living document guiding the communication, dissemination and exploitation efforts carried out by the IAM COMPACT consortium and will be updated and adjusted as the project progresses. In particular, a formal update will be provided on Month 18, while a final version will be delivered near the project closeout (M36), together with the achieved results of each planned activity, reporting as well future-oriented exploitation efforts foreseen by each partner. Yet, additional intermediate updates will be released, if needed.

<sup>&</sup>lt;sup>1</sup> More on Policy Response Mechanism can be found in Heussaff, C. (2022), *Stakeholder engagement plan. (D2.1).* IAM COMPACT. <a href="https://www.iam-compact.eu/sites/default/files/2023-01/D2.1%20Stakeholder%20Engagement%20Plan v1.00 SUBMITTED.pdf">https://www.iam-compact.eu/sites/default/files/2023-01/D2.1%20Stakeholder%20Engagement%20Plan v1.00 SUBMITTED.pdf</a>



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Deliverable 6.1 (D6.1) aims to formalise the plan and provides the basis for both external and internal communication and dissemination activities, and approach to the exploitation of the project results. A primary objective is then to develop a transparent understanding of the way in which IAM COMPACT will be reaching its target audience, with the right messages at the right times and through the right combination of the most profitable information distribution means and activities. In addition, to propose actions towards an early drafted exploitation strategy, with special focus on the way the IAM COMPACT consortium will maximise the expected impact and boost the project's sustainability through the most effective scientific, economic, political, or societal routes, for the continuation of the IAM COMPACT after the funded period. Finally, it indicates the way in which efforts will be coordinated and monitored along the entire IAM COMPACT consortium to ensure consistency and quality in their actual execution.

On that basis, D6.1 reports on the range of the activities planned within the IAM COMPACT CDE strategy, and the tools already developed or planned, for delivering the appropriate messages to the target audience. At the same time, it presents the dissemination material produced thus far, both printed and electronic, and lists a number of exploitation actions to be performed, with most of them focusing on knowledge and information exchange (e.g., scientific conferences and publications, etc.). D6.1 concludes by describing the general management process that will guide the implementation of the CDE plan, introducing as well the internal mechanism for monitoring the impact of the planned activities, in terms of attaining a set of predefined KPIs (Key Performance Indicators).

## 1.2 Structure of the deliverable

Apart from the first introductory section, the remainder of the document is structured as follows:

- **Section 2** Describes the overall concept behind the IAM COMPACT CDE plan, focusing on three key strategic elements, the target audience, the key messages, and the tools to be employed per each identified group of stakeholders. In addition, it summarises the objectives that IAM COMPACT expects to achieve through the implementation of the proposed CDE plan and the key criteria and indicators measuring the achievement of these objectives.
- **Section 3** Moves towards implementation, describing the methods and actions through which communication and dissemination strategies are or will be rolled out, while further considering steps towards steering IAM COMPACT's approach to exploiting and making concrete use of its significant scientific results for political and societal purposes in the light of the Paris Agreement. In addition, it defines measures and guidelines for the IAM COMPACT consortium partners to consider when communicating, disseminating and exploiting the project's results.
- **Section 4** Defines the key issues that must be addressed, along with their mitigation measures, for the planned CDE strategy to be effective, thus contributing to the overall success of the IAM COMPACT project.

The document closes with the conclusion remarks summarising the main points around the selected methodological CDE approach.



# 2 The IAM COMPACT CDE plan

The IAM COMPACT CDE Plan is a periodic report that provides the IAM COMPACT consortium partners with guidelines on the different planned CDE activities and their implementation timeline, defines responsibilities among the IAM COMPACT consortium partners for each planned CDE activity, identifies a selection of supporting communication and dissemination tools and channels and outlines the exploitation activities that will foster the adoption of the IAM COMPACT's results, methodological novelties and policy implications by the different stakeholder groups both during and beyond the project life. It also addresses stakeholders' engagement activities with a special focus on motivating participation and inclusion of a balanced group of multiple stakeholders, who can directly benefit and be benefited by IAM COMPACT. All the information to be used for CDE purposes will be tailored to these target audiences and will be delivered to them through specific CDE means and in a two-way exchange for reaching excellence in terms of both academic outputs and societal relevance.

# 2.1 CDE strategy

IAM COMPACT CDE strategy follows a tailor-made approach that builds on the **M.A.T.** technique that aims to achieve appropriate matchmaking of the **Messages** that need to be delivered, the **A**udience they target and the **T**ools to be used as a means to drive a positive impact result. This is done by answering a few simple questions such as:

- "What", for defining the intended messages/information to be delivered,
- "Why" for defining the desired/expected CDE outputs,
- "Whom", for defining the audience that might be interested in or may use these messages/information,
- "When", for defining the appropriate timeline of the planned activity,
- "How", for defining potential different routes for delivering the intended messages/information.

Once that is done, the rest of the CDE plan involves only two more steps, and these are:

- implementing the CDE plan and the various CDE activities according to the adopted timetable,
- evaluating the CDE efforts, along with adjusting the CDE plan and activities accordingly.

In practice, following such an approach it is expected to influence the simplicity as well the efficiency of the IAM COMPACT CDE plan implementation in multiple ways. First, it will amplify partners' contributions, acting as a checklist for directing CDE efforts where it is more relevant and important through the proper promotional routes. Second, it will ensure flexibility and adaptability, tailoring CDE activities and communication of findings as required. Most importantly, it will facilitate a proactive stakeholder engagement, bringing the project to "where" they actually are. Done well, it will bring together an international consortium of policymakers, modelling teams and selected stakeholders' networks to support the design of a multi-dimensional set of climate and energy policies to help meet the Paris Agreement goals.

#### 2.1.1 Messages

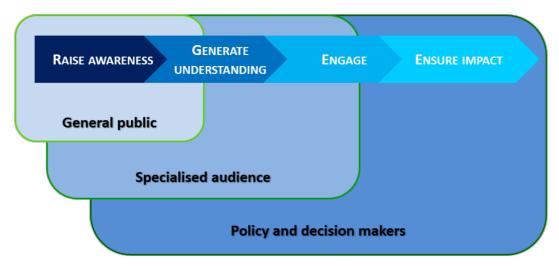
This pillar focuses on activities that could create an interesting story around IAM COMPACT by transforming the project's vision into intended messages and then into definable actions. The particular goal is to ensure that IAM COMPACT's strategic goals will speak the "professional language" of all interested stakeholders and target organisations, fostering stakeholder awareness. **Table 1** below summarises the high-level strategic messages IAM COMPACT aims to convey to its specialised target audiences, as identified at the beginning of the project:

Table 1. Key messages of IAM COMPACT.

Key message #	Message description
	Under the Paris Agreement, Parties must pursue policies and measures to reduce GHG emissions, by preparing and implementing successive NDCs of increased ambition.
1	Neither the first round of NDCs nor currently implemented climate policies are on track to meeting the Agreement's objectives while international cooperation in climate action remains limited.
2	The modelling world has fallen short of its promise to include non-scientists/stakeholders in its activities, despite the need for wide societal and stakeholder support to underpin NDC design.
3	Non-high-income countries do not "own" their NDC commitments, as the modelling required for their NDC is often outsourced to consultancies.
4	Modelling usually focuses on the supply-side, despite the need to transform the demand-side and the high potential for behaviour and lifestyle changes.
5	Models for climate policy are mostly designed for long-term horizons and are not equipped to study deep uncertainties, structural changes, extreme events, and economic and climate shocks (such as COVID-19).
6	Climate action needs to be comprehensively assessed, by exploring the co-benefits of working across the broad spectrum of sustainable development.
7	There is a need for a new interdisciplinary transitions research agenda that integrates modelling with social sciences, to assess the feasibility and desirability of the transition to net zero, not only in terms of what, but also of when, where, and especially for whom.
8	New mitigation and sustainability pathways must be quantified and assessed against baselines which are representative of real-world policy efforts and ambitions and not against misleading or unrealistic no-policy/business-as-usual reference trajectories.

As a planned future activity, the IAM COMPACT CDE plan foresees a close coordination with WP2- "Listening: Ensuring policy relevance and ownership", resulting in a straightforward strategy to directly match the communication-related objectives across a multi-layered stakeholder pool. The success of this task is related to the extent to which these messages are directed toward the widest possible audience of IAM COMPACT stakeholders and establish the exact reasons for communication according to their individual needs and motivations.

**Awareness** and **understanding** of the relevant stakeholders about the IAM COMPACT and its expected results are the first challenges to be achieved. Beyond that, the CDE activities as a whole intend to **engage** target audiences in the use of the project's findings and to boost interaction between them by collecting feedback and comments and showcasing the relevance of the scientific work in their own practices. The long-term expectation is to **ensure long-term impact** of the IAM COMPACT research results on the target audience (**Figure 1**).



**Figure 1.** Mapping between the IAM COMPACT CDE goals and target audiences.

#### 2.1.2 Audience

In terms of IAM COMPACT, stakeholder engagement across a wide spectrum of interested parties and different disciplines is inherent in the project's co-creation activities. According to D2.1-"Stakeholder engagement plan"<sup>2</sup>, it is a two-way communication process between the IAM COMPACT consortium partners and the external stakeholder community that revolves around the PRM, ensuring the policy-relevant output - a fundamental aim of IAM COMPACT. It is designed thus as a demand-driven deliberative process that gives stakeholders the opportunity to help plan their own engagement and, where deemed appropriate, the power to influence the course of the research process as equals, valuing their knowledge.

Depending on their relation with IAM COMPACT, target audiences are categorised as internal and external. Internal stakeholders consist mainly of the IAM COMPACT consortium, which is strategically situated in 19 countries all around the globe, and its core synthesis reflects IAM COMPACT's de facto motivation to enhance cooperation among the international modelling community to provide robust policy prescriptions to policy and decision-makers around the world. Non-high-income partner countries (Ethiopia, Kenya, Sri Lanka, and Ukraine), expected to be given the opportunity to (further) extend their institutional capacity in support of their climate action and assume ownership of their toolboxes, climate scenarios and policies, are also included here. In addition, our Scientific Advisory Board and the European Commission can be classified as such.

With regards to the external stakeholders, they consist of the following broad groups, already identified at the onset of the project (**Figure 2**):

- Policymakers and negotiators from countries/regions represented in the consortium to be directly involved in the PRM, including all EU Member States, other European countries (the UK, Norway, and Switzerland), the top 3 emitters globally (China, USA, and India), and selected non-high-income countries (Ethiopia, Kenya, Sri Lanka, and Ukraine) with limited institutional capacities to underpin their climate pledges and strategies with modelling science base.
- Policymakers and negotiators from other major emitting (e.g., Indonesia, Japan, Canada, etc.) and other non-high-income countries, for which clear national pathways for the post-2030 period will also be produced. Additionally, open-access training material for enhancing capacity in IAM COMPACT pilot

Heussaff, C. (2022), *Stakeholder engagement plan (D2.1)*. IAM COMPACT. <a href="https://www.iam-compact.eu/sites/default/files/2023-01/D2.1%20Stakeholder%20Engagement%20Plan v1.00 SUBMITTED.pdf">https://www.iam-compact.eu/sites/default/files/2023-01/D2.1%20Stakeholder%20Engagement%20Plan v1.00 SUBMITTED.pdf</a>



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counties (Sri Lanka, Ethiopia, Kenya, and Ukraine) will be disseminated and uploaded onto the project's website.

- **Scientists/researchers/academia** specifically but not limited to modelling researchers and social scientists worldwide, scientists in IPCC processes, and researchers in relevant Horizon EUROPE projects.
- **Members of research consortia/communities** such as the IAMC, EMP-E, EMF workshops, the Openmod and OpTIMUS networks for open energy and climate-economy modelling, ECEMF, Climate Compatible Growth, the RedMentes Spanish network of energy modellers for sustainable transition, and the Sustainability Transitions Research Network.
- Industry decision-makers & business associations, especially from high-emitting industries.
- **Civil society**, including civil society organisations, climate activist groups, and citizens more broadly. Press and media stakeholders can be also included in this stakeholder group.

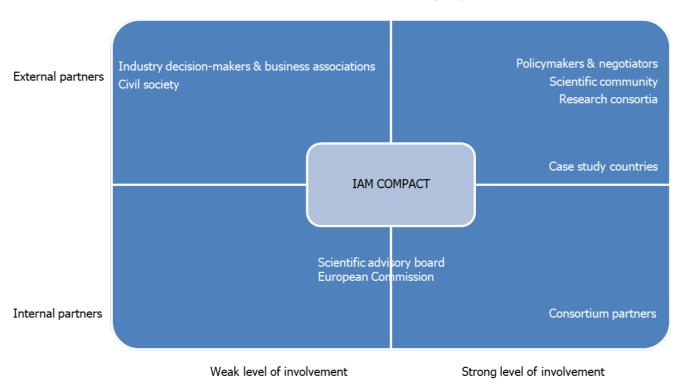


Figure 2. Internal/External stakeholder group matrix.

Apart from the consortium and the EC (internal layer), the identified IAM COMPACT stakeholder groups can be categorised into three layers of impact, namely (**Figure 3**): (i). layer of direct impact, (ii). layer of moderate impact, and (iii). layer of indirect impact.

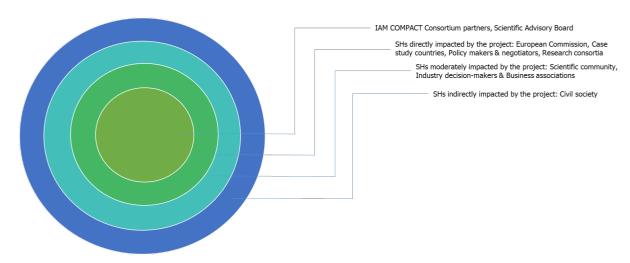


Figure 3. Internal/External stakeholder groups layers.

