



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

D1.1 - IAM COMPACT visual identity & website

WP1 – Project Management

28/12/2022



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www.iam-compact.eu

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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

This deliverable will serve as a reference document among consortium partners (experts and non-experts) and will inform about the visual identity and relevant specifications of the project, including the graphical charter for creating communication and dissemination material for all purposes (e.g., organising workshops). The deliverable also accompanies and documents the design, implementation, and deployment of the IAM COMPACT project website.

It can also be used by policymakers and other stakeholder groups as a documentation of the visual identity of the IAM COMPACT project, and as reference material for research projects that seek to explore options for efficient dissemination through a website, providing ideas of how information could be promoted and organised through a dedicated project website.

3. Short summary of results (<250 words)

To underpin climate policymaking with authoritative scientific processes and results for the post-2030 period and enhance the science-policy interface, the IAM COMPACT website will serve according to the DoA, as a constant node aiming to present information on the project and disseminate its results as well as a reference site with material and links related to climate action and sustainable development, relevant consortia, and projects. The website's development is essential to the effective promotion of the project concept, progress, activities, results, and stakeholder engagement. The project's progress and results will be published online. The visual identity of IAM COMPACT will convey the message on what the project is about and will communicate objectives, methods, and expected results to stakeholders.

The purpose of this document is to describe the visual identity and the website of the IAM COMPACT project, which is part of Task 1.2 'Creating the IAM COMPACT visual identity & website' activities. Dissemination tools, including information and communication means such as the logo, flyer, leaflet, poster, roll-up, and presentation are presented.

The visual identity and the materials presented on the website will be updated as the project needs evolve.







4. Evidence of accomplishment

This report, and the website, which can be accessed at <http://www.iam-compact.eu/>.



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	
Aalto – Aalto Korkeakoulusaatio SR	FI	
AAU – Aalborg Universitet	DK	
BC3 – Asociacion BC3 Basque Centre for Climate Change – Klima Aldaketa Ikergai	ES	
Bruegel – Bruegel AISBL	BE	
CARTIF – Fundacion CARTIF	ES	
CICERO – Cicero Senter for Klimaforskning Stiftelse	NO	
E3M – E3-Modelling AE	EL	
KTH – Kungliga Tekniska Hoegskolan	SE	
POLIMI – Politecnico di Milano	IT	
UPRC – University of Piraeus Research Center	EL	
UVa – Universidad De Valladolid	ES	
WI – Wuppertal Institut fur Klima, Umwelt, Energie GGMBH	DE	
IIMA – Indian Institute of Management	IN	
THU – Tsinghua University	CN	
USMF – University System of Maryland	US	
AAiT – Addis Ababa University	ET	
KEI – International Civic Organisation Kyiv Economics Institute	UA	
RUSL – Raja Rata University of Sri Lanka	LK	
TUM – Technical University of Mombasa	KE	
UNIGE – Université de Genève	CH	
Imperial – Imperial College of Science, Technology and Medicine	UK	



Executive Summary

The D1.1 report accompanies and documents the design, implementation, and deployment of the IAM COMPACT project visual identity and website.

The IAM COMPACT visual identity comprises a flyer to create visibility for partner countries in all languages of the consortium; a leaflet for dissemination to stakeholders (on objectives, methods, expected results), in all languages of the consortium; a poster for physical/online events organised by partners or relevant organisations as promotional material; a roll-up for policy events; and a presentation with basic information on the project, to be used as a template and to be regularly updated/adapted to audience/event.

The IAM COMPACT website can be found at the following address: <http://www.iam-compact.eu/>. Designed based on the most recent practices and principles for web design, the IAM COMPACT website follows a modern, yet minimalistic and user-friendly approach, presenting in detail the project's concept and objectives, containing the relevant material, and featuring a dedicated section for news and events.

The purpose of this document is to describe the visual identity and website of the IAM COMPACT project, which is part of Task 1.2 'Creating the IAM COMPACT visual identity & website'. Tools including information and communication means such as the logo, flyer, leaflet, poster, roll-up, and template project presentation are presented.

The project's website and visual identity will be constantly updated, allowing for the engagement with the general public and for presenting project results, publications, news, events, and overall progress, expecting also participation from partners, related projects, and the broader community, until the completion of the project.



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1 IAM COMPACT visual identity

1.1 The importance of a Visual Identity

Creating a clearly defined, coherent, and distinctive visual identity will establish and express a consistent image leading to immediate recognition of the project.

The visual identity of a project consists of the colours, elements, and shapes used in the promotional materials and reports of the project. It conveys the scope and objectives of the project and aims to effectively group the project outcomes with one another.

1.2 Structure of the IAM COMPACT Visual Identity

The IAM COMPACT visual identity has been designed to support the concept of the project and includes elements and features that correspond to its topic. The used shapes and graphics represent the aim of the project towards a sustainable development framework, the creation of a compact platform for Integrated Assessment Models (IAMs) as well as interlinkages among models, analyses, and scenarios, and finally the opening of the 'black box' of scientific inputs, processes, and outputs.

The visual identity ensures a consistent, professional outreach towards the targeted audiences during the implementation of CDE activities, via the production of harmonised project templates for use by partners in all their internal and external project communication (presentations, reports and documents, publications, leaflets, etc.).

Table 1. Overview of the Visual Identity and Website

September 2022 – December 2022	
IAM COMPACT Logo	✓
Graphical Charter	✓
Flyer	✓ (available in 18 languages)
Leaflet	✓ (available in 18 languages)
Poster (A3 & A0)	✓ (updates / new versions within project duration)
Roll Up Poster	✓
Official Presentation	✓ (updates / new versions within project duration)
IAM COMPACT Website	✓ (updates within the project duration)



2 IAM COMPACT Logo

It is important to create a simple but distinctive and visually appealing visual identity. For that reason, the logo, as part of the project's visual identity, is simple yet revealing the multi-dimensionality of the project.



Figure 1. IAM COMPACT official logo

The logo is associated and included in all project documentation (paper or electronic) and publicity material relating to IAM COMPACT. The several alternative logos that have been prepared and discussed among the partners are presented in ANNEX I.

2.1 Graphical Charter

Following the design of the logo, a graphical charter for its use was created. Specifically, the charter introduces the logo and gives direction on logo size and colours, minimum clear space, straplines' alignment, and use in various backgrounds. Every logo use must follow the directions given in this charter.

The IAM COMPACT Graphical Charter:

- Aims to provide guidelines that will help all project partners build a strong and consistent branding, messages, and visuals for IAM COMPACT.
- Provides the elements of visual identity and sets the guidelines for proper use and reproduction.
- Serves as a reference manual for applications in communication.

The digital version of the IAM COMPACT Graphical Charter is available to download on the IAM COMPACT Website ([link](#)).

GRAPHICAL CHARTER

Logo / Colour specifications to create identity within the consortium and to support “brand recognition”.

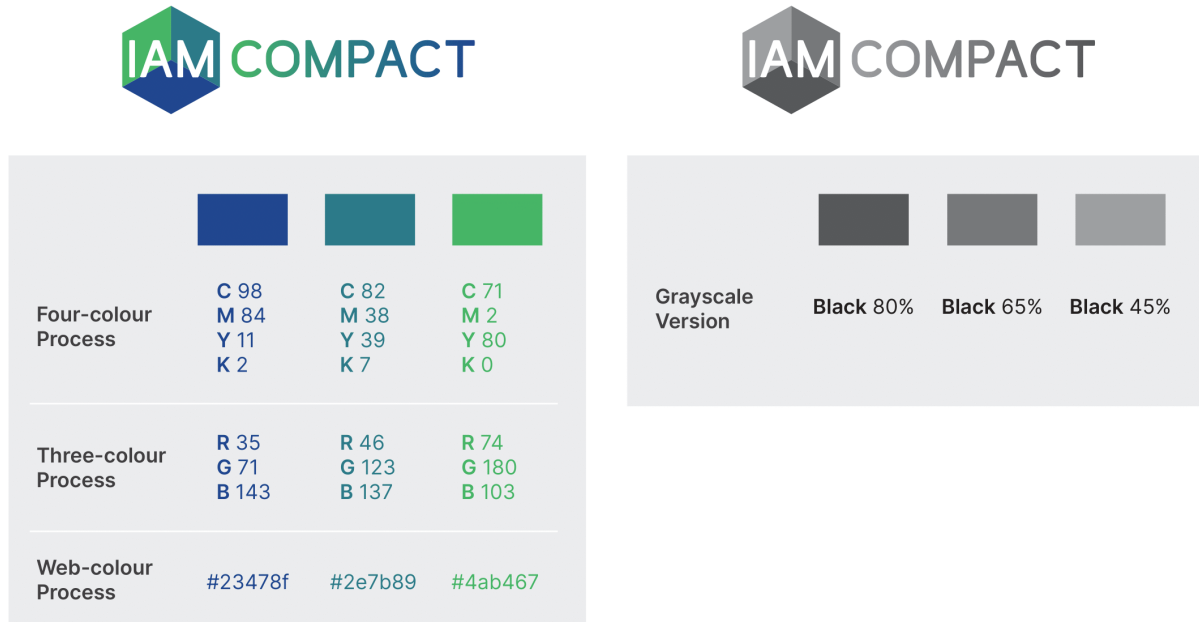


Figure 2. Logo/Colour Specifications

3 IAM COMPACT Project Flyer

The flyer contains general, basic information about the action, creating visibility about the project and all partners involved.

