



## D8.9 Report on clustering activities and participation of the educational communities in the European Climate Pact











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## WHO WE ARE

The ECF consortium consists of ten partners. The project is coordinated by Centro de Investigaciones Energéticas, Medioambientales y Tecnológicas-CIEMAT.

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## ABOUT THE PROJECT

Through a multidisciplinary, transdisciplinary and participatory process, ECF4CLIM develops, tests and validates a European Competence Framework (ECF) for transformational change, which will empower the educational community to take action against climate change and towards sustainable development.

Applying a novel hybrid participatory approach, rooted in participatory action research and citizen science, ECF4CLIM co-designs the ECF in selected schools and universities, by:

- 1) elaborating an initial ECF, supported by crowdsourcing of ideas and analysis of existing ECFs;
- 2) establishing the baseline of individual and collective competences, as well as environmental performance indicators;
- 3) implementing practical, replicable and context adapted technical, behavioural, and organisational interventions that foster the acquisition of competences;
- 4) evaluating the ability of the interventions to strengthen sustainability competences and environmental performance; and
- 5) validating the ECF.

The proposed ECF is unique in that it encompasses the interacting STEM (Science, Technology, Engineering, and Mathematics)-related, digital and social competences, and systematically explores individual, organisational and institutional factors that enable or constrain the desired change. The novel hybrid participatory approach provides the broad educational community with: an ECF adaptable to a range of settings; new ways of collaboration between public, private and third-sector bodies; and innovative organisational models of engagement and action for sustainability (Sustainability Competence Teams and Committees).

To encourage learning-by-doing, several novel tools will be co-designed with and made available to citizens, including a digital platform for crowdsourcing, IoT solutions for real-time monitoring of selected parameters, and a digital learning space. Participation of various SMEs in the consortium maximises the broad adoption and applicability of the ECF for the required transformational change towards sustainability.



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## 1 EXECUTIVE SUMMARY

This document is the Deliverable 8.9. 'Report on clustering activities and participation of the educational communities in the European Climate Pact', of the ECF4CLIM project funded by the European Commission under the H2020 - European Green Deal Call, under the grant agreement no. 101036505.

The objective of the report is to update on the activities performed within the Clustering Plan (see Deliverable D8.2).

The deliverable presents the activities performed in the following clustering activities: (1) Coordination with JRC common reference framework on Sustainability Competences (GreenComp), (2) Coordination with our sister project GreenSCENT, (3) Coordination with other projects funded under Green Deal call, topic 10.3, (4) Clustering activities with Green Deal projects, and (5) activities in the framework of the Climate Pact.

## 2 OBJECTIVES

The clustering activities undertaken in ECF4CLIM are planned to ensure the liaison and coordination with other projects funded under the GD 10.3 call and, more generally, with projects funded under the Green Deal call.

The objective is to stimulate **the synergies and to create the optimal appropriate conditions for a common work.**

Additionally, it is intended to stimulate the participation of the educational communities working in this project in the European Climate Pact.

## 3 ACTIVITIES UNDERTAKEN SO FAR

### 3.1 Coordination with JRC common reference framework on Sustainability competence (GreenComp)

The JRC in coordination with Commission's Directorate General for Education, Youth, Sport and Culture has developed a common reference framework on Sustainability



competences (GreenComp)<sup>1</sup>. GreenComp is a reference framework for sustainability competences and provides a common ground to learners and guidance to educators, advancing a consensual definition of what sustainability as a competence entails. Following the indications of the EC, GreenComp has been one of the key starting points of the competence framework developed in ECF4CLIM, together with our hybrid participatory approach.

As part of the coordination activities with GreenComp, ECF4CLIM participated in the second expert workshop on a European competence framework on sustainability held on September 15<sup>th</sup> 2021. The workshop objectives were to gather feedback on the European Commission's draft competence framework on sustainability.

Also, as part of these coordination activities, JRC and DG EAC representatives were invited to participate in the ECF4CLIM kick off meeting held on October 18<sup>th</sup> 2021.

After this first contact, another meeting was held on November 19<sup>th</sup> 2021 in order to explore possible synergies between ECF4CLIM and GreenSCENT, our sister project. Representatives from JRC and DG EAC, as well as from ECF4CLIM and GreenSCENT engaged in a preliminary dialogue on the conceptual and methodological approaches in both projects.