A final classification of the IAM COMPACT target audiences, particularly in respect of the external ones, considers two key attributes, their power or influence and interest in the project (**Figure 4**). It builds on the Power/Interest Grid technique and helps identify the actions to be taken to best communicate and engage each stakeholder group according to the way they are allocated on the grid, in particular according to their power to influence IAM COMPACT's co-creative research process, and their interest, either in terms of being affected by or using the insights, tools and capacities developed within IAM COMPACT for informing national climate and energy policies towards meeting the Paris Agreement goals.

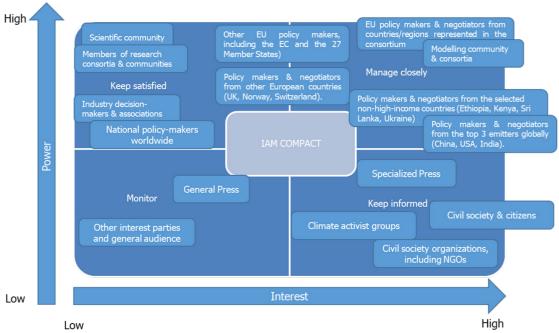


Figure 4. Power/Interest grid classification.

Following this classification, the IAM COMPACT CDE plan splits and prioritises the diverse target audience into primary and secondary audience distinguishing between:

The "key players", who will be managed closely, namely stakeholder groups, who are highly influential in
the success or disruption of IAM COMPACT, and IAM COMPACT findings are having significant impact on
their future activity. For this stakeholder category, a regular flow of information should be ensured, and a
direct feedback channel should be established, as part of the CDE plan and the engagement strategy
(D2.1²), to pay proper attention to their input that could beneficially inform IAM COMPACT.





- Those to be "kept satisfied", namely stakeholders with significant influence over others and therefore the
  potential to influence IAM COMPACT's success in different ways. Yet, impact on them is lower so there is
  less need to involve them in the development process. Respectively, CDE efforts should follow a sustained
  approach, but not as intense as in the case of "key players"
- Those to be "kept informed", namely stakeholders who can be significantly affected by IAM COMPACT, but have less influence over others or the IAM COMPACT success. This group needs to be kept regularly up-to-date, and proactive efforts should be taken as they may constitute potential "key players".
- Those to be "monitored", namely stakeholders who, although being involved or can hold a stake in delivering IAM COMPACT findings, are not influential nor greatly impacted by the changes. As follows, they need to be monitored and provided with minimal communication effort, such as mass communication (e.g. Social Media), to keep them engaged without overloading them.

Each of them maximises the impacts of IAM COMPACT as described in (**Table 2**) below, covering the whole cycle of the CDE activities:

**Table 2.** Roles of key stakeholder groups in the CDE activities.

Key Stakeholder groups	Enhance IAM COMPACT visibility	Give feedback on IAM COMPACT outputs	Create exploitation opportunities	Foster collaboration
Policymakers	√	√	√	√
Scientists/researchers/academia	√	√		√
Modelling community & consortia	√	√	√	√
Industry decision- makers &business associations		√	√	V
Civil society	√	√		
Press & media	√			

Overall, the target audience's analysis presented here is based on the current situation, and is open to future, updates and modifications since more stakeholder groups are expected to emerge during the project. As for this, a comprehensive stakeholder engagement plan has been already developed under D2.1² presenting in more detail the IAM COMACT engagement strategy and how it can feed into the CDE strategy. In short, it details IAM COMPACT's efforts towards building an enhanced stakeholders database (T2.2), which in turn will be the main vessel in all activities related to PRM and to policy steering groups (WP2) as well as the capacity building workshops in WP6. Both the IAM COMPACT CDE plan and stakeholder engagement plan will be regularly updated and refined throughout the project's lifetime to ensure the involvement of more interested participants.

#### **2.1.3 Tools**

Stakeholder identification and prioritisation inform the kind of CDE means and tools that will be used to reach each target group and convey the messages they may be interested in. **Table 3**, which follows, presents a preliminary matchmaking matrix of the key IAM COMPACT CDE tools for each target group category, envisaged at the proposal phase. This matrix will be updated accordingly, as new stakeholders are engaged, and feedback regarding the



appropriateness of the selected CDE toolkit is collected.

Table 3 Preliminary overview of the CDE tools

Table 3. Preliminary overview of the CDE tools.						
Target Audience	Policymakers	Scientists/Rese archers/ Academia	Modelling community & Consortia	Industrialists Associations	Civil society	
CDE Tools/Channels	Poli	Scien al Ac	ΣĘδ 	Indi	Ci.	
Policy steering interactions <sup>3</sup>	√		√			
Promotional material	√	√	√	√	√	
IAM COMPACT website	√	√	√	√	√	
I <sup>2</sup> AM PARIS platform	√	√	√			
Synergies <sup>4</sup>		√	√	√		
Social Media	√	√	√	√	√	
Capacity-building workshops	√		√		√	
Commentaries/Policy briefs	√		√	√	√	
Scientific assessments		√				
Infographics/Videos	√	√	√	√	√	
Open access self-learning material	√		√			
Blogposts/Articles	√		√	√	√	
Press releases/Newsletters	√	√	√	√	√	
Conferences/EU final conference	√	√	√	√	√	
Other external events				√	√	

<sup>&</sup>lt;sup>4</sup> As synergies we consider collaborations with and among other projects funded by the EU, including ECEMF, projects under LC-CLA-01-2018, LC-SC3-CC-2-2018, LC-CLA-10-2020, CL5-2021-D1-01 and CL5-2022- D1-02, and other relevant initiatives, in which members of relevant consortia (IAMC, EMF, etc.) participate. More information is given in Section 3.1.2.1.



<sup>&</sup>lt;sup>3</sup> In the heart of IAM COMPACT policy steering interactions are the exchanges with the policymakers and all other stakeholders that form the foundation of PRM and as such will take place in line with the two co-creative cycles to inform our activities and outcomes and ensure their relevance. More information are given in **Secion 3.1.2.1**.



# 2.2 Expected impact and outcomes

From its inception onwards, IAM COMPACT seeks to contribute to the expected outcomes of the HORIZON CL5-2021-D1-01-04 call (EO), as well as the long-term expected impacts (EI) of the broader D1 Destination to support the transition to a climate-neutral and resilient society and economy enabled through advanced climate science, pathways, and responses to climate change (mitigation and adaptation), and behavioural transformations. These key outputs are presented in **Table 4** below and include:

Table 4. Expected outcomes and impacts.

IAM C	OMPACT's EOs	IAM COMPACT's EIs		
EO1	Provision of information for the preparation of climate policies and national planning for the post-2030 period, in light of the Paris Agreement goals and the need to reduce global net greenhouse emissions to zero by 2050.	EI1	Advancing knowledge and providing solutions in earth system science, pathways to climate neutrality, social science for climate action and better understanding of climate-ecosystems interactions.	
EO2	Enhanced international cooperation among the modelling community and other relevant stakeholders to expand the provision of robust in-country advice to decision-makers around the world.	EI2	Contributing substantially to key international assessments.	
EO3	Enhanced mutual learning among the modelling, social science, and policy communities to ensure coherence between different tools used to inform climate action, and consistency with the best available and open science.	EI3	Strengthening the European Research Area on climate change.	
		EI4	Increasing the transparency, robustness, trustworthiness and practical usability of the knowledge base on climate change for use by policymakers, practitioners, other stakeholders and citizens.	

The IAM COMPACT CDE plan lays out the project's approach to smoothly address these challenges.

### 2.2.1 CDE planned measures to maximise impact

A number of planned measures and activities are foreseen in order for IAM COMPACT to meet its long-term expected outcomes and achieve the expected impacts. The successful implementation of these activities plays a pivotal role in the success of both IAM COMPACT itself and its CDE strategy, so they will be regularly monitored and reported as described in **Table 5** below.

**Table 5.** Dissemination and exploitation expected outreach.

	CDE measure/activity	Planned >	Audience		
	Uptake by Countries				
EO1	Long-term mitigation pathways and advice for the EU and countries represented in IAM COMPACT (top 3 emitters, four non-high-income countries), which constitute around 62% of global fossil-related CO <sub>2</sub> emissions.	8			
EI1	Countries within and outside Europe acknowledging the project in the development of national energy and climate action plans.	10	Policymakers		
EI1	Top major emitters publishing NDCs based on evidence co-developed with stakeholders within IAM COMPACT	4			
EI1	Non-high-income countries publishing NDCs based on evidence co-developed with stakeholders in IAM COMPACT	4			
	Project acknowledgement				
EI1	EC cites evidence from project outputs on the design of its post-2030 climate policy, including interactions with SDGs, and its post-pandemic responses (including in various EC dialogues, fora, and workshops organised by the EC);		Policymakers in the EU, European scientific community		
EI2	No. of references to project outputs in IPCC AR7 and/or upcoming special reports	30			
EI2	No. of new scenarios submitted to IPCC AR7 and/or special reports	200	IAM community, modelling networks and consortia		
EI2	Project acknowledgement in UNEP's Emissions Gap reports				
	No. of citations of the advancements for expanded integrated assessment modelling capabilities	100			
	No. of citations of the new set of diagnostics/evaluation indicators and protocols for model validation and integration published & used widely in modelling research	50	Scientific community, IAM community		
	Policy-related reports & non-scientific publications				
EO1	Policy briefs for EU & partner countries	10			
EO1	Reports on national, regional & global mitigation pathways for the post-2030 period	2			
EO1	Reports on sectoral & cross sectoral aspects	2			
EO1	Reports on sub-national deep-dives in Europe	2	Policymakers		
EO1	Reports on green recovery/Impact analysis of COVID-19 recovery strategies	1	Scientists/Researchers/		
EO1	Reports on social & gender implications of Paris-compliant climate action	2	Academia		
EO1	Reports on resilience against extraordinary extremes	2			
EO1	Reports on social disruptive innovations & behavioral change	2			
EO1	Reports on climate action & sustainable development	2			
EO2	Reports on stakeholder co-created research questions (PRM)	2			





EO#	CDE measure/activity	Planned >	Audience		
EO2	Reports on transparent, multi-layer co-creation of the two cycles (PRM)	2	Modelling community, Policymakers, Industry decision-		
EO2	Reports translating policy needs into scenarios (PRM)	2	makers,		
EO2	Reports on orchestrating and implementing innovative synergies with other projects	2	Civil society		
E03	Reports on open data management	2			
E03	Reports on the open science protocols guiding the project	2			
E03	Reports on global and national sectoral drivers, barriers and policies	2	Modelling Community; SSH scientists, Policymakers   (EU regional, national, local)		
E03	Policy catalogue shared with the modelling community in I2AM PARIS	1	(Lo regional, national, local)		
E03	Reports on interdisciplinary dialogue for modelling integration	2			
EI4	No. of non-academic articles in media	10	Scientists/Researchers/Academia, Policymakers, Industry decision-makers, Citizens		
	Scientific publications				
EO1	Scientific publications on national/regional & global post-2030 pathways considering extreme events, disruptive changes, societal innovations, gender, SDGs	20			
EO2	Scientific publications on national & global mitigation pathways jointly produced with other research projects & non- consortium teams	15	Scientific community		
E03	Scientific publications on inter-/trans-disciplinary model science including SSH insights	12			
E03	Scientific publications on interdisciplinary modelling science frameworks	2			
	Advancements to expand the modelling comfort zone and state-of-the-art in integrated assessments				
EO1	Novel multi-model assessment framework	1			
E03	New open modelling tools & accompanying training material for 4 non-high-income-countries	7	IAM/modelling community		
E03	New set of model evaluation & diagnostics indicators	1			
EI4	Harmonisation & model integration/evaluation protocols established in modelling society				
	Stakeholder Database	2,000			
EO2	No. of academia (at least 10%)	200			
EO2	No. of business (at least 10%)	200			
EO2	No. of industry (at least 10%)	200	All stakeholder groups		
EO2	No. of civil society (at least 10%)	200			
<b>EO3</b>	No. of modelling researchers	200			





EO#	CDE measure/activity	Planned >	Audience
EO3	No. of social scientists	100	
EO3	No. of policy-makers	200	
EO3	No. of local stakeholders (modelling, ministry etc) from 4 non-high-income countries	50	
	I <sup>2</sup> AM PARIS platform active support/exploitation and models documentation		
EO2	No. of modelling teams worldwide using the platform	50	Modelling community
EO2	No. of consortium models' documentation in non-technical language for all audiences	27	All state to the state of the s
EO2	No. of non-high income countries using modelling applications developed in the project	4	All stakeholder groups
EO2	Level of Increased confidence (satisfaction) in modelling results across members of the policy steering groups (satisfaction survey results at the beginning and the end of the project)	80%	Delian stooning groups
EO3	Increased understanding in modelling concepts among policy steering groups member (survey at the start and the end of the project)	50%	Policy steering groups
EO3	No. of I <sup>2</sup> AM PARIS workspaces with interdisciplinary insights (including from SSH)	5	
EI4	No. of new workspaces explained in the I <sup>2</sup> AM PARIS platform	10	All stakeholder groups
EO3	No. of updates of the I <sup>2</sup> AM PARIS platform with new models, new features, new workspaces	2	
EI3	No. of Horizon projects supporting I <sup>2</sup> AM PARIS platform's operation	5	
EI3	No. of climate mitigation models supported by I <sup>2</sup> AM PARIS	70	Scientific community (H2020 and Horizon EUROPE projects), IAM/modelling community
EI3	No. of IAM teams exploiting open national/regional models after the project ends	10	projectory is a producting community
	External events		
EO2	No. of events jointly held in collaborations & synergies with other/sister research projects	10	Modelling community, Policymakers, Industry decision- makers, Civil society
EO3	No. of submissions to modelling consortia meetings	10	Modelling community (consortia, networks)
EO3	No. of participations in relevant scientific conferences	25	Scientific community

# 2.2.2 Key performance indicators (KPIs)

Monitoring and assessing the effectiveness of the CDE planned activities are important aspects and as such, they should be considered from the very beginning. In that vein, the IAM COMPACT CDE plan is established vis-à-vis a set of specific time-bound targets which, if met will be indicative of its overall success (**Table 6**). Each of these encompasses a set of traceable objectives and straightforward actions arranged under the three major pillars of the IAM COMPACT CDE strategy: Communication, Dissemination, and Exploitation.