Project Flyer Size: A5

It includes:

- A very brief description of the project scope and objectives
- IAM COMPACT consortium member institutes’ logos.
- Contact Information

The IAM COMPACT Project Flyer will be distributed at conferences, meetings, workshops, or other events within the scientific and policymaking communities. It was initially produced in English and will be available both electronically and in hard copy. In addition, it has been translated in all (17 other) languages of the consortium. The digital version of the IAM COMPACT Flyer is available for download on the IAM COMPACT Website ([link](#)).

The IAM COMPACT Flyer is shown in the following figure and can also be found in ANNEX II in more detail.



Figure 3. IAM COMPACT Project Flyer



4 IAM COMPACT Project Leaflet

A short IAM COMPACT Leaflet has been prepared for dissemination among academic researchers, policy and decision makers, European institutions, and all other stakeholders, at conferences meetings, workshops, or other events within the scientific, industry, and policymaking communities and to all other interested parties. The promotional leaflet briefly describes the aims, objectives, contents, expected results and consortium synthesis of the project. The leaflet is a trifold and consists of six distinctive panels/sections, including one cover panel with a brief description, one panel on project objectives, two panels on project approach (work structure, with emphasis on capacity development), one panel on partners' logos, and one panel on contact and social media details.

It was initially produced in English and will be available both electronically and in hard copy. Moreover, it has been translated in all project partners' languages. The digital version of the IAM COMPACT Leaflet is available for download on the IAM COMPACT Website ([link](#)).

Project Leaflet Size: A4

The IAM COMPACT Leaflet is shown in the following figure and can also be found in ANNEX III in more detail.



Figure 4. IAM COMPACT Project Leaflet



5 IAM COMPACT Project Poster

A publicity poster for IAM COMPACT has been created, to be used as promotional material at events organised by the partners or hosted by other relevant organisations or the European Commission (like COP side-events, the ECEMP and other regional Energy Modelling Platforms, the IAMC, etc.). The Poster will be modified and updated as needed to convey new information in line with the project progress. The digital version of the IAM COMPACT Poster is available for download on the IAM COMPACT Website ([link](#)).

Project Poster Size: The Poster has been produced in two sizes, A3 and A0, to be used according to the needs of the event, at which it will be presented.

The poster includes:

- A quick glance at the IAM COMPACT concept and objectives
- Partners' Logos
- Contact Information
- Textual and graphic elements

The IAM COMPACT Project Poster is shown in the following figure and can also be found in ANNEX IV in more detail.



Figure 5. IAM COMPACT Project Poster



6 IAM COMPACT Project Roll-up

An IAM COMPACT Roll-up banner has been created for future events organised by the project partners or hosted by other relevant organisations. Both the logo and the core aim of the project are displayed on the top. All images, graphic and textual elements are clear and easy to read. The colours green and blue are in coherence with the project's visual identity. Social media channels are placed in the middle and all the partners towards the bottom.

Roll-up Size: 85 cm X 200 cm

The Roll-up is portable and has its own retracting mechanism built from aluminium, which enables easy portability and setup.

It includes:

- The logo and title of the project
- Textual and graphic elements on the I²AM PARIS Platform, Climate Policies, and Co-Creation
- Partners' Logos
- Social media channels

The digital version of the IAM COMPACT Roll-up is available for download on the IAM COMPACT Website ([link](#)). The IAM COMPACT Roll – up is shown in the following figure and can also be found in ANNEX V in more detail.



Figure 6. IAM COMPACT Project Roll-up



7 IAM COMPACT Project Presentation

A Project presentation has been created, containing basic information (objectives, modelling ensemble, activities, capacity development, framework, and synergies). More specifically, the presentation includes the IAM COMPACT consortium, objectives, pilot countries, methodological framework, expected results, as well as contact information. It will be used by the partners as the main presentation tool, for dissemination purposes at relevant events. There are three cover variants for the project presentation, all containing the same information.

The standard presentation will be regularly updated, and it can be adapted by the partners according to their specific needs (although the main project elements and EU funding will be displayed on all occasions).

The digital version of the IAM COMPACT Presentation is available for download on the IAM COMPACT Website ([link](#)). The presentation is shown in the following figure and can also be found in ANNEX VI in more detail.



Figure 7. IAM COMPACT Project Overview

8 IAM COMPACT Project Website

The domain name of the project's website is <https://www.iam-compact.eu>. It contains the name of the project, with the .eu extension denoting its European origin. The selected wording fulfils the primary requirements of a successful domain name: it is short, descriptive, and easy to remember.

The website is built upon the latest version of the Drupal operating system, which is a free, open-source content management system (CMS).

For measuring the website traffic and monitoring the visitors' behaviour, a connection with the Google Analytics service has been established and configured. The data insights coming from the IAM COMPACT website can be accessed directly from the Google Analytics interface.

8.1 Design

The design of the IAM COMPACT website follows the latest trends in web design, having also in mind the special characteristics of the project's objectives and visual identity.

The IAM COMPACT website exhibits the following properties:

- A modern, clean, and light interface, with contrasting colours for the text and background to make reading easier on the eye and with vibrant colours being only used for emphasis (e.g., links) where necessary.
- Easy navigation to content through a comprehensive structure that is implemented both on the front page and the various menus.
- A clean and modern typography utilised throughout the website and all sections, with large fonts that are easier to read.
- A responsive design, making the website respond and adapt to the users' input and environment, based on their device (desktop/laptop computer, tablet or mobile/smartphone) and screen size.

Overall, the IAM COMPACT website is built on modern web design principles, focusing on usability, accessibility, and intuitive navigation.

A preview of the website's front page is presented in following figure.



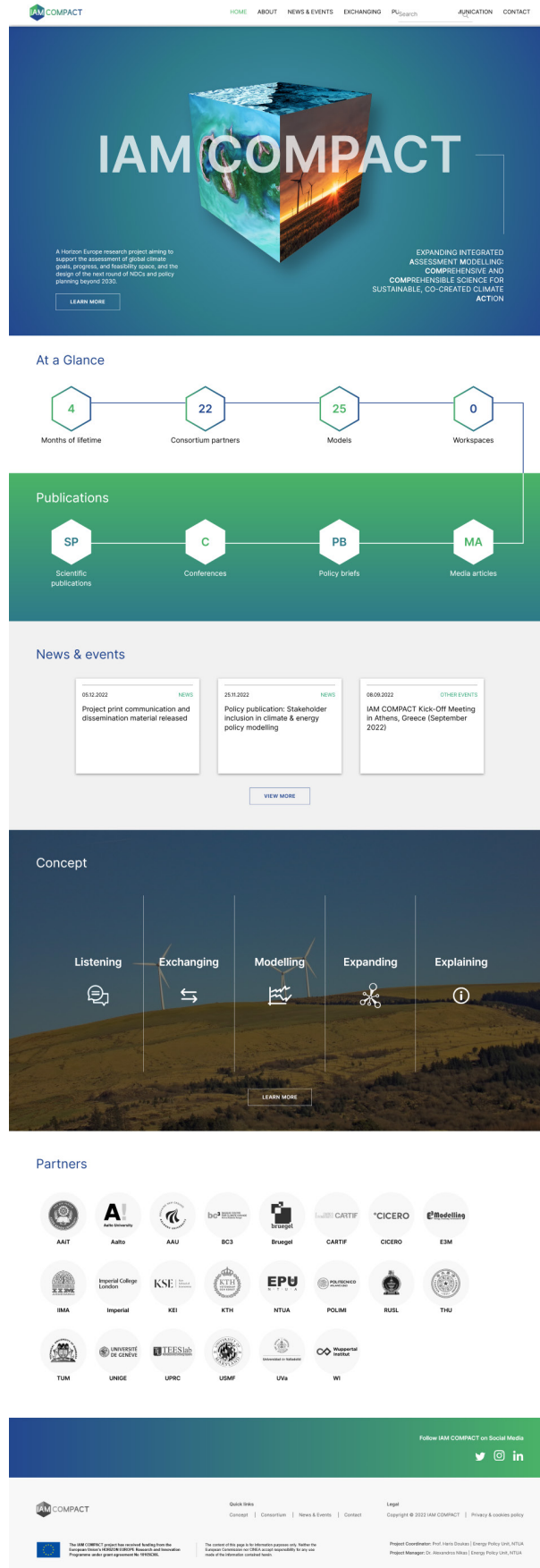


Figure 8. IAM COMPACT website Home Page



8.2 Structure and content

The site can be navigated by using the main menu links, which are located at the top part of every website page. This is a two-level navigation menu that aims to guide the visitor in a simple and intuitive manner. Currently, it contains the following items:

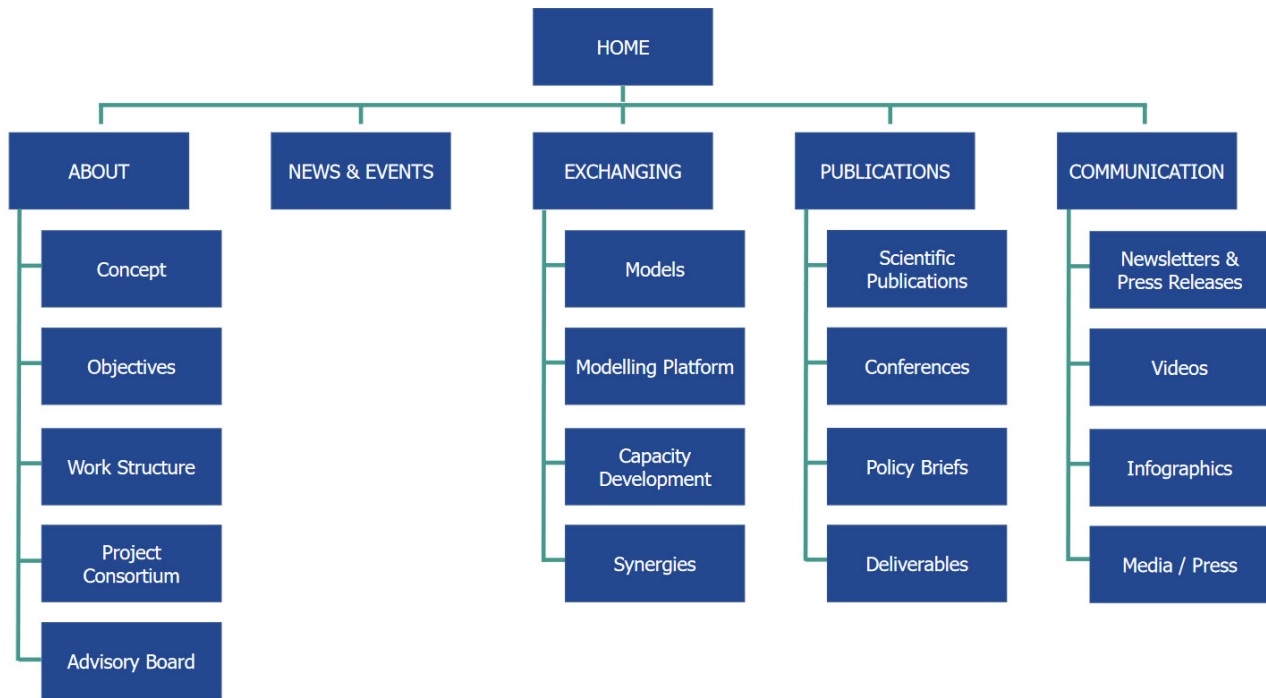


Figure 9. IAM COMPACT website structure (site map)

- The “Home” menu-item returns the visitor to the home page.
- The “About” menu-item includes the title and the five sections, which contain all available information about the project’s concept, main objectives, work structure, members of the Consortium, and advisory board.
- The “News & Events” menu-item contains links to all posts about news concerning the project, as well as events scheduled for IAM COMPACT that partners will attend or have attended. It is the main place for those visitors that would like to stay in touch with the progress of IAM COMPACT.
- The “Exchanging” menu-item includes the title and four sections. The “Models” section, where the climate-economy, energy system, and sectoral models of the project to be integrated or updated into the I²AM PARIS platform are documented. The “Modelling Platform” section aims to promote transparency of our scientific capabilities and processes, assumptions, and results, by providing background information and a direct link to the I²AM PARIS platform. The I²AM PARIS platform has been co-designed with policymakers and other stakeholder groups and enables modellers to communicate with one another and stakeholders to interact with modelling assumptions, scenarios, and results, in an informative and easy-to-digest way. The platform was delivered in the framework of the H2020 PARIS REINFORCE project and is currently being enhanced within the IAM COMPACT project. More on the update of the I²AM PARIS platform is available in the report, “D3.1 - I²AM PARIS upgrade plan”. The “Capacity Development” section

will document all progress and achievements relevant to capacity development activities for each pilot country: Ethiopia, Kenya, Sri Lanka, and Ukraine. Finally, the “Synergies” section documents all activities (e.g., papers, briefs, events) jointly carried out with other research projects and/or initiatives.

- The “Publications” menu-item includes the title and four sections. These contain (a) Scientific Publications, one of the key means of disseminating the project’s results to the research/academic community and of providing the scientific credibility for the project’s work; (b) Conferences, to present and discuss project’s results and facilitate interaction with collaborating communities; (c) Policy Briefs, showcasing significant policy recommendations from the action; and (d) Deliverables of the IAM COMPACT project, which will be consolidated and available in a series of branded reports. All the material in these sections will be available to download as well as shared in the most popular social media platforms (LinkedIn, Twitter, Instagram).
- The “Communication” menu-item includes the title and four sections: Newsletters and Press Releases (created with Mailerlite and incorporating inputs from all partners on progress and key outcomes of the project, as well as a GDPR-compliant subscription service); Videos (used for seminars covering the project’s broad modelling ensemble as well as disseminating the IAM COMPACT results in a more effective way to appropriate audiences); Infographics (interactive or static infographics for better visualisation of the project’s results); and Media/Press (news coverage in non-scientific press). Materials in these sections can be shared in the most popular social media platforms (LinkedIn, Twitter, Instagram).

8.3 Main elements of the Website pages

The IAM COMPACT pages consist of three basic design parts or blocks:

- The Header at the top;
- The Footer at the bottom; and
- The Content in between.

8.3.1 Header

The Header, as shown in the figure below, is the container of the navigation menu and the search facility. It remains constant for all website pages. The header is not marked as fixed, which means that it does not stay pinned always on top when the user scrolls down the page. The header also includes links to the project’s social media accounts (Twitter, Instagram, LinkedIn, and YouTube).



Figure 10. IAM COMPACT website header

8.3.2 Footer

The Footer, as shown in the figure below, includes two sections of information.

The left section contains a statement that the project is funded by the European Union’s HORIZON EUROPE Research and Innovation Programme, followed by a menu with Quick Links (currently: Concept, Consortium, News & Events and Contact page link) and the IAM COMPACT logo which, when clicked, returns the visitor to the home page. The right section contains a link to the Privacy & Cookies Policy page and the names and affiliations of the Project Coordinator and the Project Manager.



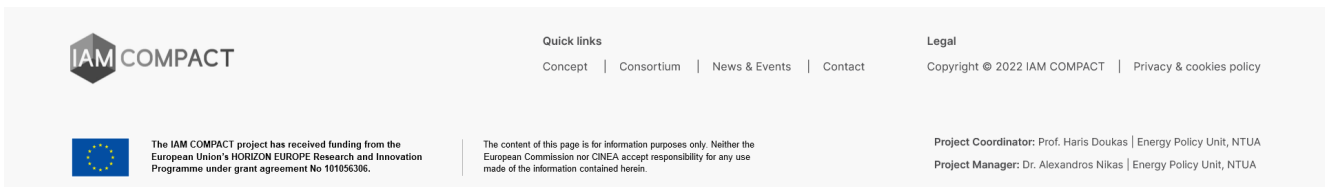


Figure 11. IAM COMPACT website footer

The “Contact” page provides the visitor with the capacity to send an e-mail to the consortium, including an attachment of up to 2 MB. The name, email address, subject, and message are required, as is a CAPTCHA verification of the request and an agreement with the Privacy Policy. Once this information is provided and the message is sent, it is routed directly to the management team mailing list.