A follow up meeting was held on 15<sup>th</sup> February 2023 also with the participation of JRC and DG EAC, and ECF4CLIM and GreenSCENT representatives. In this meeting the progress made on both projects on the ECF development was reviewed.

As suggested in the above mentioned meeting, ECF4CLIM joined the **GreenComp Community of practice**<sup>2</sup> and attended the launching event on the 22<sup>nd</sup> March 2023.

### 3.2 Coordination with our sister project GreenSCENT

Another project was funded under the Green Deal call topic 10.3 "Enabling citizens to act on climate change, for sustainable development and environmental protection through education, citizen science, observation initiatives, and civic engagement", subtopic 1: "Enabling citizens to act on climate change and for sustainable development through education". This project is **GreenSCENT** and it is coordinated by the Università Telematica Internazionale UNINETTUNO (Italy).

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<sup>1</sup> <https://publications.jrc.ec.europa.eu/repository/handle/JRC128040>

<sup>2</sup> <https://education-for-climate.ec.europa.eu/community/GreenCompCommunityGroup/about>



A detailed Action Plan for the Interaction with our sister project GreenSCENT was developed already in the GA preparation phase. The two projects agreed a shared strategy for continuous and mutual updates, synergies development and definition of Joint activities.

GreenSCENT and ECF4CLIM agreed to setup a set of mechanisms for collaborating on a regular basis. One or two “project ambassador” will be nominated by the two projects. They will take care of:

- Organize regular meetings for synchronization, updating and joint activities development among the two projects,
- Create a shared platform and calendar of events so that each project can keep up to date with events and invite where possible members of the other sister project,
- Proposing new ideas for publications,
- Organizing panels for future conferences.

The two projects discussed the possibility of using the “Advisory board” as the tool supporting the mutual participation of Coordination team members in the respective sister project.

Furthermore, both projects had a similar approach in drafting the 1st release of their ECFs that can be summarized as follows:

- Meta-analysis/desk research, performed by consortium experts;
- Co-design/Citizen Engagement/participatory approach
- Advisory board involvement; as a bridge for the two projects

As GreenSCENT will end a year earlier, ECF4CLIM commits to consider their findings & proposals in the elaboration of recommendations on key components and requirements for the final version of the ECF.

Finally, both projects already foresaw, at the proposal level, specific activities and tasks focused on the interaction with the sister project. GreenSCENT Task 6.2 “SCENT clustering and peer learning activities” defines a clear strategy for the interaction with the sister project, while ECF4CLIM Task 8.4. “Clustering Activities Plan” is dedicated to liaison and coordination with other projects funded under this call.

As part of these coordination activities, the GreenSCENT Project coordinator, Alessandro Caforio, was invited to participate in the ECF4CLIM kick off meeting held on October 18<sup>th</sup> 2021. ECF4CLIM coordinators participated in the GreenSCENT kick off meeting on the 1<sup>st</sup> of February 2022.





On February 17<sup>th</sup>, a first coordination meeting with GreenSCENT was scheduled short after the GreenSCENT kick off meeting to start organising the work on the development of the competence framework.

Another unofficial meeting with GreenCENT to discuss each project's approach to and conceptualization of the ECF was held on June 16<sup>th</sup> 2022. In this meeting both projects presented a brief description of what they had done so far in terms of developing their ECFs, and what they envision the final product will look like.

Additionally, ECF4CLIM participated in an online workshop organized by GreenSCENT to receive external feedback on their competence framework using a dynamic knowledge graph in November 22<sup>nd</sup> 2022.

### **3.3 Coordination with other projects funded under Green Deal call, topic 10.3**

There are other projects funded under the Green Deal call, topic 10.3: "Enabling citizens to act on climate change, for sustainable development and environmental protection through education, citizen science, observation initiatives, and civic engagement" in Subtopic 2: "Enabling citizens to act on climate change and for sustainable development through better monitoring and observing of the environment and their environmental impacts"

These projects are the following:

- SOCIO-BEE. Wearables and drones fOr City Socio- Environmental Observations and BEhavioral ChangE, coordinated by the ETHNIKO KENTRO EREVNAS KAI TECHNOLOGIKIS ANAPTYXIS (Greece).
- PSLifestyle. Co-Creating Positive and Sustainable Lifestyle Tool with and for European Citizens coordinated by SUOMEN ITSENAISYYDEN JUHLARAHASTO (Finland).
- CompAir. Community Observation Measurement & Participation in AIR Science coordinated by VLAAMSE GEWEST (Belgium).
- I-CHANGE. Individual Change of HABits Needed for Green European transition coordinated by Centro Internazionale in Monitoraggio Ambientale -Fondazione CIMA (Italy).
- AURORA. Achieving a new European Energy Awareness coordinated by UNIVERSIDAD POLITECNICA DE MADRID (Spain).