**Table 6.** CDE performance indicators.

Activity	Objectives	Audience	Monitoring Tool	CDE Indicator	Planned >
IAM COMPACT visual identity	Creating distinctiveness and appeal of the project	All SHs groups	Summary of all monitoring means		
	Facilitating data harmonisation and modelling. Fostering stakeholder co- creation of modelling assumptions, parameters, and scenarios.	Policy, industry, academia	Google Analytics, GitHub metrics (viewers, forks, etc.)	Total visitors Unique	9,000
Enhanced I <sup>2</sup> AM PARIS platform & model documentation				visitor/year Return of visitors (40%)	3,000 3,600
				Bounce rate (<50%)	4,500
	Aiming to present and		Google	Total visitors	9,000
Project website	disseminate the project's results as well as to be a	All SHs groups Analytics (account set up when the website launched.)  Analytics Unique visitor/year Return of visitors (40%) Bounce rate (<50%)		1	3,000
•	referenced source with useful material and links		3,600		
	related to the climate debate		lauricrieu.)		4,500
	Creating awareness and informing stakeholders on	All SHs groups	Email monitoring system; Website download analytics	Total rate	5,200
Commentaries, briefs, monthly newsletters	ICIS, progress; reports and			No. of recipients/ downloads	4,000
				Opening rate (30%)	1,200
	Creating awareness and familiarity with the project topic, objectives, and results	project and results and All SHs groups Twitter and LinkedIn analytics, Twitter and LinkedIn analytics, Twitter Instagram	LinkedIn analytics,	Total followers	0
				LinkedIn	500
Social Media channels	among citizens,			Twitter	N/A
	policymakers, scientists and other groups			Instagram	N/A
	otrici groups		hashtag on SoMe	1,000	
Infographics and	Creating awareness and familiarity with project objectives and results	Civil society,	YouTube/Ins tagram statistics;	Videos views	1,500
Videos	s (especially among non- experts)	policymakers	Mo. of downloads	Infographics downloads	400
Open access self- learning training material	All the training material developed in Task 6.5 is publicly available and used in case-study countries and by stakeholders	Young modelling teams	Google Analytics	Downloads/ training kit	100
Blog posts, press releases, articles on news sites	Articles on climate, environment, energy, biodiversity, and	Civil society	Media monitoring, Copies of articles  No. of articles/press releases		15

Activity	Objectives	Audience	Monitoring Tool	CDE Indicator	Planned >
	sustainability in leading news/media websites/blogs		shared on the website		
Networking activities with EU projects under the same or relevant topics	Creating awareness of the project and sharing results among the energy research, social science, and modelling communities	Academia	Digital monitoring, No. of joint papers & acknowledge d projects in papers	No. of project references in relevant projects (websites, reports, etc.), joint papers and project meetings	20
A final EU Conference	Sharing the final project results	All SHs groups	No. of attendees; minutes; photos	Audience (70-100)	70
Scientific Outreach	Academic dissemination of the project's results (open	I Academia I I	Digital	Total dissemination results	65
	access)		monitoring	Papers	35
				Conferences	30

# 3 Implementation of the IAM COMPACT CDE plan

Overall CDE activities are essential for the effective take-up, the overall success of IAM COMPACT and the long-term post-project impact the IAM COMPACT consortium aims for. To better support and manage these activities, the IAM COMPACT CDE plan distinguishes between communication, dissemination, and exploitation in line with the official EC definitions<sup>5</sup>.







#### Communication

Communication starts at the onset of the project and continues throughout its lifespan with the aim to create awareness, in terms of promoting and informing about the project and its results to its multiple targeted audiences. In the broadest terms communication means reaching out to society and explaining the intended research in a way that is best understood nonspecialists.

### **Dissemination**

Dissemination starts only after the project's key results are available and focuses on making them public by any means. As such, dissemination aims to transfer and circulate knowledge to the ones who will or can make the best use of it while maximising impact. The key purpose is to pave the way towards the third pillar of the planned CDE strategy, that is the exploitation phase.

### **Exploitation**

Exploitation can only start once the research results are available, focusing on making concrete use of them for commercial, societal, and/or political purposes. Depending on the nature and scope of each project, a wide spectrum of results may be recognised as exploitable, such as policy recommendations and briefs or standardisation activities.

Overall, communication and dissemination activities are horizontal and concentrate on distributing the results of IAM COMPACT to a wide range of existing or potential stakeholders respectively. Exploitation activities on the other hand seek to achieve different goals, towards different targets, in different phases of an action, having in each case different materials available. The overarching goal is to maximise the expected impacts and boost the project's sustainability through the most profitable scientific, economic, political or societal routes, beyond the project duration.

<sup>&</sup>lt;sup>5</sup> Source: <a href="https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/support/glossary">https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/support/glossary</a>



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# 3.1 The implementation agenda of the IAM COMPACT CDE plan

The IAM COMPACT CDE plan is articulated in consistency with the general IAM COMPACT implementation plan, which is broken down into three phases, a six-month preparatory phase, followed by the two co-creative modelling cycles in support of climate policy (**Table 7**). Each of them further comprises intertwined work across five IAM COMPACT pillars, "Listening", "Exchanging", "Modelling", "Expanding", and "Explaining", and their corresponding work packages (WPs 2-6). As it is expected, such a time-planning will allow for the rigorous coordination and management of the CDE plan itself, while at the same time ensuring smooth collaboration among the diverse IAM COMPACT key activities.

Table 7. Implementation timeline.

Table 7. Implementation timeline.					
CDE plan timeframe – "Explaining" Pillar					
CDE strategy phase	Phase 1: Communication	Phase 2: Dissemination		Phase 3: Exploitation	
IAM COMPACT	Preparatory stage	1 <sup>st</sup> Co-creative Cycle		2 <sup>nd</sup> Co-creative cycle	
CDE plan	Initial awareness phase	Targeted dissemination phase  Month 7-21		Presentation of results	
Timing	Month 1-6			Month 22-36	
Methodological Pillars	Listening	Exchanging	Modelling	Expanding	
WPs	WP2	WP3	WP4	WP5	
WP objective	Ensuring policy relevance and ownership	Open & FAIR science mutual learning	Quantitative evidence in support of post-2030 Paris- compliant climate action	Resilient, inclusive and sustainable recovery and development	
WP activities	Operation of a PRM Co-creation of the research process and new knowledge Engagement with policymakers in the EU and other countries Scoping of policy and stakeholder needs Linking questions to the right models	FAIR principles Open protocols Model coherence, comparability and consolidation Harmonisation of input data sources Coordinated scenario design Open access to new code, papers and databases	Diverse ensemble (global, regional, sub-/national and sectoral models)  Detailed coverage of all sectors and their interlinkages  Multi-model runs & intercomparisons  Post-2030 NDCs, (inter-) national scenarios	Better real-world policy representation in models  Deep uncertainty & disruptive innovation  Holistic context of sustainability, incl. equity, biodiversity & biophysical limits  Behaviour change, social innovation, gender, sequencing of transition	
CDE plan activities	Raise awareness Generate understanding Incite engagement	Engage and ensure impact		Engage Maximise impact Ensure result's uptake	

# 3.1.1 Phase 1: Communication strategy (M1-M6)

The IAM COMPACT communication strategy outlines the overall approach for communicating strategically about IAM COMPACT to the wider public, including all groups of relevant stakeholders. Being implemented at the first (Preparatory) stage (M1-M6) of IAM COMPAPCT, it is articulated around a more "pedagogical" vision of the project to gradually convey and establish an image of a recognised expert, while ensuring that awareness is raised on it. Communication efforts will run throughout IAM COMAPCT's implementation to support dissemination and exploitation.

The IAM COMPACT communication strategy (**Table 8**) unfolds alongside the activities of the "Listening" pillar and complements them, in terms of its contribution to the engagement efforts deployed under the IAM COMPACT stakeholder engagement strategy ( $D2.1^6$ ).

**Table 8.** Summary of the communication strategy.

Short summary of the communication strategy				
Goal(s)	Raise awareness of IAM COMPACT to have policy-makers and modelling networks understand and take ownership of it.  Pave the way towards the dissemination strategy implementation.			
	Develop and update a dynamic strategy for the project's visibility and the overall CDE activities,			
A chi viti o c	Establish strong presence in social media channels and 'teaming up' with Twitter/LinkedIn/Instagram climate personalities,			
Activities	Networking and clustering activities with sister/other EU projects under the same or relevant topics			
	Inviting policymakers, industry representatives, and members of civil society (NGOs, climate activists, etc.) to join the core working groups guiding research.			
Core messages	What is IAM COMPACT? Where is it going? What is in it for me?			
Target audience(s)	Interested general public/non-specialised stakeholders.			
	Non-specialised media and press outlets			
Secondary audience(s)	Specialised stakeholders across the spectrum of policy-makers and modellers.			

<sup>&</sup>lt;sup>6</sup> More on Policy Response Mechanism can be found in Heussaff, C. (2022), *Stakeholder engagement plan. (D2.1).* IAM COMPACT. https://www.iam-compact.eu/sites/default/files/2023-01/D2.1%20Stakeholder%20Engagement%20Plan v1.00 SUBMITTED.pdf





#### 3.1.1.1 Communication channels

### IAM COMPACT website

The IAM COMPACT website (**Figure 5**) is the central online tool of all IAM COMPACT promotional efforts along all three stages, communication, dissemination and exploitation, of the CDE strategy. As such it serves as the main window of the project towards the outside world in order to raise awareness about IAM COMPACT, attract, connect and regulate the relationships with the whole stakeholder ecosystem that are expected to be engaged in IAM COMPACT, and inform them on the ongoing progress throughout its three-year lifetime.

More than that, it constitutes a digital information hub that holds all IAM COMPACT achievements, media channels and social media platforms in one place, making them available for public use, consultation and further dissemination.

Most importantly, it provides direct links to the project networking synergies and to the I<sup>2</sup>AM PARIS platform, delivered in the framework of the H2020 PARIS REINFORCE project and co-designed with policymakers and other stakeholder groups to promote interaction with modelling assumptions, scenarios, and results, in a unique straightforward and informative way<sup>7</sup>.

It is designed thus as a modern online all-inclusive tool that promotes two-way dialogue and transparency of all IAM COMPACT scientific capabilities and processes, assumptions and results, including as well the climate-economy, energy system, and sectoral models covering the project's broad modelling ensemble. IAM COMPACT website operates under the URL <a href="https://www.iam-compact.eu/">https://www.iam-compact.eu/</a> and has been made publicly available on January 2023. It is of IAM COMPACT's intention that the website will remain active for up to four years after the end of the funded period.

More information on the IAM COMPACT website, its design and technical and operational features is given in D1.1-"IAM COMPACT visual identity & website"<sup>8</sup>.



Figure 5. The IAM COMPACT website.

### Social media accounts

Successful social media activities will help IAM COMPACT to increase its visibility, so being targeted to reach a range of different audiences, each using the most appropriate tools and channels. The overall idea is for social media platforms to "deconstruct" IAM COMPACT and break it down to understandable and highly accessible content (announcements, results, breakthroughs, etc.).

Key content to be disseminated on social media may include, but is not restricted to:

Updated information will be also given in the upcoming the respective reports, D3.8 - I<sup>2</sup>AM PARIS V.2.0 and D3.9-I<sup>2</sup>AM PARIS V.2.0 - Update.

8 Frilingou N. (2022), *IAM COMPACT visual identity & website (D1.1)*. IAM COMPACT. <a href="https://www.iam-compact.eu/sites/default/files/2023-01/D1.1%20IAM%20COMPACT%20Visual%20Identity%20%26%20Website v1.00 SUBMITTED.pdf">https://www.iam-compact.eu/sites/default/files/2023-01/D1.1%20IAM%20COMPACT%20Visual%20Identity%20%26%20Website v1.00 SUBMITTED.pdf</a>



<sup>&</sup>lt;sup>7</sup> Detailed information on I<sup>2</sup>AM PARIS are available on Frilingou N. & Nikas A. (2023), *I*<sup>2</sup>AM PARIS upgrade plan (D3.1). IAM COMPACT. <a href="https://www.iam-compact.eu/publications/deliverables">https://www.iam-compact.eu/publications/deliverables</a>

- > Announcement of IAM COMPACT and the consortium partners.
- > Presentation of IAM COMPACT's milestones (as laid out in the 5-pillar methodology), with special emphasis on the PRM and its two co-creation cycles.
- > Presentation of the I<sup>2</sup>AM PARIS platform.
- > Presentation of IAM features to highlight the aggregate value of IAM COMPACT.
- > Promotion of various scientific and policy-oriented activities, events, seminars, conferences etc.
- Promotion of relevant activities of the IAM COMPACT networking and synergies.
- > Testimonies and success stories.

A specific editorial calendar, visual branding and hashtags support the immediate identification of IAM COMPACT social media content, whilst a number of relevant hashtags are used to maximise the project's outreach to a broader audience that is interested in IAMs but has not yet heard of IAM COMPACT. In addition, IAM COMPACT will maximise its reach-out by tagging key accounts (i.e, @cinea\_eu, @EU\_HORIZON, @EUScienceInnov, @REA\_research) and using relevant hashtags. IAM COMPACT Project Advisor (PA) is also being notified and will be further notified in advance in case of important campaigns to be launched to ensure that key accounts from the European Commission support IAM COMPACT in spreading the word.