A sample of the “Contact” page is shown in the figure below.

You may fill the form below or email us directly at info@iam-compact.eu and we will contact you shortly.

FIRST NAME	LAST NAME
<input type="text"/>	<input type="text"/>
EMAIL	SUBJECT
<input type="text"/>	<input type="text"/>
MESSAGE	
<input type="text"/>	

ATTACHMENT

No file selected.

One file only. 2 MB limit. Allowed types: pdf doc docx ppt pptx.

I have read and agree with the [Privacy Policy](#).

Figure 12. IAM COMPACT website “Contact” page

8.3.3 Home page

The home page consists of nine sections, as shown in the sample in Figure 9, with the aim to attract the visitor’s interest and briefly inform about the various aspects of the project.

1st section: Header

Please see Section 8.3.1 Header.

2nd section: At a Glance

In order to highlight important numbers on the IAM COMPACT website in a way that captures the attention of the visitors, an interactive bar showcases big, bold, animated “running numbers”. This currently captures the lifetime of the project, and the numbers of Consortium partners, models used, and I²AM PARIS workspaces.

At a Glance

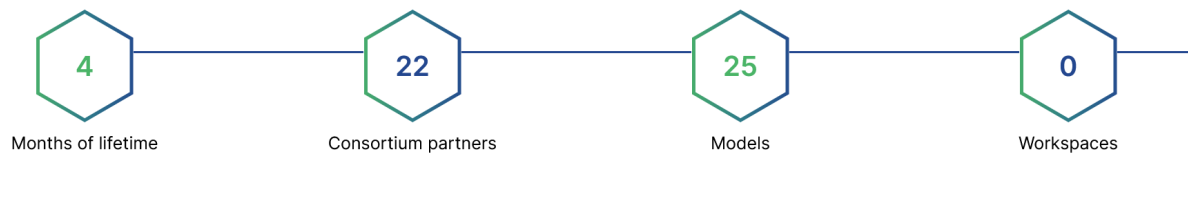


Figure 13. IAM COMPACT website "At a Glance" section

3rd section: Publications

In this section, there are four context areas (the same that can be selected from the corresponding top menu-items), dynamically displaying the number of scientific publications, conferences, policy briefs, and media articles. Upon clicking on any of the four areas, the corresponding page is displayed.

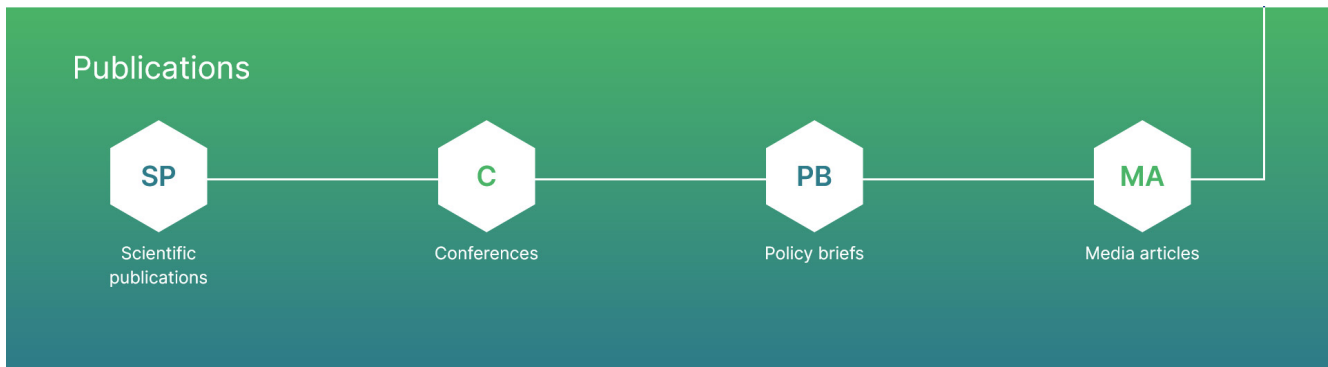


Figure 14. IAM COMPACT website "Publications" section

4th section: News & Events

This section contains links to selected important events and other project-related news. By clicking on an item, the corresponding page is loaded and displayed. The "View more" button displays the "News & Events" page (the same page that is displayed when "News & Events" is selected from the corresponding top menu-item).

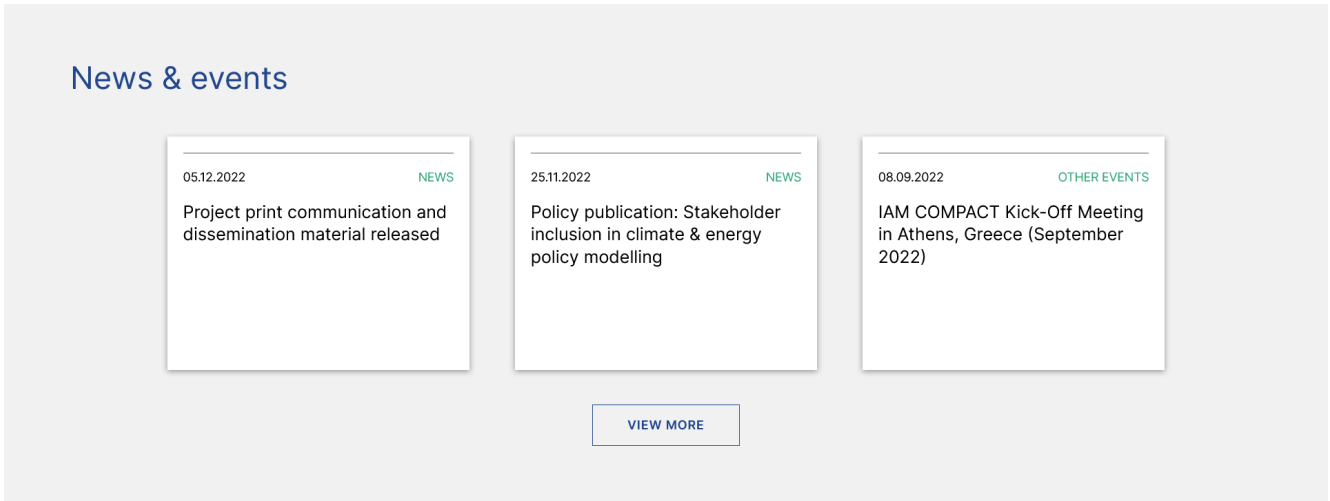


Figure 15. IAM COMPACT website “News & Events” section

5th section: Concept

This section contains five graphic elements that correspond to five highly intertwined components of activities to which the project can be broken down into. Moving the mouse pointer over each of the items, the background changes to a different colour and a short text appears, describing each activity. At the bottom of the section, there is a “Learn More” option to indicate that, when clicked, the corresponding “Concept” page of the top-menu item will be displayed.