A common event to facilitate the coordination and exploitation of synergies among these projects was organized on February 14<sup>th</sup> 2022. In a follow up meeting held on



February 22<sup>nd</sup>, 5 clusters were identified. A coordinator was selected and the development of 5 Action Plans was started. The clusters are presented in Table 3.3.1.

▪ Table 3.3.1 Clusters identified in GD 10.3

Cluster ID	Cluster description	Coordinator
1	Carbon footprint calculator	Yolanda Lechón from ECF4CLIM
2	Air quality	Andria Nicodemou from GreenSCENT
3	Key sensors	Antonio Parodi from I-Change
4	Citizen engagement	Alessandro Caforio from GreenScent
5	Dissemination and links with broader initiatives	Martin Brockelhurst from AURORA

Other elements having potential interest were identified as: (1) sharing knowledge on ethical issues (including working with children), (2) Green Deal ambassadors. Within the Cluster #1, “Carbon footprint calculator”, coordinated by ECF4CLIM, the following activities were included in the Action Plan:

1. Share/Compare databases. Responsible project: ECF4CLIM in cooperation with PSLifestyle
2. Common labelling approach. Responsible project: AURORA in cooperation with PSLifestyle. A progress meeting with AURORA and PSLife Style was held in which the methods of labeling used by AURORA and PSLifeStyle were shared.
3. External review process. Responsible project: AURORA. In this respect, AURORA project has already implemented a peer-review process for the labeling and the footprint calculator. An external review by 4 experts is completed.
4. Joint exploitation. Responsible project: ECF4CLIM
5. Common hosting of the tools. Responsible project: CompAir
6. Inter-comparability exercise. Responsible partner: I-CHANGE

The Action Plan for the Cluster #1 “Carbon footprint calculator” is presented in Annex1, including some details for the implementation.

During the period of the activity of the involved projects several carbon footprint calculators were developed and are public available at the following web address:

- ECF4CLIM : <https://ecf4clim.smartwatt.net/simulators-space/simulators-space.html#environmental>
- AURORA: <https://www.aurora-h2020.eu/aurora/ourapp/#newsletter-popup>
- PSLifestyle: <https://pslifestyle-app.net/selections>



The representatives of the involved projects decided to meet twice per year by videoconference to monitor the development of each other's calculators and to review the status of the clustering activities planned.

Other than the Cluster #1 "Carbon footprint calculator", ECF4CLIM participates in the other clusters together with other projects as follows:

- (1) "Citizen engagement strategies and collaboration on pilot areas", participants: ECF4CLIM, GreenSCENT, CompAir, I-Change, Socio-Bee, AURORA, PFLifeStyle.
- (2) "Air quality", participants: Socio-Bee, CompAir, ECF4CLIM, GreenSCENT, I-Change,
- (3) "Synergies for Dissemination and links with broader initiatives", participants: AURORA, Socio-Bee, CompAir, ECF4CLIM, GreenSCENT, I-Change, PSLifestyle.

For these three clustering areas the Action Plans are presented respectively in the Annex 2, Annex 3, and Annex 4.

In September 23<sup>rd</sup> 2022, another meeting was held with the European Commission to monitor the progress made in the Action Plans.

ECF4CLIM contributed to:

- (1) Coordination of the clustering activities of Cluster #1,
- (2) Sharing the concept of CFC with the other participants in order to select the common valuable elements and to use the complementarities in the development,
- (3) Sharing the experience of the development of hybrid participatory approach targeting a large participation of the educational communities,
- (4) Communicating the methods and sensors for the monitoring of Air Quality in the demonstration sites

### **3.4 Clustering activities with Green Deal projects**

The European Commission (DG RTD) set up this activity to increase synergies, coordination and collaboration among the 73 projects funded under the Horizon 2020 Green Deal Call and maximize their positive impact in the longer term.