**Table 9** summarises the key elements of the IAM COMPACT social media strategy.

**Table 9.** Summary of the social media strategy.

Social Media Channel	Aim	Plan	Hashtags	
LinkedIn	Promote IAM COMPACT's visibility and reputation in the policymaking, modelling-research and scientific community, as well as civil society.	3 posts/week	Key hashtag:  #iamcompact  Other topic-oriented hashtags #climatepolicy #energypolicy #modelling #sustainable #climate #parisagreement #NDC #policy #EU #research #SMEs #energy #climatechange #emissions #sustainabledevelopement #businessmodels #2030agenda #emissions #energytransition #horizoneurope, #experts, #research, #Europe, #tools, #international, #policy, #climate, #models, #parisagreement #businessmodels, #energypolicy, #climatechange, ##sustainablelifestyles, #climatecrisis, #decarbonisation	
Twitter	Promote IAM COMPACT's visibility and reputation in the policymaking and modelling-reach community.	2-3 posts/week		
Instagram	Promote IAM COMPACT's visibility and reputation in civil society.	2-3 posts/week		
Youtube	Promote IAM COMPACT's visibility and reputation in the scientific and modelling-reach community and civil society.	Ad hoc posts on IAM COMPACT progress		

### LinkedIn

Almost from the onset of the project, the IAM COMPACT social media presence is heavily established on LinkedIn (Figure 6) and the official IAM COMPACT LinkedIn account is effectively used to build a more targeted "follower club" within the framework of the overall CDE activities. At the time of reporting, a broader indirect online "promotional" effort is ongoing, announcing the IAM COMPACT vision and consortium partners on the IAM COMPACT LinkedIn network.

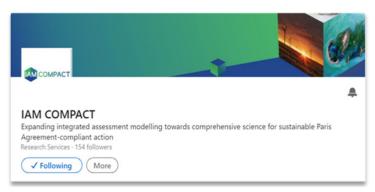


Figure 6. LinkedIn account.



Figure 7. Twitter account.

### Instagram

IAM COMPACT holds and operates an <u>official</u> <u>profile</u> on Instagram (**Figure 8**), one of the most popular social media platforms for sharing photos and videos. Via its Instagram channel, IAM COMPACT expects to further promote its brand to the wider public by sharing meaningful and stunning online content that's primarily image-based.

## Twitter

Twitter (**Figure 7**) is an online social media networking channel, ideal for sharing short announcements of the IAM COMPACT key news and "teaming up" with influencing climate personalities (policymakers, modellers and researchers) at a pan-European and global level. At the time of reporting, the same "Meet the Partners" social media campaign as the one implemented via LinkedIn, is running on the <u>IAM COMPACT Twitter account</u>, yet accordingly adjusted.



Figure 8. Instagram profile.

### YouTube channel

The web presence of the IAM COMPACT project has been also enriched with the opening of its official <u>YouTube channel</u> (**Figure 9**) which will be used to host and promote a wide variety of videos realised in the framework of the research conducted, such as explanatory videos, interviews or recordings of presentations in public events and keynotes speeches etc. Considered as one of the most powerful video-sharing platforms worldwide, YouTube will serve as an important cross-channel communication tool, allowing for IAM COMPACT's video content to be uploaded in a user-friendly and durable environment, from which it can be additionally shared via the various aforementioned social media tools and networks.

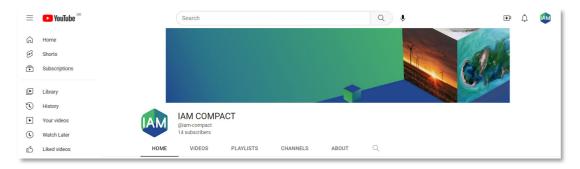


Figure 9. YouTube channel.

### Consortium partners' websites and social media channels

Announcements and news on the progress of IAM COMPACT as well as upcoming events are and will be regularly uploaded on IAM COMPACT consortium partners' websites and social media channels for communication and further dissemination purposes.

## 3.1.1.2 Communication pack

IAM COMPACT's standard communication pack is composed of a set of visual components associated with the project's trademark identity, such as the logo and the overall visual and graphical elements that will help identify and distinguish IAM COMPACT's brand in the external stakeholders' minds. As such, it is developed to give consistency to the project communication and to support awareness of it, while building a unique brand name that can stand out and endure.

Most of the visual communication means have already been produced under D1.1 -"IAM COMPACT visual identity and website", while some others will be prepared in due time. In the end, all of them will serve as a practical framework for all the IAM COMPACT CDE activities and products and will evolve together with the evolution of the project.

## IAM COMPACT logo

IAM COMPACT logo (**Figure 10**) shares a clear and modern design that reveals the multi-dimensionality of the project: a conceptual representation of the project. It is graphically appealing yet simple and manageable, so easily conceived and memorable.



**Figure 10.** Final logo.

In short, the logo comprises the basis for the project's graphical identity. To that end, it determines the colour

choices and fonts adopted in all IAM COMPACT document templates, including all promotional and dissemination

<sup>&</sup>lt;sup>9</sup> Frilingou N. (2022), *IAM COMPACT visual identity & website (D1.1)*. IAM COMPACT. <a href="https://www.iam-compact.eu/sites/default/files/2023-01/D1.1%20IAM%20COMPACT%20Visual%20Identity%20%26%20Website v1.00 SUBMITTED.pdf">https://www.iam-compact.eu/sites/default/files/2023-01/D1.1%20IAM%20COMPACT%20Visual%20Identity%20%26%20Website v1.00 SUBMITTED.pdf</a>



material as well. Specific guidelines on how it should be used for each of the project's different activities and on different backgrounds, as well as indications on its placement, font and colours are described in detail in D1.1"IAM COMPACT visual identity and website"

10.

## **Graphical Identity**



IAM COMPACT's graphical identity (Figure 11) includes fonts, colours and texts directly derived from the project logotype. Given that it will be applied in all project documentation and all CDE activities (deliverables, presentations, invitations etc.), both written and digital, specific guidelines on how it should be used are described in detail in D1.1-"IAM COMPACT visual identity and website"11.

Figure 11. Graphical identity.

## Flyer

A project flyer (**Figure 12**) with general information on IAM COMPACT and its vision has been created and translated into all IAM COMPACT consortium partner's languages at M4.

The IAM COMPACT flyer is publicly available for downloading via the IAM COMPACT website (<u>link</u>). It will be distributed to project partners and used at future events that the IAM COMPACT consortium is/will be organising and/or participating in.



Figure 12. Flyer.

<sup>&</sup>lt;sup>11</sup> Frilingou N. (2022), *IAM COMPACT visual identity & website (D1.1).* IAM COMPACT. <a href="https://www.iam-compact.eu/sites/default/files/2023-01/D1.1%20IAM%20COMPACT%20Visual%20Identity%20%26%20Website v1.00 SUBMITTED.pdf">https://www.iam-compact.eu/sites/default/files/2023-01/D1.1%20IAM%20COMPACT%20Visual%20Identity%20%26%20Website v1.00 SUBMITTED.pdf</a>



<sup>&</sup>lt;sup>10</sup> Frilingou N. (2022), *IAM COMPACT visual identity & website (D1.1).* IAM COMPACT. <a href="https://www.iam-compact.eu/sites/default/files/2023-01/D1.1%20IAM%20COMPACT%20Visual%20Identity%20%26%20Website\_v1.00\_SUBMITTED.pdf">https://www.iam-compact.eu/sites/default/files/2023-01/D1.1%20IAM%20COMPACT%20Visual%20Identity%20%26%20Website\_v1.00\_SUBMITTED.pdf</a>

### Leaflet

A short trifold IAM COMPACT leaflet (**Figure 13**) was prepared in M4 for dissemination among stakeholders, at conferences and to other interested parties, which briefly describes the IAM COMPACT aims, objectives, contents, expected results and participants.

The IAM COMPACT leaflet has been translated into all IAM consortium partners' languages and has been made publicly available for download via the IAM COMPACT website (<u>link</u>).



Figure 13. Leaflet.

The CDE plan foresees that updated versions of the original IAM COMPACT leaflet may occur as the project progresses, to accommodate and convey all new information resulting from future project achievements.

# Poster and Roll-up banner



Figure 14. Poster and Roll-up banner.

An IAM COMPACT publicity poster (**Figure 14**) was designed in M4 and it will be used as promotional material at future events organised by consortium partners or hosted by other relevant parties and the EC.

It briefly displays the IAM COMPACT's:

- √ key concept and objectives,
- ✓ consortium partners and
- ✓ contact details.

The IAM COMPACT poster has been made publicly available for download via the IAM COMPACT website (link).

Together with the IAM COMPACT publicity poster, a roll-up banner (**Figure 14**) was created in M4 for the same dissemination and exploitation purposes and has also been made publicly available for download via the IAM COMPACT Website (<u>link</u>).

## Standard presentation

A standard presentation (**Figure 15**), with three different cover variables, introducing briefly IAM COMPACT was created in M4, for both communication and dissemination purposes at relevant events.



Figure 15. Standard presentation.

The IAM COMPACT presentation has been made publicly available for download via the IAM COMPACT website (<u>link</u>). As is foreseen, its original presentation will be regularly updated or/and it might be adapted by the IAM COMPACT consortium partners according to their specific needs each time.

# Working document templates

IAM COMPACT templates have been prepared for all the working documents (**Figure 16**), such as reports and deliverables, together with a presentation template in Microsoft PowerPoint. The latter is to be used for all IAM



Figure 16. Working document template.

COMPACT meetings and workshops, as well as for participation in external events. For that reason, it is developed to be easily adaptable in terms of its content, style and structure according to the audience of each event, special targets, etc.

A template for press releases/newsletters has been prepared, to be adapted in different ways and easily reproduced for every medium. It is designed to be eye-catchy and provides all key information about IAM COMPACT, such as consortium synthesis, links to social media accounts, etc. The textual content will be agreed upon each time in advance with the project coordinator (NTUA), so as to be in line with the most recent achievements and as tailored as possible to its final recipients. Finally, alternative templates for other publications, such as Policy briefs and Commentaries, have been designed to be used in electronic and printed versions.

# Videos & Infographics

The IAM COMPACT CDE plan places special emphasis on the appropriate visualisation of the project's key exploitable outputs, through videos and interactive infographics in order to make them more attractive and easy to be used by target groups. More than that, both can provide comprehensive visual representations of information/data/knowledge of a complex system quickly and clearly. As such, in terms of IAM COMPACT, they can be used to clearly illustrate and/or simulate the transition dynamics of different climate change mitigation pathways and adaptation strategies in different societal and policy contexts or how climate-related models can "talk" to each other under different scenario cases.

In the given moment, a number of explanatory videos regarding the diverse national and global sectoral models employed by IAM COMPACT, have been already created and uploaded on the project's official YouTube channel (link), while two infographics are publicly available via the project's website (link). As future planned activities, the IAM COMPACT CDE plan foresees that additional promotional videos and infographics will be created in the course of the next months when the IAM COMPACT integrated model toolbox will be ready.

#### 3.1.1.3 Communication activities

### **Commentaries & Newsletters/Press Releases**

A regular flow of a number of short commentaries will be facilitated by the IAM COMPACT CDE plan. All of them will be made publicly available via the IAM COMPACT website (<u>link</u>) and consortium partner's websites, as well as at relevant conferences in a printed format. Additionally, when appropriate, commentaries can also be disseminated bilaterally.

Apart from that, a regular distribution of newsletters informing on the project progression, news and activities is foreseen on a monthly basis. Apart from that, ad-hoc newsletters will be sent upon preparation of the policy steering groups and the 2 co-creative cycles as well as before any other event or capacity-building workshop, so they can serve to attract new stakeholders.

When appropriate, occasionally press releases may be circulated to all IAM COMPACT targeted stakeholder groups, focusing mainly on non-academic ones. Press releases may be translated into the national languages of all the partners and will be distributed to press agencies of their countries to ensure proper circulation of the information.

# Internal meetings presentations/workshops Kick-off meeting

Regarding internal meetings, a two-day hybrid kick-off meeting was held in M1 in Athens, during which an overall overview of IAM COMPACT was provided to participants. In particular, during the first day, the focus was on presenting the main information regarding the participating partners and their role in the project. During the second day, a detailed overview of the project's work plan was discussed in tandem with a detailed analysis of all Tasks in each Work Package (WP). In addition a set of presentations took place regarding modelling aspects that will affect the project. Furthermore, key actions to support IAM COMPACT's implementation in respect of its first year's deliverables and milestones were agreed upon.

Representatives from all the 22 IAM COMPACT consortium partners actively participated in the meeting and highlighted the expertise of their institution as well as their contribution to the project's aim.

### Workshop presentations

Starting in November 2022 onwards, IAM COMPACT held a series of virtual internal presentation/workshop sessions, dedicated to presenting the modelling methodologies, assessing the exploitable potential and/or caveats of each, and identifying ways to reach interested stakeholders. All sessions are and will be recorded and accessible for all IAM COMPACT consortium partners via the internal communication system (Sharepoint). The objective is thus to increase internal understanding of IAM COMPACT and the chances to facilitate ownership of what the project will provide in the short, medium and long term.



## Internal communication and regular consortium meetings

To further ensure smooth cooperation and interaction, and safe exchange of information within the IAM COMPACT consortium, partners have agreed, and the project coordinator (NTUA) has established, internal communication channels -as early as the kick-off meeting- which mainly include:

- Monthly Executive Board (EB) remote meetings to discuss project progress and/or any areas of concern
  which are then followed up with partners, thus ensuring that the project is on track towards achieving its
  objectives and vision.
- General Assembly (GA) meetings on a six-month basis to enable all partners to keep abreast of all major
  updates in the project, discuss in more detail and agree on the next steps for each Work Package (WP),
  ensuring that all procedures and objectives set are well-understood and acceptable.
- Weekly updates delivered by the project coordinator in the form of an e-mail to inform IAM COMPACT
  partners about the latest updates regarding the implementation of the project, ensuring that all partners
  have an up-to-date overview of the project's progress.

Processes and tasks for internal communication have already been established since M1 and are coordinated by the project coordinator (NTUA). More information will be given in the upcoming public report, "D1.2-Quality Management Plan").

### Stakeholder databases

In addition to the internal stakeholder database, built under Task 2.2 – "Establishing the stakeholder database and policy steering groups", the IAM COMPACT CDE plan sees value in identifying various external sources and platforms that allow easy and targeted information diffusion. IAM COMPACT will use these channels to disseminate articles and news published on the website, promote events, disseminate project findings and results, and ensure a constant connection with a wider range of stakeholders and individuals interested in receiving and exchanging information on the topics addressed by the project.