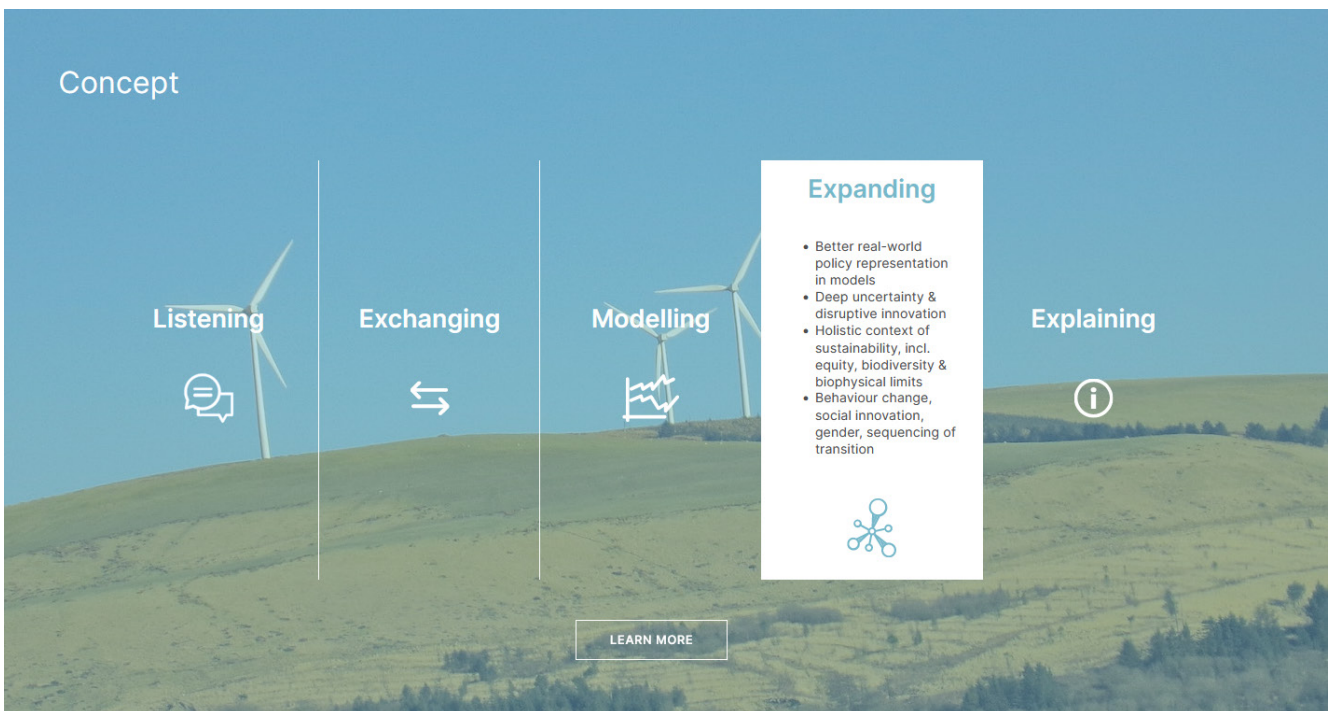


Figure 16. IAM COMPACT website “Concept” section

6th section: Partners

This section includes the 22 partners involved in the IAM COMPACT consortium. Each partner is represented by its abbreviated name and a cyclic element that contains the logo of each institute. Upon hovering over each partner, the logo colours appear; by clicking on the element, the user is redirected to the partner’s website.



Partners

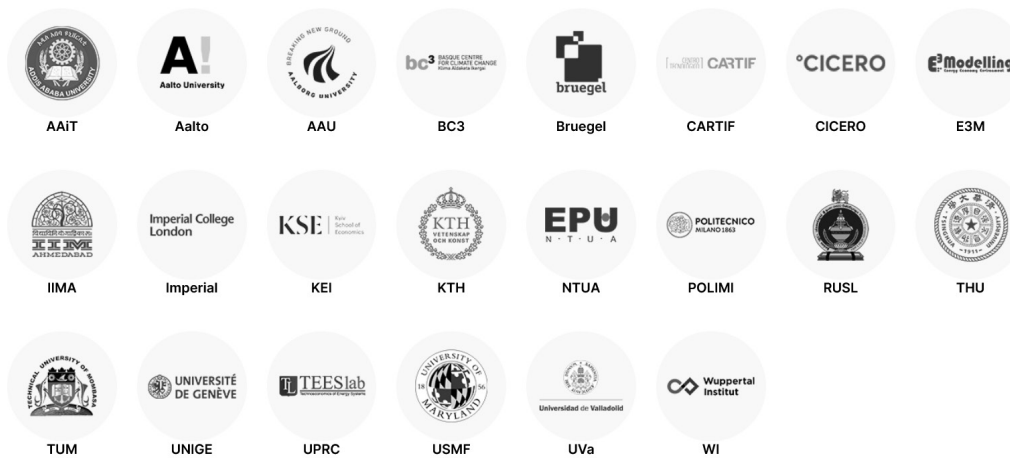


Figure 17. IAM COMPACT website “Partners” section

7th section: Sign up for our Newsletter Banner & Follow us

In this banner, users can enter their email and subscribe to the IAM COMPACT newsletter. They are also prompted to follow IAM COMPACT through selected social media accounts (Twitter, Instagram, LinkedIn, and YouTube). The Social Media accounts banner is displayed in every page of the website, just before the footer section.

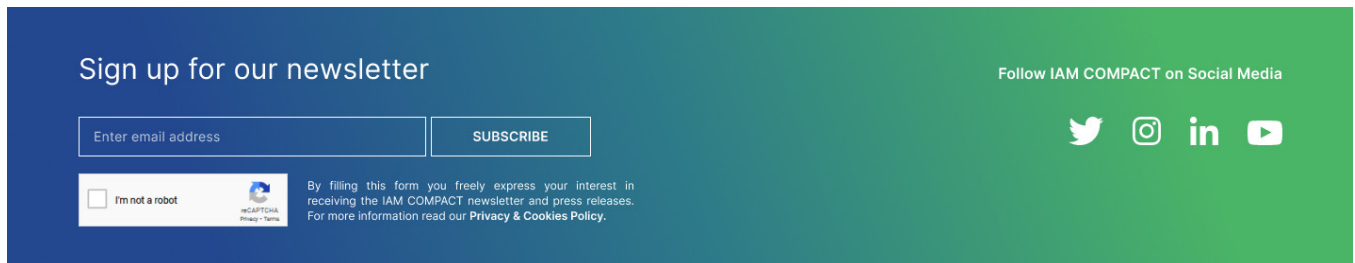


Figure 18. IAM COMPACT website “Newsletter & Social Media” section

8th section: Footer

Please see Section 8.3.2 Footer.

8.3.4 Other pages

The rest of the pages, also called ‘inside pages’, can be categorised into “static content” pages and “dynamic content” pages. A static content page usually contains information that is not altered frequently. Typical examples for the IAM COMPACT website include the following: Concept, Objectives, Work Structure, Project Consortium members and Advisory Board. On the other hand, dynamic pages contain information that changes frequently, such as the News & Events, Publications, Communication, and Synergies sections.

An example of a static page is shown in figure below.





ABOUT

Project Consortium

IAM COMPACT consists of 22 leading research institutes, SMEs, and networks in energy and climate change and policy across the globe.