The support office is managed by a consortium led by Ecorys and will operate until November 2026, with the aim to support Green Deal projects in effective collaboration, provide networking and knowledge exchange opportunities to develop synergies, and



help projects boost communication, dissemination and exploitation efforts of their results

A first informative meeting was held on 2<sup>nd</sup> March 2022, and the first Board of Coordinators meeting took place on 22<sup>nd</sup> June 2022. The second Board of Coordinators meeting organised in the context of the Green Deal Projects Support Office (GD-SO) will take place on 5 June 2023 from 13:00-18:00 CEST in Brussels, Belgium.

ECF4CLIM belongs to the Knowledge & Citizens (K&C) Working Group. The Knowledge and Citizens WG includes 16 projects (RI-URBANS, CIRCULAR FOAM, ILIAD, PHOENIX, SHARED GREEN DEAL, GreenSCENT, AURORA, PSLifestyle. PAUL, FRONTSH1P, ACCTING, REAL\_DEAL, ECF4CLIM, I-CHANGE, SOCIO-BEE, CompAir) covering six different Green Deal Calls:

- Behavioral, social, and cultural change for the Green Deal (LC-GD-10-2-2020)
- European capacities for citizen deliberation and participation for the Green Deal (LC-GD-10-1-2020)
- Enabling citizens to act on climate change, for sustainable development and environmental protection through education, citizen science, observation initiatives, and civic engagement (LC-GD-10-3-2020)
- European Research Infrastructures capacities and services to address European Green Deal challenges (LC-GD-9-1-2020)
- Demonstration of systemic solutions for the territorial deployment of the circular economy (LC-GD-3-2-2020)
- Transparent & Accessible Seas and Oceans: Towards a Digital Twin of the Ocean (LC-GD-9-3-2020)

On 2022 June 15 the on-line meeting of the Knowledge and Citizens Working Group discussed the possible clustering activities. The following categories of synergies were identified: (1) Technical/ impact synergies, (2) Procedural/methodological synergies.

In the first category the following actions were proposed for the clustering activities: (1) Reduce the gap between citizens' awareness and individual actions, (2) Provide citizens with information systems and tools to support decision-making in both pollution monitoring and circular economy solution adoption. ECF4CLIM will contribute (together with CompAir, GreenSCENT, I-CHANGE, PSLifestyle, SOCIO-BEE, AURORA) to the first action.

For the second category the following actions were identified: (1) Planned events/types of methods aiming at enhancing citizens engagement, (2) Policy recommendation and influence, (3) Development new methodological approaches/tools, (4) Interdisciplinary approaches. ECF4CLIM will contribute to the first actions together with I-CHANGE, AURORA, CompAir, REAL\_DEAL, SHARED GREEN DEAL.



A second K&C WG meeting took place on 18<sup>th</sup> November 2022. The aim of this second workshop was to increase collaboration and coordination between the WG's constituent members in order to identify synergies that increase project impacts. This aim is to be achieved through the adoption and implementation of an Action Plan embodying common activities carried out by the projects with the support of the WG Facilitator's team and GD-SO.

In this regard, an Action Plan has already been developed. In this Action Plan, 4 focus areas (organizational and geographical coordination, policy influence, methods for engaging stakeholders and citizens and case studies) and 8 concrete actions were identified. Currently, action groups and action leaders are being identified. A dedicated informal consultation with ECF4CLIM was held on the 3<sup>rd</sup> of February 2023 to clarify our possible role.

In the framework of the Green Deal clustering activities, ECF4CLIM participated in the workshop "Dialogue on selected European Green Deal Policy Priorities Workshop" that was held on 12<sup>th</sup> January 2023. The main objective of the workshop was to provide information about the Commission policy priorities related to the implementation of the selected European Green Deal policies, and to outline the ways in which projects supported by the Green Deal Projects Support Office (GD-SO) can contribute to the implementation of these policies. Further aims were enabling project coordinators to have an open discussion with policy officers, and gaining a better understanding of the possible ways their project results can feed into the Commission policy processes.

Also, in the framework of these activities, ECF4CLIM has participated in the preparation of a proposal for EU Green Week Partner Event on June 8<sup>th</sup> 2023 entitled: "Empowering and skilling citizens to become drivers towards a climate neutral and sustainable Europe through citizen science»<sup>3</sup>.

### **3.5 Activities in the framework of the Climate Pact**

This task also includes efforts to communicate, invite and stimulate the educational communities and other stakeholders to participate in climate action and build a greener Europe in the framework of the Climate Pact.