IAM COMPACT will also examine all opportunities offered by the <u>International Institute for Sustainable Development (IISD)</u>, which provides a variety of peer-to-peer mailing lists on topics related to climate action and sustainable development. Focus will be on the SDG, CLIMATE-L and ENERGY-L community announcement lists for policymakers and practitioners in the field of sustainable energy and climate change policy. Circulating IAM COMPACT's general announcements (newsletters, press releases, calls and invitations to national, EU or international events) via this channel is expected to generate extra value for the project's dissemination and exploitation efforts.

# 3.1.2 Phase 2: Dissemination strategy (M7-21)

Dissemination refers to the public disclosure of IAM COMPACT scientific results by any appropriate means and promoting their use by interested parties,. As such, it should be considered and carried out as a set of long-term and more targeted activities to allow the community of reference to mature their knowledge along with the evolution of the project.

The strategic planning and the main steps of our approach are summarised in the following **Table 10**.

**Table 10.** Summary of the dissemination strategy.

Short summary of the dissemination strategy.				
Goal(s)	Enhance the IAM COMPACT stakeholder database.  Promote exchange and open dialogue between IAM COMPACT and external stakeholders to co-create solutions and practices, produce demand-driven "system-level" impacts and potentially consolidate policy recommendations.  Implement means sharing IAM COMPACT's novelties with all identified synergies so that they can benefit from it and, hopefully, put them into use in actual policy-making.			
Activities	Continuous dissemination of results within the policy steering groups (of 3-5 policymakers/exercise) and core working groups (of 10-20 stakeholders/exercise),  Contribution to scientific assessments (IPCC reports), coordination with other projects, participation in the activities of EMF, IAMC, EMP-E, openmod, etc.,  Scientific publications and special issues in high-impact journals and conferences,  Knowledge dissemination via I²AM PARIS, a vessel of the modelling community, in dedicated workspaces featuring inputs, outputs, explanations, visualisations, and model specs in technical and non-technical language.			
Core messages	n/a -To be defined in accordance with the next sub-objectives:  Enhance the science-policy interface: Pave the way to enhanced interdisciplinary and transnational collaboration on IAM-oriented policy-making.  Enhance policy relevance: Lay the foundation to be the driving force for policy recommendations societally accepted.  Enhance ownership: Share IAM COMPACT experience, lessons learned and results with the identified synergies.			
Target audience(s)	Local, regional, national and European policy-makers and stakeholders.  Modelling communities and networks.  Academia/ Representatives of EU-funded project's consortia  European Commission (i.e., DG Research and Innovation, DG Energy)			
Secondary audience(s)	Specialised/scientific media and press outlets Industry and business associations			

#### 3.1.2.1 Dissemination channels

## I<sup>2</sup> AM PARIS

The <u>I² AM PARIS platform</u> was developed under the H2020 PARIS REINFORCE project to facilitate the exchange of inputs and outputs among the international modelling community and was then further expanded to represent sectoral insights (in H2020 NDC ASPECTS), integrating as well social sciences (in H2020 ENCLUDE). As such, it will be the main vessel for coordinating, storing, and providing open access to the IAM COMPACT's modelling processes, so de facto allowing for knowledge exchange among international modelling teams, while accommodating insights from socioeconomic sciences and humanities into modelling work. In this regard, it will also enable mutual learning among heterogeneous scientific communities and will ensure open exchange of information among academia, the policy community, and civil society, featuring both a scientific and a public interface.

#### PRM & Policy steering groups

Interaction with policymakers and other stakeholders forms one of the main pillars of the project. A series of interactions with policy steering groups will take place in line with the two PRM co-creation cycles, to inform our activities and outcomes and ensure their relevance. These will also serve as dissemination for where knowledge and information generated will be shared/discussed. In particular, during the 1<sup>st</sup> co-creation cycle, stakeholders will help identify relevant policy questions, appropriate models to answer them, and sets of key assumptions, expectations, and scenarios. After producing the first round of results, stakeholders will help refine policy questions, assumptions, and modelling ensembles, before helping co-produce the policy brief.

#### Networking & Synergies

IAM COMPACT builds strongly on its networks in order to enlarge its pool of followers and eventually ensure the broader dissemination of its findings and results. In fact, networking, if used strategically, will allow for a broader engagement and will ease the creation of a large stakeholder community around IAM COMPACT. Furthermore, it will enhance the dissemination of the project results to a specialised and professional audience.

#### EC-funded sister projects and initiatives

Given that IAM COMPACT considers ways and means to create synergies with and among sister EU-funded projects, including projects under LC-CLA-01-2018, LC-SC3-CC-2-2018, LC-CLA-10-2020, CL5-2021-D1-01 and CL5-2022-D1-02, one of the primary objectives for CDE plan within the given period is to identify and map a number of relevant initiatives to ensure workable and meaningful partnership.

An indicative list of priority EU research actions with similar orientations is presented in **Annex 1.** As the project unfolds and starts to develop its first results, the list will be continuously upgraded to include new affiliations. This will be done in close collaboration with Task 3.5 - "Collaborating with and creating synergies among modelling research projects", led by NTUA.

#### Networks & Consortia

To support the IAM COMPACT's networking potential and amplify outreach efforts toward supporting national/global climate targets, the CDE plan has also drafted an initial list of key modelling communities and consortia that have been successfully operating for years worldwide. Almost all of them are dedicated to promoting knowledge exchange among modelling groups, with some focusing on open-source tools or capacity building for sustainable development.

The list at hand is available in **Annex 2** and as in the previous case, it will be continuously refined and enhanced throughout the project in close collaboration with Task 3.5.

#### Online collaboration platforms

IAM COMPACT intends to use different online collaboration means in order to communicate and further disseminate its research results. IAM COMPACT has identified an indicative list of some well-known platforms and

forums (**Table 11**), which could provide a common space where knowledge can be exchanged between peers from different disciplines and geographic scales, in respect of IAM COMPACT's key topics.

**Table 11.** Indicative list of online collaboration platforms.

Online collaboration platforms	Website link
Capacity4Dev	https://europa.eu/capacity4dev/
Climatechangemitigation.eu	http://climatechangemitigation.eu/
Climate-ADAPT	https://climate-adapt.eea.europa.eu/
GitHub	https://github.com/
IISD SDG Knowledge Hub	http://sdg.iisd.org/

As IAM COMPACT progresses towards its first research results, IAM COMPACT will explore all options available and decide on which platform best accommodates its overall CDE purposes and needs.

#### Open access databases & Repositories

The IAM COMPACT CDE plan suggests a number of data repositories and repositories to be used to ensure open access (free of charge, online access for any user) to all project's key exploitable results including peer-reviewed scientific publications or any other accomplishment with a high potential value to be "exploited". An indicative list is presented below (**Table 12**):

**Table 12.** Indicative list of open access databases & repositories.

Open Access Databases & Repositories	Website link
OpenAIRE	https://www.openaire.eu/
Zenodo	https://zenodo.org/
HORIZON Results Platform	https://ec.europa.eu/info/funding- tenders/opportunities/portal/screen/opportunities/horizon- results-platform
Open Research Europe	https://open-research-europe.ec.europa.eu/

#### 3.1.2.2 Dissemination Activities

#### Dissemination towards the Advisory Board

To broaden the impact of the project, an IAM COMPACT Scientific Advisory Board (SAB), consisting of key scientific and policy experts in the climate dialogue and the broader context of sustainable development, has been already set up from M2. Under the guidance of the management board, the external members of the IAM COMPACT SAB will be invited to provide feedback on the expected project results, allowing as well a better understanding of the consequences and impacts from the targeted stakeholders' corresponding perspective. To that end, 'ad-hoc' meeting reviews are foreseen to foster active participation of the SAB members to steering the overall work of the project, including but not limited to the scope, transparency, and legitimacy of activities and methods applied as well as to offer independent impartial advice on potential areas for improvement and new avenues to explore. The latter is expected to enhance the robustness and dissemination of the IAM COMPACT' produced results.

#### News & Media Website - Articles/Blogs

IAM COMPACT is expected to publish more than 15 articles and/or blog posts on climate, environment, energy, biodiversity sustainability and other similar topics via traditional or online media, including high-calibre blogs and news/media websites, at national, European and international scale. Our intention is to communicate the IAM COMPACT research agenda in a non-technical language.

An indicative list of leading digital news and media channels is presented below (**Table 13**):

**Table 13.** Indicative list of leading news and media channels.

News and Media Channels	Website link
EC Website (CORDIS)	https://cordis.europa.eu/project/rcn/223239/factsheet/en
Research and Innovation Success Stories	https://ec.europa.eu/research-and- innovation/en/projects/success-stories
EURACTIV	https://www.euractiv.com/
The Conversation	https://theconversation.com/
ClimateChangePost	https://www.climatechangepost.com/
The Guardian	https://www.theguardian.com/
Research*eu	https://cordis.europa.eu/research-eu/home_en.html
HORIZON magazine	https://ec.europa.eu/research-and- innovation/en/horizon-magazine
The Beam	https://the-beam.com/

As the project evolves, it is expected that the list will be further updated and refined. This will be done in close collaboration with Task 6.2 – "Visualisation, policy briefs and other publications targeting policy and non-academic audiences", led by Bruegel, and by drawing strongly on each partner's contribution.

If deemed appropriate, articles and relevant publications may be translated into IAM COMPACT consortium partners' national languages. In all cases, an English version will be made publicly available via the IAM COMPACT website (link).



#### Joint Activities/Multi-scale meetings and networking

Coordination and networking with other similar research projects and initiatives, including most importantly, the international modelling community and other R&I actors, in tandem with experts from different scientific fields and other stakeholders, is expected to enhance the transdisciplinary communication and dissemination activity or better organising the implemented research in respect of the climate policy co-creation field. Furthermore, IAM COMPACT will use these routes also to disclose its results to the broader research community, whenever the firsts will be ready, and strengthen the flow of knowledge exchange within and outside the consortium among the broad modelling and non-modelling research landscape.

I<sup>2</sup> AM PARIS and its enhancement as well as working exclusively with FAIR data and open science practices, will facilitate the efforts. In addition, the IAM COMPACT consortium partners' place in the European research landscape<sup>12</sup> is expected to play a key role in boosting the possibility of implementing a number of joint activities.

#### **Scientific publications**

The major tool to reach one of IAM COMPACT's key audiences, the scientific community, is that of disseminating the scientific publications stemming from the project's results. In particular, more than 35 scientific publications and papers are planned, focusing on contributing to IPCC reports and on facilitating activities of the broader modelling community, while significant effort will be put into promoting all new modelling exercises or models developed within IAM COMPACT for future scientific assessments.

IAM COMPACT Coordinator (NTUA), with the active contribution of the consortium, will draft a list of related topics, where IAM COMPACT articles would be valuable, yet, when appropriate, IAM COMPACT consortium partners will be encouraged to think of their own. Furthermore, NTUA, again with the active contribution of all IAM COMPACT consortium partners, will draft an indicative list of peer-reviewed journals that might be more suitable to the identified topics and to the IAM COMPACT topic research agenda. Both lists will be made available in due time and will be regularly updated.

All scientific publications will be made publicly available via the IAM COMPACT website ( $\underline{link}$ ). At the same time, in keeping with the European Commission's guidelines on open-access publications, all publications will be made available via the I²AM PARIS platform as well as official open-access repositories and databases, such as those presented earlier (sub-section 3.1.2.1). Furthermore, IAM COMPACT consortium partners will be motivated and assisted in publishing their results in open access, peer-reviewed journals and working paper series, including as well at least one special issue/collection.

To keep track of the IAM COMPACT publications, a methodology has been established along with an .xls-based spreadsheet to keep records of all required details, such as type of publication, reference, official link, repository, link to repository, authoring partners etc. This online spreadsheet acts as a guide for Task 6.1 partner that leads the CDE activities to plan relevant actions, such as disseminating the publications further through the project website and/or social media.

#### Scientific conferences and non-scientific events

Apart from scientific journals and highly specialised media, partners are invited to submit publications to a number of selected conferences and scientific events, to generate an understanding of the project activities and engage the stakeholders. This will allow us reach as many people as possible, share our experience and our emerging or completed results, engage in meaningful dialogue whilst asserting IAM COMPACT's key role in co-building the European IAM-oriented policy landscape and its scientific excellence. In addition, participation in a number of public events will yield as well a positive public perception of our project and may lead to a wider engagement of

<sup>&</sup>lt;sup>12</sup> IAM COMPACT consortium partners are actively involved to more than ten of H2020 and other European sister projects, with many of them being also members of relevant research networks, such as IAMC, EMF, EMP-E, etc.



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different civil actors, thus paving the way for smoother exploitation of the results.

To further support these actions, IAM COMPACT will also engage with various media outlets specialised in covering EU affairs, industry, R&I and business to talk about IAM COMPACT and share expertise on IAM policy-related topics and the future of the European Research Area (ERA) and R&I on climate change in Europe.

With regard to this action, an indicative list of suggested scientific and non-scientific event opportunities has been prepared and made available to all IAM COMPACT consortium partners via the project's internal online communication system (Sharepoint). The list is provided in **Annex 3**.

#### 3.1.3 Phase 3: Exploitation strategy (M22-36)

The exploitation phase, the 3<sup>rd</sup> and final one, is dedicated to the successful uptake of IAM COMPACT scientific results and their actual applicability in support of the Paris Agreement goals. Here, the role of IAM COMPACT consortium partners and their worldwide stakeholder network is of high importance, which will be actively mobilised in the policy steering groups. Furthermore, more concrete actions need to be identified as well as the specific model and strategy for the exploitation of each IAM COMPACT significant result from M22 onwards and up to 4 years after the funded period.

Based on the forecast of IAM COMPACT's expected long-term results (see **Section 2.2**), **Table 14** below summarises a preliminary exploitation agenda. Upon completion of the first year, it will be updated with the subsequent year and so on in order to properly monitor and evaluate the progress.