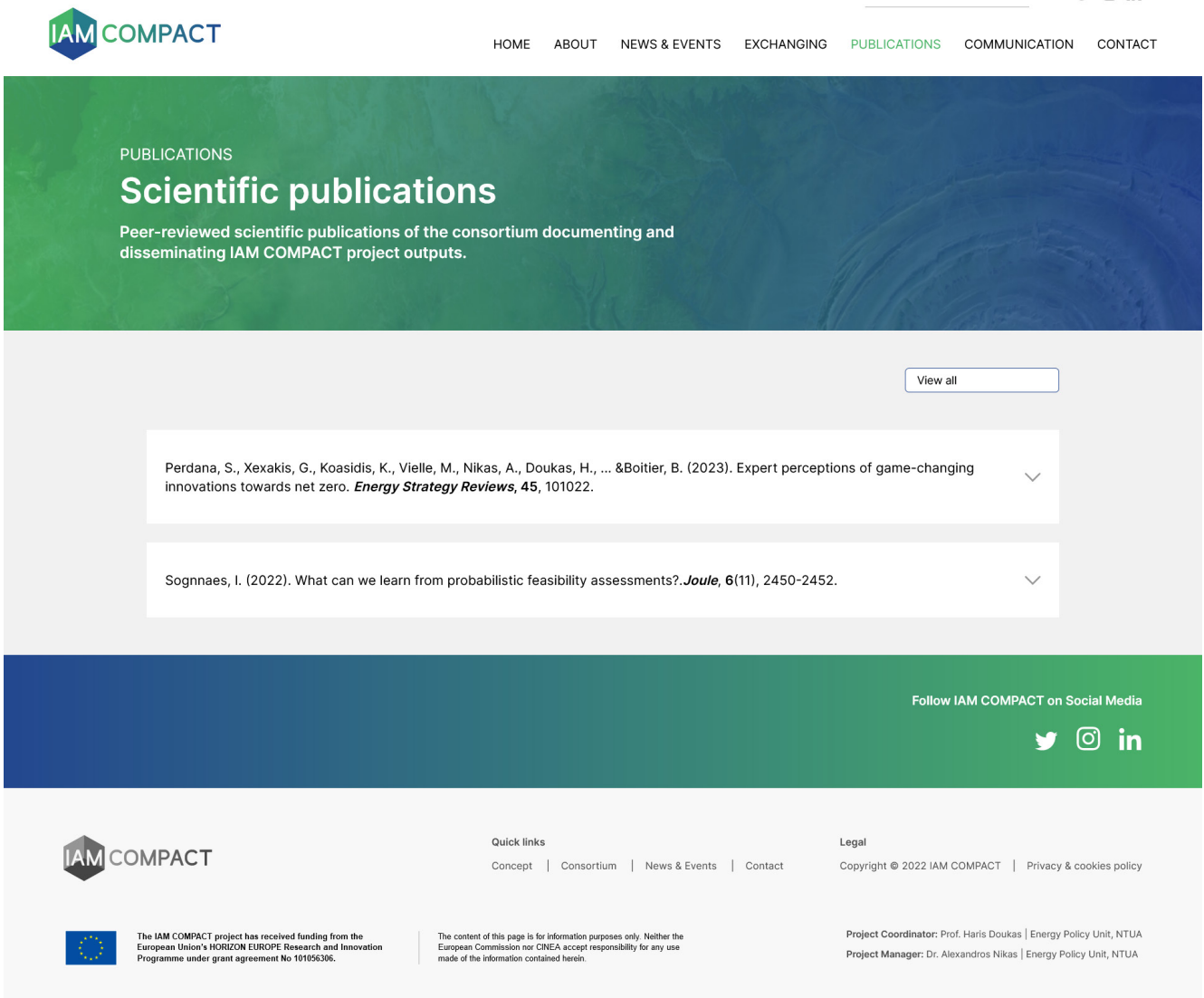
	NTUA - Ethnicon Metsovion Polytechnion	▾
	Aalto – Aalto Korkeakoulusaatio SR	▾
	AAU – Aalborg Universitet	▾
	Asociacion BC3 Basque Centre for Climate Change - Klima Aldaketa Ikergai	▴
<p>The Basque Centre for Climate Change (BC3) is an Excellence Research Centre based in the Basque Country (Spain), created in 2008, jointly promoted by the Basque Government and the University of the Basque Country. BC3's mission is to strategically foster the co-production of knowledge relevant to decision-making by integrating environmental, socioeconomic, and ethical dimensions of climate change. For the past decade, BC3's research of climate change and the science-policy interface offers knowledge, tools, and new methodologies that are aimed towards action and shared work to design and apply policies for sustainable development. Since July 2018, BC3 is among the 7 organisations distinguished as María de Maeztu units of excellence by the Ministry of Science of the Spanish Government.</p> <p>https://www.bc3research.org/</p>		
	Bruegel- Bruegel AISBL	▾
	CARTIF – Fundacion CARTIF	▾
	CICERO - Cicero Senter Klima for skning Stiftelse	▾
	E3M - E3 Modelling AE	▾

Figure 19. IAM COMPACT website “Project Consortium” static page (preview)

An example of a dynamic page is shown in figure below.



PUBLICATIONS

Scientific publications

Peer-reviewed scientific publications of the consortium documenting and disseminating IAM COMPACT project outputs.

[View all](#)

Perdana, S., Xexakis, G., Koasidis, K., Vielle, M., Nikas, A., Doukas, H., ... & Boitier, B. (2023). Expert perceptions of game-changing innovations towards net zero. *Energy Strategy Reviews*, 45, 101022.

Sognaes, I. (2022). What can we learn from probabilistic feasibility assessments?. *Joule*, 6(11), 2450-2452.

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Project Coordinator: Prof. Haris Doukas | Energy Policy Unit, NTUA
 Project Manager: Dr. Alexandros Nikas | Energy Policy Unit, NTUA

Figure 20. IAM COMPACT website "Scientific Publications" dynamic page

8.4 Special Features: Models

A comprehensive list of the IAM COMPACT models, covering the regions, geographical extents, sectoral coverage, range of greenhouse gas (GHG) emissions, foundations, and main endogenous and exogenous parameters per model and main indicators is showcased in the Models section.

The models are grouped in Integrated Assessment Models, Energy and Electricity System Models, and Sectoral System Models. Each model is represented by a square element that contains the name of the model.

The design of this section is such that moving the mouse pointer over each of the elements, the background colour changes, and a very short description of the model appears. By clicking on the element, the user is redirected to the detailed description of the model at the I²AM PARIS platform.

It should be noted that this section features a simplified overview of the documentation of each model. The detailed and dynamic documentation of the models is available at the I²AM PARIS platform.

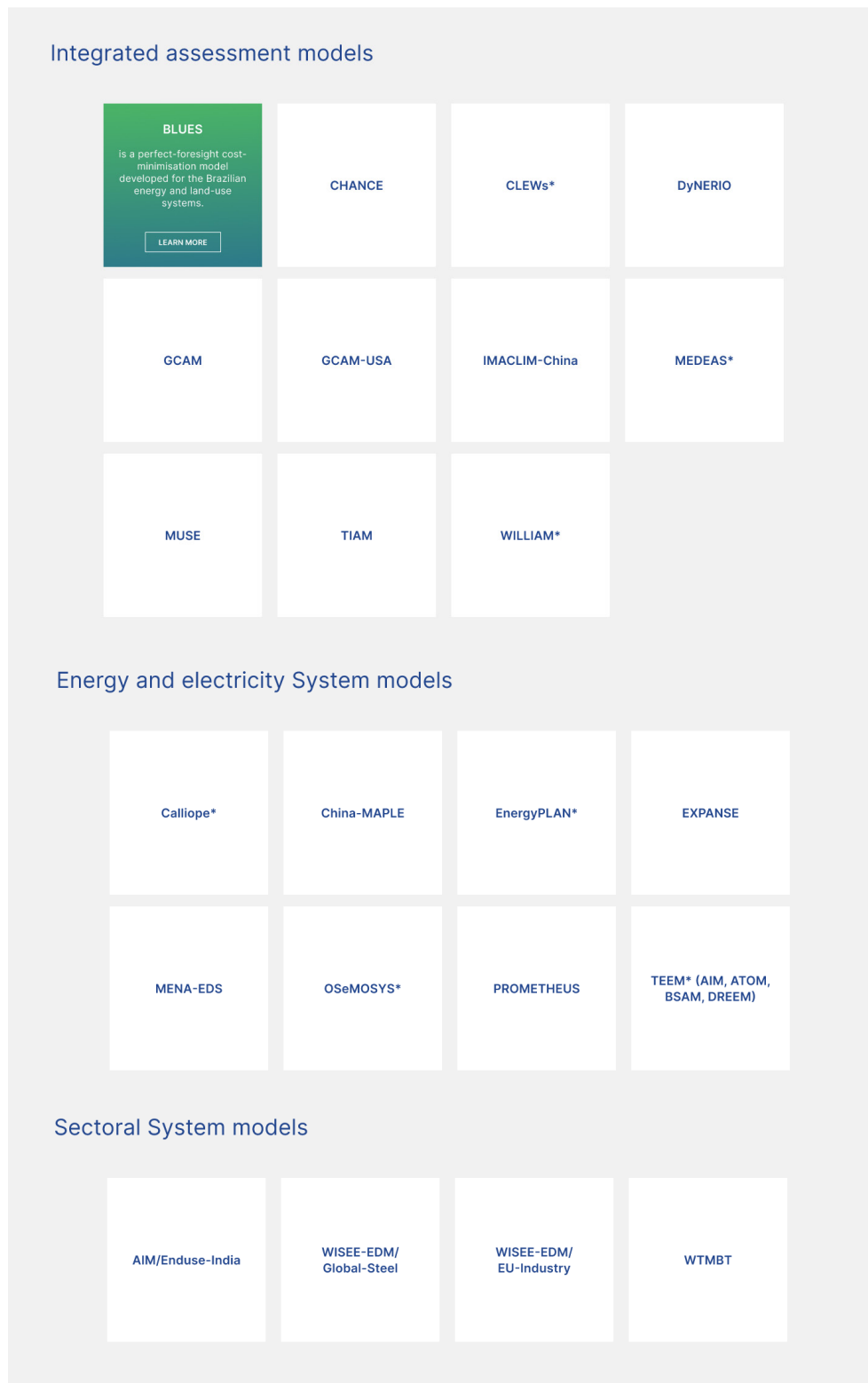


Figure 21. Brief overview of the models available in the “Models” page

ANNEX I: IAM COMPACT Alternative Logos



ANNEX II: IAM COMPACT Project Flyer



EXPANDING INTEGRATED **ASSESSMENT MODELLING**:
COMPREHENSIVE AND **COMPREHENSIBLE** SCIENCE
FOR SUSTAINABLE, CO-CREATED CLIMATE **ACTION**

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 sciences, integrating bodies of knowledge to co-create the research process and enhance transparency, robustness, and policy relevance.