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<sup>3</sup> [https://green-week.event.europa.eu/partner-events-list/empowering-and-skilling-citizens-become-drivers-towards-climate-neutral-and-sustainable-europe-2023-06-08\\_en](https://green-week.event.europa.eu/partner-events-list/empowering-and-skilling-citizens-become-drivers-towards-climate-neutral-and-sustainable-europe-2023-06-08_en)



The European Climate Pact is an EU-wide initiative inviting people, communities and organizations to participate in climate action and build a greener Europe.

The Pact is an EU-wide initiative that invites people, communities and organizations to:

- Connect and share knowledge,
- Learn about climate change,
- Develop, implement and scale up solutions.

In ECF4CLIM the initiative is considered highly interesting and promising and therefore we will encourage the participation of the schools in the activities of development of ECF.

The activities of the ECF4CLIM project are fully in line with all four areas (Green areas, Green transport, Green buildings and Green skills) of the Climate Pact. ECF4CLIM project will pursue action in all four areas, by encouraging the participating educational establishments to become Climate Pact Ambassadors, make pledges of the climate-friendly actions implemented, or register in ECF4CLIM events.

Information concerning the environmental interventions implemented in WP5 and evaluated in WP6 could be communicated to the other participants on Climate Pact activities to spread knowledge and awareness, and collectively develop and implement climate solutions. Possible initiatives will be proposed in our Sustainable Competences Teams and Committee's Meetings.

## 4 CONCLUSIONS

An important part of the effort of ECF4CLIM project dedicated to clustering-oriented activities, for the period October 2021 - March 2023, consisted of the identification of activities of common interest for the projects included in GD, with a special focus on GD-10. An important support in organization of the discussion and planning was ensured by GD-SO.

A set of clustering areas were identified and agreed by the participating projects. Participants and coordinators were identified, and Action Plans for each clustering area were developed. ECF4CLIM is participating in 4 clustering areas in the Green Deal call, topic 10.3, and assumed the role of coordinator for Cluster #1 "Carbon footprint calculator". The progress in this cluster is illustrated by the development of some applications (Carbon Footprint Calculators) that are now public available. In the construction of these applications the discussion of some commonalities and complementarities was extremely useful to contribute to a better use of the resources.



It should be mentioned the significant effort to contribute to the clustering activities and at the same time the good perspective created for a better use of the resources, and to use the results, including the exploitation of them.



## ANNEX 1. ACTION PLAN - CARBON FOOTPRINT CALCULATOR

Scope of carbon footprint calculators clustering area is to develop CFCs. The following specificities are identified: (1) **AURORA** is developing a carbon footprint calculator focused on **energy consumption** (electricity, heat and mobility), (2) **PSLifestyle** develops a **lifestyle** carbon footprint covering consumption-based GHG emissions of housing, transport & tourism, food, other consumption, (3) **I\_CHANGE** is developing a **Smartphone Application for personalized Carbon footprint calculator** with a focus on Household Energy consumption, Transport, Food consumption, Water and wastewater consumption, etc., (4) **COMPAIR** will develop a **Carbon Footprint Dashboard** designed to support specific experiments around carbon footprints, (5) **ECF4CLIM** is developing an **environmental footprint calculator** thought for the self-assessment of **students** and **educational institutions**.

### Actions:

		Coordinated by	Purpose
1	<b>Share/Compare databases</b> The projects will share the databases used in their tools to the extent possible (open source data). When data come from proprietary databases (those coming from Ecoinvent for example), a comparison of data will be performed to identify major discrepancies.	ECF4CLIM in cooperation with PSLifestyle	Use common/comparable background data for carbon footprint calculations
<b>Next steps:</b> Create and share a template to be filled by the projects			
2	<b>Common labelling approach</b> The projects will share the methodology employed to define these labels and a possible common approach on labeling will be studied	AURORA in cooperation with PSLifestyle.	Adopt a common approach for a simplified communication of CF results oriented to laypeople
<b>Next steps:</b> Sharing of the methods for labelling by AURORA and PSLifestyle and planning of discussions among projects on the possibilities to implement similar approach in the other 3 projects			
3	<b>External review process</b> An open peer-review processes within our "cluster" can be performed once the various calculators are finalized	AURORA	Review of approaches, methods and underlying data used in the tools
<b>Next steps:</b> Select the volunteers for the peer review among the projects' partners			
4	<b>Joint exploitation</b> The projects will develop a common exploitation strategy based on the following elements: (1) offer a package of	ECF4CLIM	Maximize the impact