**Table 14.** Summary of the preliminary exploitation strategy.

Short summary	e premimary exploitation strategy.
Goal(s)	Support the realisation of benefits offered by adopting IAM COMPACT's results toward relevant target groups, by replicating and upscaling them (external success).  Support IAM COMPACT consortium partners to increase experience in their fields and enhance the exposure of outcomes in publications and the press (internal success).
Activities	Authoring policy briefs, business guides and other publications targeting non-academic audiences on robust strategies toward climate neutrality.  Modelling capacity development workshops and novel modelling tools for integrated assessments aimed at policymakers and technical staff in non-high-income countries and/or countries with limited technical/institutional capacities.  Use of models among the IAM COMPACT ensemble that have long been used in EC policy assessments.
Core messages	n/a -To be defined in accordance with the next sub-objectives:  Achieve science-policy interface: Share IAM COMPACT recommendations with national and pan-European policy-makers and modelling resources.  Achieve policy relevance: Turn IAM COMPACT's model-based policy novelties into a source of inspiration at a pan-European and global level.  Achieve ownership: Facilitate capacity building both in terms of IAMs and in terms of international cooperation and climate policy, focusing on non-high-income countries.
Target audience(s)	Local, regional, national and European policy-makers and stakeholders.  Modelling communities and networks.  Business associations and industrialists focusing on-high-income countries  Civil society, including non-specialised media and press outlets  European Commission (i.e., DG Research and Innovation, DG Energy)
Secondary audience(s)	Academia/ Representatives of EU funded project's consortia Specialised media and press outlets

#### 3.1.3.1 Exploitation channels and activities

For the successful implementation of its exploitation plan, IAM COMPACT counts on the various forms of communication and dissemination means outlined earlier. Care, however, will be taken towards a number of already identified standard exploitation activities, with a major focus on meaningful exchanges and engagement with national and European policy-makers, expected to ensure that IAM COMPACT results are both innovative and employed in practice, thus underlying their added value.

#### Regional/Local initiatives and workshops

To broaden ownership of the integrated assessment process, concepts, and tools in Ethiopia, Kenya, Sri Lanka, and Ukraine, and to support a local and demand-driven coherent policy formulation, a series of capacity development workshops will be organised for each case study country throughout the project's lifetime. Although, both the content and depth of each workshop will be demand-driven depending on the case, the general structure is designed to include high-level introductory sessions to concepts behind the modelling tools used to support policy, as well as comprehensive hands-on training sessions on the modelling tools. In the end, participants will be guided through the creation of multi-sector and multi-resource country models and applications to investigate planning issues of relevance to the countries and to their NDC preparation.

All capacity-building training sessions will be organised under Task 6.5 - "Expansion and development of technical and institutional capacity in pilot countries", led by KTH. Their final format (onsite, online or hybrid) will depend on the needs and constraints in effect, including implications of the COVID-19 pandemic, or of the energy crisis stemming from the invasion of Ukraine by Russia.

#### Policy briefs and reports

IAM COMPACT will issue at least 10 policy briefs showcasing significant policy recommendations derived from the research process and lessons to inform and contribute to the further development and implementation of NDCs with the overarching goals of the Paris Agreement. Among others, they will touch on topics related to future action pledges and long-term decarbonisation pathways of the EU and of other major emitting and non-high-income countries. In addition, one policy catalogue will be produced and shared with the modelling community in  $I^2AM$  PARIS.

With regards to the policy briefs, all of them will be accompanied by their own newsletter, will be conveyed to the widest possible audience through the IAM COMPACT consortium, in non-technical language and translated into the language of all engaged communities.

In the same vein, IAM COMPACT is expected to produce a total of 30 publicly distributed reports, incorporating the scientific results that will be achieved throughout the project implementation. All of them will be made available via the project's website and will be further promoted via social media, newsletters and/or other promotional channels as well (**Sections 3.1.1** & **3.1.2**).

All planned activities, will be made publicly available via the IAM COMPACT website (link).

## Final EU conference

IAM COMPACT's final EU conference will be held at the end of the project (M36) to present the achieved outcomes to its stakeholder pool with a specific policy side-event. In particular, IAM COMPACT intention is that it will be organised next to or as part of an international scientific conference, like an EMP-E or H2020 ECEMF event, where the outcomes of the project could be shared with the scientific world, policy-makers and top industry representatives, including modellers, at a pan-European and international level. It is thus expected that at least 70 targeted stakeholders will participate in and be informed on the revised global, regional, and national pathways, with clear policy implications and guidelines for strengthening climate action, as well as the novel framework for "expanded, multi-model assessment", expected to result from the PRM and the operation of its two co-creative cycles.

More on the final EU conference will be given in the two upcoming revised CDE plan reports, planned for months 18 and 36, with the latter one focusing on the provision of all performance-oriented information.

## 3.1.3.2 Future planned activities

As future planned activities, the IAM COMPACT CDE plan foresees the early drafting of a preliminary, yet clearcut strategy describing the exploitation effort that will be developed during the life of the project. This will be continuously updated as the project and its significant exploitable result evolve, considering the below "exploitation roadmap" (**Figure 17**):

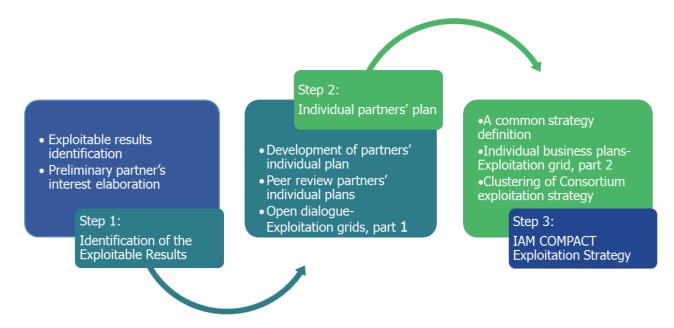


Figure 17. The IAM COMPACT exploitation roadmap.

Based on that, this preliminary version will focus on identifying all those key elements that will then inform the IAM COMPACT consortium partner's individual exploitation plans. Typically, these should include:

- > Identification of the key exploitable results that are expected to be obtained.
- > Level of each partner's interest in each identified exploitable result and expected impact on their individual portfolio.
- Market identification, including potential geographical coverage, potential users, competitors and added value of the exploitable results.
- > Exploitation action(s) and implementation paths.
- > Intellectual Property Rights (IPR) analysis and forecast for the protection of each exploitable result.

Next steps, to update in the following years will include the final IAM COMPACT consortium partners' individual exploitation strategy that will be then integrated into the CDE plan and inform the IAM COMPACT consortium-level exploitation strategy at the end of the 3rd year of the project.







the



**Consortium level plan** 

#### **Exploitable Results** identification

the identification of the level of

interest in the different results and

the added value IAM COMPACT

may bring towards boosting further

and

scientific

developments.

## Individual partners' plans Identification and definition of the Definition IAM COMPACT's key exploitable results, intending them as concrete objects that are able to endure and be used beyond the project's lifetime. This step will also include

exploitation

# individual exploitation strategies of each IAM **COMPACT** consortium considering aspects such as the

market uptake potential, the added value, the target end-users, the competitors, the expected impact on each partner's portfolio, and a tentative implementation timetable. Opportunities and barriers to the

exploitation action will be also

identified.

IAM Structure an COMPACT consortium-wide exploitation strategy, based on a combination of the individual partners' plans and the key actions declared in them. Aspects such as the typology of each exploitation action's target, application domains and the main benefits expected from each exploitation action will be also considered.

To facilitate the exploitation strategy co-creation, the IAM COMPACT CDE plan suggests a special internal seminar to be devoted at the end of the first year to explore the possibilities for exploitation of IAM COMPACT results, including their technical description and analysis in terms of their imminent potential to be exploited, and each partner's contribution. The overall activities will be reported in more detail in the future update of this document.

# 3.2 Internal implementation guidelines

Implementation of CDE activities within IAM COMPACT is a resource-driven and intensive process, meaning that, besides the main implementation coordinator (UPRC), all IAM COMPACT consortium partners are requested to get involved in the ways they consider most appropriate for generating the expected impacts on different levels and according to the background expertise they bring to the project. To that end, the IAM COMPACT CDE plan aims to give an orientation towards ensuring that the IAM COMPACT consortium will take a proactive role in the effort, in respect of certain obligations and guidelines formally outlined in the Grant and Consortium Agreement.

#### 3.2.1 Coordination of IAM COMPACT CDE activities

The main CDE coordinator (UPRC), supported by the WP6 leader (KTH) will be the central point for coordinating the implementation of the activities foreseen in the IAM COMPACT CDE plan. The final approval though will be given by the Project Coordinator (NTUA).

#### 3.2.2 Consortium-level obligations

While some partners (KTH, Bruegel, NTUA, WI) are directly involved in CDE activities in view of their role in the project, all IAM COMPACT consortium partners should be committed to regularly participating in them, namely by:

- > communicating and disseminating IAM COMPACT activities and results to their respective networks, via their institutional website and/or their social media channels (if applicable),
- > contributing to the content of the monthly newsletters/press releases or other relevant activities, such as publications, both scientific and non-scientific,
- disseminating results in open-access platforms
- > informing the CDE plan in terms of interesting, related initiatives and events that IAM COMPACT can participate in,
- keeping track of their communication and dissemination activities by filling in a dedicated reporting table available in the SharePoint of the project.

#### 3.2.3 Graphic identity and EU visibility

Unless the European Commission requests or agrees otherwise or unless it is impossible, communication and dissemination of results in any form, including both written and electronic, all CDE tools and activities must refer to and include:

Information on EU funding

Disclaimer (translated into local languages where appropriate)

As defined in Article 17 of the G.A. The IAM COMPACT project has received funding from the European Union's HORIZON EUROPE Research and Innovation Programme under grant agreement No 101056306.

In addition, they should share all visual and graphical elements developed under D1.1-"IAM COMPACT visual identity"<sup>13</sup>, as well as mentioning the URL of the IAM COMPACT website and the social media accounts.

<sup>&</sup>lt;sup>13</sup> Frilingou N. (2022), *IAM COMPACT visual identity & website (D1.1)*. IAM COMPACT. <a href="https://www.iam-compact.eu/sites/default/files/2023-01/D1.1%20IAM%20COMPACT%20Visual%20Identity%20%26%20Website v1.00 SUBMITTED.pdf">https://www.iam-compact.eu/sites/default/files/2023-01/D1.1%20IAM%20COMPACT%20Visual%20Identity%20%26%20Website v1.00 SUBMITTED.pdf</a>



Programme under grant agreement No 101056306.

#### 3.2.4 Publication procedures

## Prior notice protocol

Unless agreed otherwise, any partner that intends to disseminate their results should give at least 15 days advance notice to the IAM COMPACT consortium (unless agreed otherwise), together with sufficient information on the results to be disseminated. In case of no notifications from other partners before the set date, the author(s) may assume that there are no objections to the publication. In all cases whatsoever, confirmation of the right to publish will be subject to the agreement of the project coordinator during the project lifetime, and openly thereafter.

#### Open access to scientific publications

IAM COMPACT consortium partners are committed to publishing their scientific publications in open access, according to the "Gold" open access model, while publication of special issues will be sought. The policy that will be implemented by the project will also include the "Green" open access model, when applicable. In all cases, the platform <a href="Sherpa/Romeo">Sherpa/Romeo</a> will be used to provide a summary of permissions that are normally given as part of each publisher's copyright transfer agreement.

Furthermore, the IAM COMPACT consortium will consider submitting papers to the <u>Open Research Europe</u>, the new open-access publishing platform for research stemming also from Horizon EUROPE funding, while all project publications and accompanying data will be stored in the online project community created on Zenodo (<u>link</u>). All uploads will thus be directly indexed in <u>OpenAIRE</u>.

Additional open-access EC tools to be used to further disseminate IAM COMACT research results are extensively presented in **Section 3.1.2.1**. Meanwhile, more details on the IAM COMPACT publication policies and protocols will be offered under Task 3.1 – "Exchange requirements specifications and data management" and its corresponding deliverables (D3.2-D3.3).

#### Open access to scientific data

IAM COMPACT will collect relevant research data that will be managed according to the Data Management Plan (D3.2-D3.3), in line with the FAIR principles and under the latest available version of the Creative Commons Attribution International Public License (CC BY) or a license with equivalent rights. In the case of monographs and other long-text formats, the license may exclude commercial uses and derivative works.

#### Intellectual Property Rights (IPRs)

CDE activities in IAM COMPACT are deeply wedded with Intellectual Property Rights (IPRs) protection, which is clearly stated in the Grant Agreement (Article 16 and Annex 5). In short, key elements relating to IPR include recognition of the overriding authority of the EC contract, specification of conditions of knowledge access and use, protocols and plans for data collection in accordance with EU data policy and specification of both excluded and required knowledge relevant to the project. In terms of ownership of new knowledge generated during the research, can be transferred to the EC free of charge and without restriction on use/dissemination (Clause 29).

At the same time, unless published as a Special Issue of a scientific journal relevant to the scope of IAM COMPACT, the copyright of reports will be with the IAM COMPACT consortium. Thereby, in the case of quoting texts, a proper reference to the report will need to be made along internationally agreed lines.

#### 3.2.5 Personal data collection and processing

Throughout all data collection activities, IAM COMPACT consortium partners will adhere to the established EU Regulation (2016/679) on the protection of natural persons with regard to the processing of personal data and the free movement of such data (GDPR). In this regard, they must ensure that all personal data collected and/or analysed from the participating stakeholders is:

- processed lawfully and fairly, in a transparent manner in relation to the data subjects and in a manner that ensures appropriate security,
- collected for specified, explicit and legitimate purposes and not further processed in a manner that is incompatible with those purposes
- accurate and, where necessary, kept up to date in a form, which permits the identification of data subjects for no longer than is necessary for the purposes for which the data is processed

Accordingly, to ensure compliance, all personal data to be collected will be limited to information such as name, email, institution, stakeholder group, and country, and based on the owner's consent or option to change their mind and withdraw from the IAM COMPACT stakeholder database. Furthermore, IAM COMPACT will focus first on the already established networks (e.g., associations, platforms, etc) from project partners, past activities/projects or ongoing related projects. In all cases, whatsoever, and where appropriate subject to regulatory constraints or restrictions and licensing issues from the owners of the data, the data and their metadata description will be anonymised.