The project explores the role of structural changes in major emitting sectors and of political, behaviour, and social aspects in mitigation. IAM COMPACT also quantifies factors promoting or hindering climate neutrality and accounts for extreme scenarios, to deliver a range of environmentally effective, viable, feasible, and desirable pathways. Finally, it develops technical capacity and promotes ownership in countries with limited in-house capabilities.



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www.iam-compact.eu



ANNEX III: IAM COMPACT Project Leaflet

Who we are



Universidad de Valladolid



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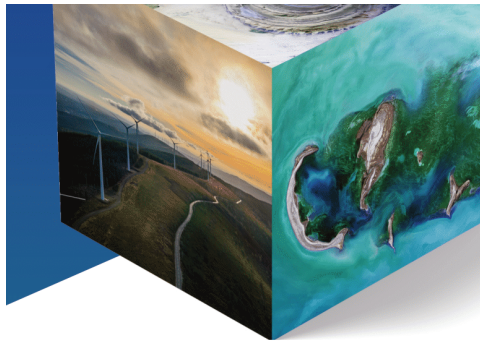
EXPANDING INTEGRATED ASSESSMENT MODELLING: COMPREHENSIVE AND COMPREHENSIBLE SCIENCE FOR SUSTAINABLE, CO-CREATED CLIMATE ACTION



IAM COMPACT aims to support 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



The IAM COMPACT project has received funding from the European Union's HORIZON EUROPE Research and Innovation Programme under grant agreement No 101056306.



IAM COMPACT uses a diverse ensemble of models, tools, and insights from social sciences and operational research, integrating bodies of knowledge to co-create the research process and enhance transparency, robustness, and policy relevance.

IAM COMPACT will:

- Support the assessment of global climate goals, progress, and feasibility space.
- Underpin the design of the next round of NDCs for major emitters and non-high-income countries.
- Explore the role of structural changes in major emitting sectors and of political, behaviour, and social aspects in mitigation.
- Quantify factors promoting or hindering climate neutrality.
- Account for extreme scenarios and disruptive events.
- Place climate action in the broad sustainable development spectrum.
- Develop technical capacity and promote ownership in countries with limited in-house capacity.

Approach

LISTENING

IAM COMPACT will establish a policy response mechanism aimed at representing policy, science, industry, and broader civil society. Via this mechanism, stakeholders will communicate needs, priorities, and questions on modelling capabilities and assumptions, help link these to fit-for-purpose modelling sets, and be actively involved in knowledge co-production.

EXCHANGING

The project will deliver open, transparent, reproducible, and coordinated science, by establishing shared protocols and templates for data exchange, model integration, and harmonisation. This will facilitate model evaluation, benchmarking, comparability, coherence, and consolidation, and will boost transparency. The IAM PARIS platform will be a central vessel of modelling activities.

MODELLING

IAM COMPACT will instigate multi-model analyses, in response to questions of scientific and policy relevance, based on a modelling ensemble comprising 25 (sub-) national, regional, and global integrated assessment, energy, and sectoral models, of diverse policy, technology, and sectoral representation, emissions coverage, and economic theory.

EXPANDING

From an interdisciplinary perspective, the project will investigate lifestyle shifts and emphasise gender aspects, political economy constraints, feasibility, innovation, and political ecology. It will reinforce the representation of sectors and their interrelations, as well as consider extreme and disruptive events, game-changing innovations, and climate action within holistic sustainable development.

EXPLAINING

IAM COMPACT will provide comprehensible results that can be owned by countries updating their NDCs, with actionable guidance on policy options to leverage drivers and overcome challenges to enhance mitigation ambitions. It will develop technical capacity to create models and scenarios for NDC updates in selected non-high-income countries, via workshops that will boost in-country interpretation of scientific evidence for practical action and trainings for technical staff in ministries.

Capacity development

IAM COMPACT will develop capacities in four countries of diverse backgrounds:



KENYA is facing multiple sustainability challenges, revolving around modern energy access, health, nutrition, clean water, etc.



ETHIOPIA is a fast-developing country, where competition for water resources is exacerbated by climatic changes, with livestock and biomass consumption being among the highest contributors to GHG emissions.



UKRAINE is on the brink of infrastructure catastrophe and reboot, following Russia's 2022 invasion, with previously adopted strategies not establishing a clear link between its energy sector and climate action.



SRI LANKA is an island state in South Asia in need of concrete nexus solutions, including climate resilience, food security, water use, and hydro development.



ANNEX IV: IAM COMPACT Project Poster



EXPANDING INTEGRATED ASSESSMENT MODELLING:
COMPREHENSIVE AND **COMPREHENSIBLE** SCIENCE
 FOR SUSTAINABLE, CO-CREATED CLIMATE **ACTION**

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 sciences, integrating bodies of knowledge to co-create the research process and enhance transparency, robustness, and policy relevance.



The project explores the role of structural changes in major emitting sectors and of political, behaviour, and social aspects in mitigation. IAM COMPACT also quantifies factors promoting or hindering climate neutrality and accounts for extreme scenarios, to deliver a range of environmentally effective, viable, feasible, and desirable pathways. Finally, it develops technical capacity and promotes ownership in countries with limited in-house capabilities.



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ANNEX V: IAM COMPACT Project Roll-up



EXPANDING INTEGRATED ASSESSMENT MODELLING:
COMPREHENSIVE AND COMPREHENSIBLE SCIENCE
 FOR SUSTAINABLE, CO-CREATED CLIMATE **ACTION**

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 sciences, integrating bodies of knowledge to co-create the research process and enhance transparency, robustness, and policy relevance.



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Let's stay connected



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ANNEX VI: IAM COMPACT Project Presentation



IAM COMPACT

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

ATHENS KICK-OFF MEETING (KOM)
8-9 SEPTEMBER 2022

IAM COMPACT project overview

Dr. Alexandros Nikas, Prof. Haris Doukas (NTUA)

 The IAM COMPACT project has received funding from the European Union's Horizon Europe Research and Innovation Programme under grant agreement No 101056306.

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Overview | 

Title:	Expanding Integrated Assessment Modelling: Comprehensive and Comprehensible Science for Sustainable, Co-Created Climate Action (IAM COMPACT)
Funding:	European Union's Horizon Europe Research and Innovation Programme (HE)
Lifetime:	September 2022 - August 2025 (36 months)
Coordination:	Energy Policy Unit, National Technical University of Athens (NTUA)
Participants:	20 beneficiaries; 2 associated partners
Call/Grant:	HORIZON-CL5-2021-D1-01-04/101056306

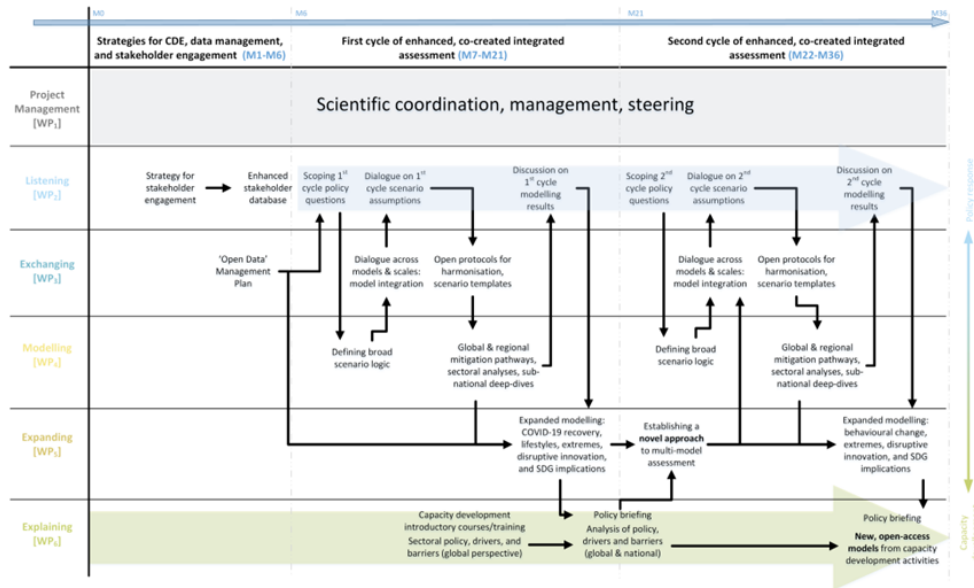


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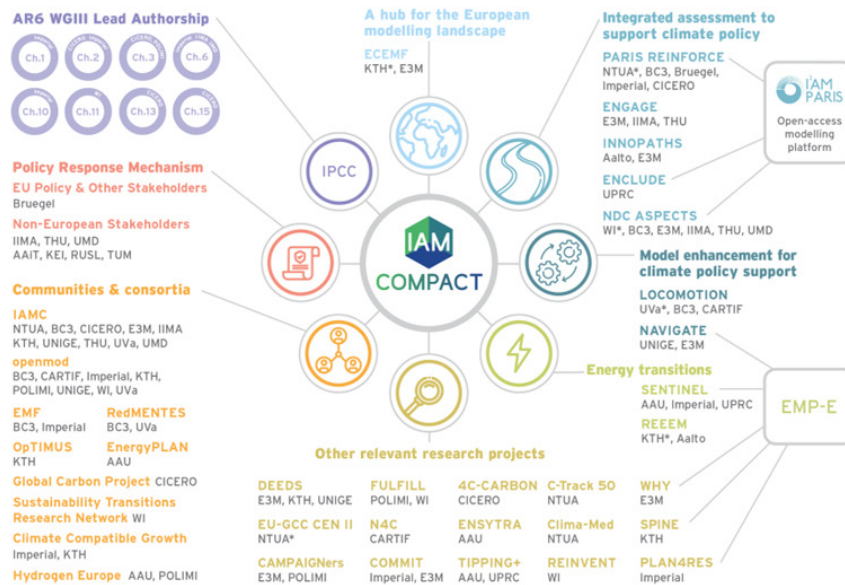
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Coordination & research along two cycles



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Moving science forward



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Capacity Development |

<p>KENYA Partner: TUM</p>	<p>ETHIOPIA Partner: AAIT</p>	<p>UKRAINE Partner: KEI</p>	<p>SRI LANKA Partner: RUSL</p>
<p>Kenya is facing multiple sustainability challenges, revolving around modern energy access, health, nutrition, clean water, etc. Sustainability efforts need to be intensified. However, ahead of its National Climate Change Action Plan update, the country lacks appropriate modelling capacities. Within IAM COMPACT, we will study, together with national stakeholders and six diverse coast-side counties, the clean energy - clean water - food - health nexus, co-developing a model for multi-SDG analysis.</p>	<p>In this fast-developing country, the competition for water resources is exacerbated by climatic changes, while livestock and biomass consumption are among the highest contributors to GHG emissions. Capacity development within UK's EEG program supported the creation of an AAIT-led local team of experts in energy analysis. IAM COMPACT will expand this capacity to carry out integrated resource assessments, focusing on sustainable biomass for energy and low-carbon farming.</p>	<p>With adopted strategies not yet establishing a clear link between the energy sector and climate action, Ukraine's NDC targets are being revised to increase the country's ambition. IAM COMPACT will help develop capacities and produce comprehensive modelling of the energy-climate-environment nexus, toward underpinning data-driven climate policies pertinent to Ukraine's current needs, and integrating a robust hydrogen strategy in the upcoming Integrated Energy and Climate plan.</p>	<p>This island state in South Asia joined a technical assistance programme with UNDP and UNDESA, leading to model applications across climate, land use, energy, and water. IAM COMPACT will further expand acquired capacity, to support the country's NDC and plans for sustainable development (including climate resilience, food security, water use, hydro development, etc.). This will involve deep-dive assessments of existing policies and the current debate on climate neutrality in the country by 2050.</p>

Ethiopia & Kenya:
among fastest developing countries in Africa, with many open sustainability fronts

Sri Lanka:
island state in South Asia, facing severe sustainability threats from climate change

Ukraine:
geopolitically sensitive country with high mitigation and adaptation priorities

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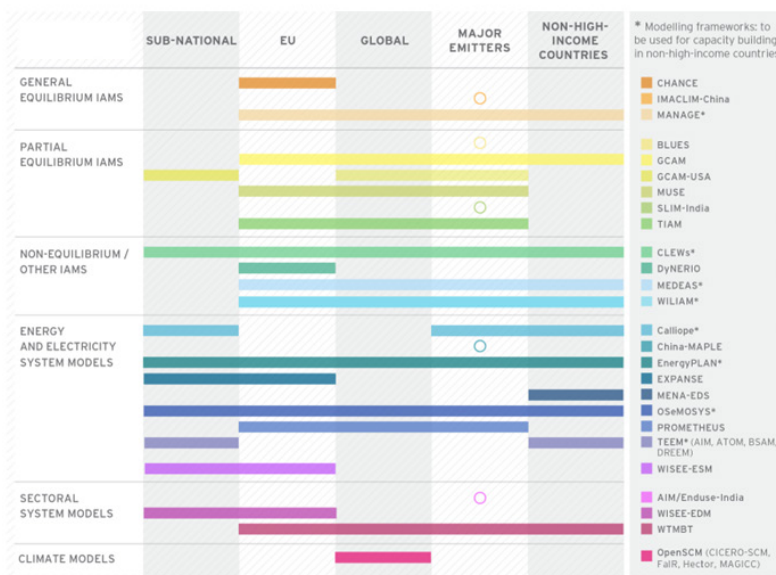
From Listening to Explaining |

The project can essentially be broken down into **five highly intertwined components** of activities:

LISTENING	EXCHANGING	MODELLING	EXPANDING	EXPLAINING
<ul style="list-style-type: none"> • Operation of a policy response mechanism • Co-creation of the research process and of new knowledge • Engagement with policymakers in the EU and other countries • Scoping policy & stakeholder needs • Linking questions to right models 	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Diverse ensemble (global, regional, sub-/national and sectoral models) • Detailed coverage of all sectors and their interlinkages • Multi-model runs & inter-comparisons • Post-2030 NDCs, (inter-) national scenarios 	<ul style="list-style-type: none"> • Better real-world policy representation • Extreme scenarios, deep uncertainty, and disruptive innovation • Holistic context of sustainability, incl. equity, biodiversity, & biophysical limits • Behavioural change, societal innovation, gender, & sequencing of transition 	<ul style="list-style-type: none"> • Linking model outputs to assumptions • Policy briefing • Customisable visualisations • Drivers, barriers & policy analysis, lessons from past and current policy • Technical capacity development for national policy support

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Modelling Ensemble | IAM COMPACT



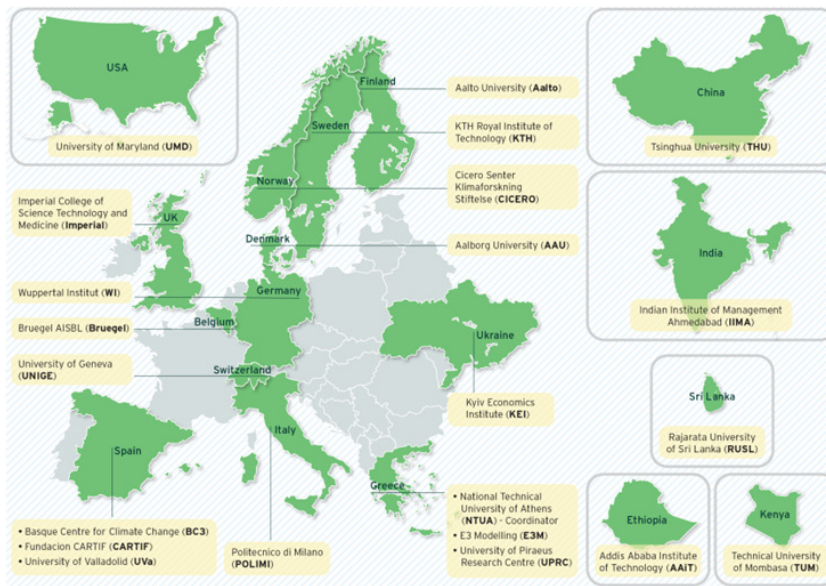
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Objectives | IAM COMPACT

- O₁**. Support climate policies (post-2030 NDCs and long-term strategies)
- O₂**. Place climate action in a holistic sustainable development framework
- O₃**. Enhance robustness (social, political, behavioural, innovation aspects)
- O₄**. Co-create science and enhance mutual learning
- O₅**. Establish an integration process (transdisciplinarity)
- O₆**. Open the 'black box' of models
- O₇**. Engage in the extreme uncertainty space (e.g., COVID)
- O₈**. Boost international cooperation, partnership, and capacity

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Consortium |



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Thank you!

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