#### 3.2.6 Tracking impact

Given that monitoring and evaluation stand as a fundamental pre-condition for achieving the strategic CDE performance goals as established at the onset of the project, IAM COMPACT consortium partners will provide information on their CDE activities in at least a two-month interval and according to the monitoring system developed under this deliverable. In short, it consists of two main .xls-based tools a consortium-wide "CDE monitoring table", available to all IAM COMPACT consortium partners for recording their CDE efforts and a "Consolidated CDE monitoring table" intended for use only by the IAM COMPACT CDE plan leader (UPRC). The latter will integrate all information provided by IAM COMPACT consortium partners with respect to their individual CDE activity.

Both tools follow the same design pattern, yet the second one bears an internal mechanism for relevant statistical data generation and export (**Figure 18**).



**Figure 18.** The monitoring system for tracking CDE activities.



# 4 Risk analysis and mitigation measures

Risks regarding the implementation of the IAM COMPACT CDE plan, thus reaching the expected objectives, have been identified at the onset of the project and are included in the Grant Agreement. They are all presented in the **Table 15**, along with their corresponding mitigation measures.

**Table 15.** Risk analysis according to the Grant Agreement.

Type of risk	Likelihood	Impact	Mitigation measures
IAM COMPACT consortium partners' low contribution.	Low	High	Rigorous project management.  Failure of individual participants will lead to an immediate assessment of capabilities and task reassignment.  Partners have an adequate range of technical skills and can take over tasks if needed.
IAM COMPACT consortium partners' Delayed contribution to outputs.	Medium	Low	These actions refer to the internal adjustment of the tasks and have no impact on delays in submitting related deliverables to the Agency/EC. Even though, quality management, including early directions for timely outputs, and well-organised monthly calls (reviews/appropriate revisions) will ensure their effective implementation.
Low scientific and technical quality of IAM COMPACT deliverables.	Low	High	Rigorous quality management.  First deliverable drafts are to be submitted one month prior to their deadline, for thorough internal review, including detailed feedback by Coordinator and 2-5 reviewers.  All IAM COMPACT consortium partners have an excellent track record for scientific quality.
Lack of coordination with other actors and wrong expectations.	Low	Medium	Acknowledging challenges associated with the scientific paradigm to date and the requirement of inclusiveness in the climate dialogue, IAM COMPACT is oriented on co-creation with stakeholders (WP2).
Limited participation of external experts.	Medium	Low	Robust and rigorous CDE plan elaborated in Task 6.1, promoting project (outcomes) with all possible means. Besides that, to maximise participation, IAM COMPACT will use existing know-how in establishing an effective communication platform.
Difficulty in organising capacity development activities.	Low	Medium	It is foreseen that European partners can join planned webinars and workshops remotely and for that reason IAM COMPACT will use state-of-the-art tools in a highly efficient manner, to activate discussions and stakeholder feedback;  Almost all IAM COMPACT consortium partners have relevant experience of the last 1.5 years.
Limited policy impact due to COVID-19 and	Low	Medium	The general project planning fits well in the policy schedule.

Type of risk	Likelihood	Impact	Mitigation measures
delays to major policy or science processes.			If COP sessions are further delayed (as with COP26) and GST or IPCC/other processes are affected, the envisaged impact is partly beyond the project duration.  In addition, the COVID19 pandemic is seen as a
			research opportunity' to use models in extreme/disruptive conditions.
Vulnerability of modelling to different types of uncertainty.	Low	Medium	Robustness of modelling is a core aim (multi-model inter-comparisons) of IAM COMPACT, with further enhancing the robustness of outcomes against uncertainties being one of the core IAM COMPACT WPs (WP5). Within it, the following activities are foreseen: (i) Pioneering new scenarios that better represent extremes, disruptive innovation, and behaviour changes in models, will be tested through hindcasting on empirical data. (ii) A novel model inter-comparison framework will be developed.
Limited legitimacy of models, methods, and tools.	Low	High	Technical/policy briefs on model capacity are foreseen.  Modelling activities will be carried out in open access platform, and their specifications will be co-defined with policy/stakeholders, who will also drive modelling processes and co-develop modelling needs.
Limited contribution to major international scientific assessments (e.g., IPCC reports).	Low	Medium	IAM COMPACT consortium partners already participate in networks supporting assessments (IAMC, EMF, etc.). Among them, 11 partners are IPCC AR6 authors, while others participate in several project models that directly contribute to IPCC AR6. In addition, SAB features personalities with a remarkable track record in IPCC reports that can steer efforts to support climate dialogue.
Partners in conflict areas unable to perform due to the conflicts and/or particular geopolitical situation (e.g., invasion of	Medium	Medium	Online capacity development and training activities will be pursued with partners located in conflict or otherwise geopolitically sensitive areas if physical interactions are infeasible. The project will keep flexibility throughout its two co-creative cycles and shift capacity development and policy/scientific processes appropriately to ensure proper engagement of local stakeholders and overall implementation of the action with and in these countries.  In particular, on the modelling side, consortium
Ukraine by Russia, etc.).			partners have collaborated in the past with these partners, so basic research infrastructure is already shared. More importantly, on the training side, international arenas can be used (e.g., EMP-A, and the Joint Summer School on Modelling Tools for Sustainable Development), avoiding conflict territory.

Type of risk	Likelihood	Impact	Mitigation measures
			Such arenas feature both training and a high-level political forum, allowing consortium, local analysts and stakeholders to meet and progress. If tensions further escalate, self-learning material can be shared with, and online assistance is offered to, key analysts from the local teams.

# **5** Conclusion

Throughout the period from September 2022 to August 2023, this CDE plan will be the basic referential framework on which all communication and dissemination activities will be based, while guiding the IAM COMPACT consortium towards drafting a plain strategy for the actual uptake of the project's exploitable outputs and findings, able to ensure scientific excellence and societal impact at the same time. The ultimate aim is to present a clear vision of the ways and modes IAM COMPACT consortium plans for best spreading its legacy and outcomes, moving progressively from fostering awareness of the project and topics associated, to eventually transforming them into actual impacts for the public good (e.g. improved policy delivery).

In particular, in terms of communication and dissemination, this CDE plan looks at ways to develop a strong external communication mechanism that is both reciprocal and open fashion, so able to promote interdisciplinarity and science-policy and science-society dialogue in the production of integrated innovative high-end solutions to help decision-making and climate knowledge co-creation. In the light of such a two-way view, the IAM COMPACT CDE plan employs a wide range of activities from standard online and offline practices, such as website and social media, newsletters distribution or thematic publications, both scientific and non-scientific, and conferences participation, to more dynamic ones, that can best support the desired joint co-production endeavours, whilst complying with the Open Science and FAIR data principles.

These include implementing synergies between EU-funded schemes and multi-scale networking with international modelling consortia or exploring the potential of making use of suggested tools and platforms used by other previous research projects, such as the I²AM PARIS platform, which has been developed under the H2020 PARIS REINFORCE and further expanded in H2020 NDC ASPECTS and in H2020 ENCLUDE. Most importantly, they dictate holding a number of capacity-building workshops in the 4 pilot countries to boost in-country interpretation of scientific evidence for practical action and guide the development of local model applications for national policy support, following along with the implementation of a series of co-creation modelling exercises under the Policy Response Mechanism operation. This represents one of the key novelties in IAM COMPACT, along with PRM, seeking to directly engage with a wide range of stakeholders from different disciplines and geographic scales at each step of the modelling process.

Results from these activities will be the backbone of the prospective exploitation strategy that IAM COMPACT will put on the table when moving to its 3rd and final phase. As part of this mission, IAM COMPACT will draft consolidated policy recommendations in order to support the effective implementation of Nationally Determined Contributions (NDCs) and the development of 2030 decarbonisation strategies in respect of the Paris Agreement and its goals.

The success of the planned CDE effort will be regularly compared vis-a-vis significant time-bound targets established at the onset of the project, to validate their accuracy and relevance to the IAM COMPACT's fundamental goals and envisaged outcomes. A formal update of the present CDE plan thus will be provided in Month 18, including a summary of the main evaluation findings and reporting future-oriented dissemination and exploitation activities. A final assessment will take place near the end of the project and will be reported in Month 36, together with a forward-looking approach to expand IAM COMPACT's exploitable results beyond its lifetime in a sustainable manner.

# **Annex 1. Relevant research projects**

**Table 16.** Indicative list of relevant research projects.

PROJECT	list of relevant research projects.  WEBSITE	PARTNERSHIP POTETIONAL	STATUS	CONTACT PARTNER
4C-CARBON	https://4c-carbon.eu/4c-project	Other relevancy	Ongoing	CICERO
AMPERE	https://ampere-euproject.eu/	Model enhancement for climate policy	Ongoing	
CAMPAIGNers	https://project.climate- campaigners.com/	Other relevancy	Ongoing	E3M, POLIMI
CDLinks	https://www.cd-links.org/	Integrated assessment to support climate policy	Closed	
Clima-Med	https://www.climamed.eu/	Other relevancy		NTUA
COMMIT	https://commitproject.eu/	Other relevancy	Closed	IMPERIAL, E3M
COP21 RIPPLES	https://cop21ripples.climatestrategi es.org/	Integrated assessment to support climate policy	Closed	BRUEGEL
C-Track 50	https://www.c-track50.eu/	Other relevancy	Closed	NTUA
DIAMOND	https://cordis.europa.eu/project/id/ 101081179	Integrated assessment to support climate policy	Open	E3M
DEEDS	https://cordis.europa.eu/project/id/ 776646	Other relevancy	Closed	E3M, KTH, UNIGE
ENCLUDE	https://encludeproject.eu/	Integrated assessment to support climate policy	Ongoing	UPRC
ENGAGE	https://www.project-engage.eu/	Integrated assessment to support climate policy	Ongoing	E3M, IIMA, THU
ENSYSTRA	https://ensystra.eu	Other relevancy	Closed	AAU
FULFILL	https://fulfill-sufficiency.eu/	Other relevancy	Ongoing	POLIMI, WI
INNOPATHS	https://innopaths.eu/	Integrated assessment to support climate policy	Closed	E3M, Aalto
LOCOMOTION	https://www.locomotion-h2020.eu/	Model enhancement for climate policy	Ongoing	Uva, BC3, CARTIF
MAGICA	https://cordis.europa.eu/project/id/ 101056920	Stakeholder dialogue/Capacity building	Ongoing	
MAIA	https://cordis.europa.eu/project/id/ 101056935	Model enhancement for climate policy	Ongoing	BC3
N4C	https://www.nature4cities.eu/the-n4c-project	Other relevancy	Closed	CARTIF

PROJECT	WEBSITE	PARTNERSHIP POTETIONAL	STATUS	CONTACT PARTNER
NAVIGATE	https://www.navigate-h2020.eu/	Model enhancement for climate policy	Ongoing	E3M, UNIGE
NDC ASPECTS	https://ndc-aspects.eu/	Integrated assessment to support climate policy	Ongoing	WI, BC3, E3M, IIMA, THU, UMD
NEVERMORE	https://www.nevermore-horizon.eu/	Stakeholder dialogue/Capacity building	Ongoing	UVa
openENTRANCE	https://openentrance.eu/	Energy transitions	Ongoing	
openENTRANCE	ittps://openentiance.eu/	EMP-E	Origoning	
OpTIMUS	https://www.optimus-smartcity.eu/	Stakeholder dialogue/Capacity building	Closed	КТН
PARIS REINFORCE	https://paris-reinforce.eu/	Integrated assessment to support climate policy	Closed	NTUA, BC3, BRUEGEL, IMPERIAL, CICERO
	https://www.plan4res.eu/	EMP-E	- Closed	IMPERIAL
PLAN4RES		Other relevancy		
REEEM	https://www.reeem.org/	Energy transitions	Closed	KTH, Aalto
KLLIM	nttps://www.reeem.org/	EMP-E		
REINVENT	https://www.reinvent-project.eu/	Other relevancy	Closed	WI
SENTINEL	https://sentinel.energy/	Energy transitions	- Ongoing	AAU, UPRC
SENTINEL	itups.//sertuner.energy/	EMP-E		
SPINE	http://www.spine- model.org/index.htm	EMP-E	- Closed	KTH
SPINE		Other relevancy		NIΠ
TIPPING+	https://tipping-plus.eu/home	Other relevancy	Ongoing	UPRC
WILIV	hu//h1-2020	EMP-E	Onnai	ESM
WHY	https://www.why-h2020.eu/	Other relevancy	Ongoing	E3M
WorldTrans	https://cordis.europa.eu/project/id/101081661	Integrated assessment to support climate policy	Ongoing	



# **Annex 2. Networks & Consortia**

Table 17. Indicative list of networks and consortia.

Table 17. Indicative list of networks and consortia.		
ORGANISATION	WEBSITE	
ALLIANCES FOR CLIMATE ACTION	https://www.alliancesforclimateaction.org/	
ALLIANCE FOR RURAL ELECTRIFICATION	https://www.ruralelec.org/	
CARE-CLIMATE CHANGE & RESILIENCE INFORMATION CENTER	https://careclimatechange.org/	
CCG-CLIMATE COMPATIBLE GROWTH	https://climatecompatiblegrowth.com/	
CENII-EU GCC CLEAN ENERGY NETWORK II	https://www.ceps.eu/ceps-projects/eu-gcc-clean-energy-network-ii-cenii/	
CEPS-CENTER OF EUPROPEAN POLICY STUDIES	https://www.ceps.eu/	
CLIMA-CENTER FOR CLIMATE RISK MANAGEMENT	https://www.clima.psu.edu/	
CLIMATE ALLIANCE	https://www.climatealliance.org/home.html	
CLIMATE REALITY	<u>climaterealityproject.org</u>	
COMMUNITY ENERGY FOR ENERGY SOLIDARITY	https://www.energysolidarity.eu/	
COP 21 RIPPLES	https://cop21ripples.climatestrategies.org/	
EAPN-EUROPEAN ANTI-POVERTY NETWORK	https://www.eapn.eu/	
EAUC-THE ALLIANCE FOR SUSTAINABILITY LEADERSHIP IN EDUCATION	https://www.eauc.org.uk/home	
ECEMF-EUROPEAN CLIMATE & ENERGY MODELING FORUM	https://www.ecemf.eu/	
EEG-ENERGY & ECONOMC GROWTH Applied Research Program	https://www.energyeconomicgrowth.org/	
ELARD-EUROPEAN LELADER ASSOCIATION FOR RURAL DEVELOPMENT	http://elard.eu/	
EMF-ENERGY MODELING FORUM	https://emf.stanford.edu/	
EMP-E ENERGY MODELLING PLATFORM FOR EUROPE	https://www.energymodellingplatform.eu/	
ENERGIZE Co2MMUNITY	https://co2mmunity.eu/	
ENERGY CITIES	https://energy-cities.eu/	
ENGAGER-ENERGY POVERTY ACTION: AGENDA Co- CREATION & KNOWLEDGE INNOVATION	https://www.engager-energy.net/	
EPAH-ENERGY POVERTY ADVISORY HUB	https://energy-poverty.ec.europa.eu/index_en	
EURO CITIES	https://eurocities.eu/	
EUROPEAN ASSOCIATION FOR INNOVATION IN LOCAL DEVELOPMENT	https://www.aeidl.eu/	
EUROPEAN CLILATE PACT	https://climate.ec.europa.eu/eu-action/european-green- deal/european-climate-pact_en	
EUROPEAN RURAL DEVELOPMENT NETWORK	http://erdn.eu/	
FREE INITIATIVE	https://www.rural-energy.eu/	
CCCA THE CLORAL CLIMATE CHANCE ALLIANCE DILIC	https://www.gcca.eu/	
GCCA-THE GLOBAL CLIMATE CHANGE ALLIANCE PLUS	https://europa.eu/capacity4dev/gcca-community	
GCP-GLOBAL CARBON PROJECT	https://www.globalcarbonproject.org/	
HYDROGEN EUROPE	https://hydrogeneurope.eu/	
IAMC-INTEGRATED ASSESMENT MODELING CONSORTIUM	https://www.iamconsortium.org/	
IEA-WEO		
IEPAW-INTERNATIONAL ENERGY POVERTY ACTION WEEK	https://www.energypovertyaction.org/	
IfLS-INSTITUTE FOR RURAL DEVELOPMENT RESEARCH	https://www.ifls.de/en/	
IPCC-INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE	https://www.ipcc.ch/	



ORGANISATION	WEBSITE
OPENMOD-OPEN ENERGY MONDELLING INITIATIVE	https://openmod-initiative.org/
PCHES -PROGRAM ON COUPLED HUMAN & EARTH SYSTEMS	https://www.pches.psu.edu/
PIAMDDI-PROGRAM ON INTEGRATED ASSESSMENT MODEL DEVELOPMENT, DIAGNOSTICS & INTER-COMPARISON	https://www.pches.psu.edu/iamddi/
RedMENTES	https://redmentes.es/
RENOVATE EUROPE	https://www.renovate-europe.eu/
RIGHT TO ENERGY COALITION	https://righttoenergy.org/
RURAL ENERGY COMMUNITY ADVISORY HUB	https://rural-energy-community- hub.ec.europa.eu/index_en
STRN-SUSTAINABILITY TRANSITIONS RESEARCH NETWORK	https://transitionsnetwork.org/
UN CLIMATE CHANGE	<u>unfccc.int</u>
UN ENVIRONMENT PROGRAMME	<u>unep.org</u>
WCRP-WORLD CLIMATE RESEARCH PROGRAM	https://www.wcrp-climate.org/wgcm-cmip/wgcm-cmip6



# **Annex 3. Scientific & Non-scientific events**

**Table 18.** Indicative list of scientific and non-scientific events.

EVENT	LINK	LEVEL
4th European Conference Hydrogen & P2X 2023	https://fortesmedia.com/hydrogen-p2x-2023,4,en,2,1,22.html	EU
6th Annual World Congress of Smart Materials-2023	https://www.bitcongress.com/topwcsm2023/WelcomeMessage.a sp	International
7th Edition of Global Energy Meet	https://globalenergymeet.com/	International
AIAI 2023: 19th International Conference on Artificial Intelligence Applications and Innovations	https://ifipaiai.org/2023/	EU
AIEE Energy Symposium	https://www.aieesymposium.eu/	EU
AIEE 4th International Confeterence	http://www.aiee.net/	International
ACEEE-Indusrty Summer Study	https://www.aceee.org/2023-industry-summer-study	International
Alliance to Save Energy EE Global	https://eeglobalalliance.org/ee-global-forum	International
BECC-Behavior, Energy & Climate Change Conference	https://beccconference.org/	International
Berliner Energietage	https://www.energietage.de/home.html	National
Berlin Green Investment Summit	https://wermutham.com/berlin-green-investment-summit- agenda/	National
C4E Forum	https://c4eforum.net/	International
CBA17-Conference on Community-Based Adaptation to Climate Change	https://www.globalresiliencepartnership.org/event/cba17-local-solutions-inspiring-global-action/	International
Cities Forum 2023-Together for green & just cities	https://www.uia-initiative.eu/en/events/cities-forum-2023- together-green-and-just-cities	EU
City Energy Conference 2023	https://eu-mayors.ec.europa.eu/en/node/538	EU
CO2 Capture & Reuse	https://fortesmedia.com/co2-capture-storage-reuse- 2023,4,en,2,1,21.html	EU
CoEEE2023-International Joint Conference on Energy & Environmental Engineering	https://www.coeee.org/	International
Construmat-Building Sustainability	https://www.construmat.com/en/	EU
EasyChair Smart CFP (Archive)	https://easychair.org/cfp/	International
ECEEE -Summer Study	https://www.eceee.org/events/eceee-summer-studies/	EU
ECEMP-European Climate & Energy Modeling Platform Conferences	https://www.energymodellingplatform.eu/	EU
ECRES - European Conference on Renewable Energy Systems 2023	https://www.ecres.net/	EU
EREEE 2023-5th International Conference on Environment, Resources & Energy Engineering	http://www.eree.org/	International
ESCC-International Conference on Energy, Sustainability & Climate Crisis	http://escc.uth.gr/	International



EVENT	LINK	LEVEL
Ecomondo - The Green Technology Expo	https://www.ecomondo.com/	National
Energy Modeling Forum (EMF) events	https://emf.stanford.edu/all-events	International
Energy Efficiency Finance Forum	https://www.aceee.org/2022-energy-efficiency-finance-forum	International
Energy and Sustainability 2023- 10th International Conference	https://www.wessex.ac.uk/conferences/2023/energy-and- sustainability-2023	International
Energy Transition Summit 2023	https://marketforcelive.com/future-of-utilities/events/energy-transition-summit/?gclid=Cj0KCQiAiJSeBhCCARIsAHnAzT8rU1Wqee58m-oXfQeuCu-ekUPqTizGRW8CFcGoCjXJH80juhvHumkaAmn7EALwwcB	EU
EnergytECH 2023: Renewable Energy, Resources and Sustainable Technologies	https://energytechconference.com/	International
ENLIT Europe	https://www.enlit-europe.com/	EU
EMC-Eastern Mediterranean Conference & Exhibition	https://emc-cyprus.com/#about	EU
EU Conference on modelling for policy support	https://knowledge4policy.ec.europa.eu/event/2021-eu- conference-modelling-policy-support-collaborating-across- disciplines-tackle-key en	EU
Eu-SPRI Annual Conference	https://www.euspri2023.com/	EU
EURO 33rd Conference	https://euro2024cph.dk/	EU
EURO events	https://www.euro-online.org/web/pages/100/conferences	EU
European Energy Transition Conference	https://www.climate-chance.org/en/event-calendar/2023- european-energy-transition-conference/	EU
European Hydrogen Week	http://www.euhydrogenweek.eu	EU
EUSEW-European Sustainable Energy Week	https://sustainable-energy-week.ec.europa.eu/	EU
Eu-SPRI Annual Conference	https://www.euspri2023.com/	EU
ESEE (European Society for Eclogical Economics) events	https://ecolecon.eu/category/events/upcoming-events/	EU
FLEXCON-Cocreate Flexible Energy	https://flexcon2022.eu/about/	International
FLINS/ISKE 2023	https://flins2022.scievent.com/	International
Forum on Scenarios for Climate and Societal Futures	https://scenariosforum.org/	EU
GEET-Green Energy & Environmental Technlogy International Conference	https://greenenergy-europe.eu/	International
Green Finance Research Advances Conference	https://green-finance-research-advances-2022.org/	EU
HAEE events	https://www.haee.gr/conferences-and-events/haee-events/	EU
IAMC Annual Meeting	https://www.iamconsortium.org/events/category/annual- meeting-of-the-iamc/	International
IAEE 44th International Conference	https://iaee2023.saudi-aee.sa/	International
IAEE 18th European Conference	https://www.iaee.org/en/conferences/europe.aspx	EU
ICEECC 2023: 17th International Conference on Energy, Environment & Climate Change	https://waset.org/energy-environment-and-climate-change- conference-in-march-2023-in-bangkok	International
ICEES 2023-7th International Conference on Energy and Environmental Science	http://www.icees.org/	International





EVENT	LINK	LEVEL
ICEESEN-International Conference on Energy, Environment & Storage of Energy	https://iceesen.com/	International
ICFEE 2023-13th International Conference on Future Environment and Energy	http://www.icfee.org/	International
IEPAW-International Energy Poverty Action Week	https://www.energypovertyaction.org/	International
ICEEEP 2023: 7th International Conference on Energy Economics & Energy Policy	http://www.iceeep.com/	International
ICEDRD 2023: 17. International Conference on Environmental Design and Rural Development	https://waset.org/environmental-design-and-rural-development- conference-in-may-2023-in-rome	International
IISA 2023: 14th International Conference on Information, Intelligence, Systems & Applications	https://easyconferences.eu/iisa2023/	International
Island Finance Forum 2023: Investment for Sustainable Development	https://islandinnovation.co/events/island-finance- forum/?utm_source=sendinblue&utm_campaign=II136%20- %20Island%20Innovation%20Newsletter%2005012023&utm_m edium=email	EU
Joint EASST/4S conference	https://www.4sonline.org/meeting/future-meetings/	International
Lisbon Energy Summit & Exhibition	https://www.lisbonenergysummit.com/?utm_source=google&ut m_medium=cpc&utm_campaign=launch&gclid=Cj0KCQiAiJSeBh CCARIsAHnAzT_rYwK9Dk8ffoCWnMgsDHt74B65PSN3IcbJv10Nt2 WOIwdRkAaMO1QaAqaPEALw_wcB	International
REDay-Renovate Europe Day	https://www.renovate-europe.eu/	EU
RenewableEng-International Conference on Renewable & Sustanable Energy	https://xpertsmeetings.org/renewableeng23/	International
Right to Energy Forum 2023	https://righttoenergy.org/forum-2023/	EU
SCEW 2023: Smart City Expo World Congress	https://www.smartcityexpo.com/	International
SETAC Europe 33rd Annual Meeting	https://europe2023.setac.org/	EU
SEEP 2023- 15th International Conference on Sustainable Energy & Environmental Protection	https://seepconference.com/	International
SCORAI-ERCP WUR Conference: Transforming consumption- production systems towards just & systainable futures	https://www.scp-conference-2023.com/web	EU
SCORAI-ERCP WUR Conference: Session " The Wellbeing Economy: Pathway to Consumption Sufficiency and a Post-Growth Economy?"	https://www.eceee.org/events/calendar/event/clone-abstracts-deadline-the-wellbeing-economy-pathway-to-consumption-sufficiency-and-a-post-growth-economy/	EU
SDEWES 18th Conference (Sustainable Development of Energy, Water and Environment Systems)	https://www.dubrovnik2023.sdewes.org/	EU
SEED Conference-International Conference on the Sustainable Energy & Environmental Development	https://www.leedsbeckett.ac.uk/events/conferences/seeds- conference-2022/	International



EVENT	LINK	LEVEL
Smart 2023: 10th ECCOMAS Thematic Conference on Smart Structures and Materials	https://www.smart2023.eu/	EU
Smart Cities Conferences 2023/2024/2025	https://conferenceindex.org/conferences/smart-cities	International
Smart Greens 2023: 12th International Conference on Smart Cities & Green ICT Systems	https://smartgreens.scitevents.org/	International
The JRC events/workshops	https://esdac.jrc.ec.europa.eu/event/FutureEvents	International
The International Society for Ecological Modelling (ISEM) Global Conference 2023: Ecological Models for Tomorrow's Solutions	https://www.elsevier.com/events/conferences/international- society-for-ecological-modelling-global- conference?utm campaign=STMJ 1666267551 CONF NEWS A B&utm medium=email&utm source=Medlist&dgcid=STMJ 1666 267551 CONF NEWS AB	International
UN climate change conference (COP28)	https://unfccc.int/	International
VIS 2023-Virtual Island Summit	https://islandinnovation.co/events/virtual-island-summit/	EU
WASET-World Academy of Science, Engineering & Technology (Archive)	https://waset.org/energy-conferences-in-2023	International
World Conference on Climate & Sustainability (Climate Week 2023)	https://climateweek.thepeopleevents.com/	International
World Green Building Week	https://worldgbc.org/	International
WSEC-World Smart City Expo	https://www.worldsmartcityexpo.com/fairDash.do?hl=ENG	International
WSED-World Sustainable Energy Days	https://www.wsed.at/	International