	applications (2) identification of the well fitted audiences (3) identify the best ways to reach the audiences, (4) define the common rules for the exploitation		
5	<p><b>Common hosting of the tools</b>          The projects will host a link to their calculators in a common platform. A possible option would be <a href="https://living-in.eu/">https://living-in.eu/</a>.</p> <p><b>Next steps:</b> Check possible options for this common platform</p>	CompAir	Facilitate the use of the package of applications
6	<p><b>Intercomparability exercise</b>          The projects will perform an intercomparability exercise when all the calculators are ready</p>	I-CHANGE	Make sure that the tools provide comparable results

- The projects will meet **twice per year** by videoconference to update on the development of each other's calculators and to make a review of the status of the 6 clustering activities planned.
- Next meeting will be organized after the summer 2022.



## **ANNEX 2. ACTION PLAN - CITIZEN ENGAGEMENT STRATEGIES AND COLLABORATION ON PILOT AREAS**

Scope of Citizen Engagement area: exploitation of the potential of all seven projects to engage citizens in experimenting the EU Green Deal in order to: (1) emphasize the role of participatory design and citizen engagement in the definition/adoption of a policy, (2) enable projects to share practices and lesson learned (and possible data collected by the research participants), (3) start the definition of a EU user research repository.

### **Actions:**

		Coordinated by	Purpose
1	<p><b>Map the projects' activities involving citizens/users in the different projects in terms of: characteristics of actors involved, geographic scope, nature of information/feedback requested/collected</b></p> <p>Define an online form to be shared with the projects, mapping the activities involving citizens/users during the project lifetime, and the expected level of engagement</p>	GreenSCENT	Exchange of the experiences in involving citizens/users, identify good practices
<p><b>Next actions:</b> (1) form preparation and launch (mid of April 22), (2) collect the data (June 22), (3) online meeting (June 22)</p>			
2	<p><b>Elaborate a short template (2 pages) for the exchange of information between projects (short reports on feedback gathered)</b></p> <p>The following elements will be included: (1) geographical regions involved, (2) number of participants and their characteristics, (3) methodology, (4) key results, (5) difficulties and risks prevention measures to be incorporated in lesson learned</p>	GreenSCENT	Enhance the knowledge exchange and strengthen the collaboration possibilities
<p><b>Next actions:</b> Template to be circulated in September 22, Short reports – start the circulation in Fal 22</p>			
3	<p><b>Establish a basic user exchange data process</b></p> <p>Develop a minimum protocol for the exchange of user research data among projects (variables, type). Establish a EU user research repository.</p>	tbd	Increase the capacity of projects to exchange data from engagement activities



## ANNEX 3. ACTION PLAN - AIR QUALITY

Scope of Air Quality synergy area: explore how to better communicate air quality to citizens and young students in order to educate, raise awareness and promote behavioural changes, e.g. how to visualise scientific data in a way that is understandable to non-experts (for example by developing augmented reality app).

### Actions:

		Coordinated by	Purpose
1	<p><b>Map activities and initiatives related to air quality</b> Create a list of relevant activities planned by each project that are related to air quality. The activities list will be updated regularly.</p>	tbd	Understand the nature, timings and geographical distribution of activities planned in each project; better identify specific areas for synergy and opportunities for collaboration
<b>Next steps: Create and share activity template / form; all projects to fill this in</b>			
2	<p><b>Regularly share lessons learnt</b> Share the lessons learnt from the air quality activities and interactions with schools and citizens; oral presentation or written summary during cluster meetings scheduled at the end (or beginning) of each school semester - approx. every 3 months</p>	tbd	Exchange knowledge on the methodology used and good practices; learn from each other and avoid repeating errors; have a larger pool of knowledge and feedback to help shape and improve future actions
<b>Next steps: meetings March/April, September, December...</b>			
3	<p><b>Draft a pathway for synergies</b> Through the regular interactions, identify and create a plan for collaboration (such as organize a joint event, convene a joint session or share a booth at a conference, participate in the planned activities of other projects, joint communication activities...)</p>	tbd	
<b>Next steps: Identify any collaboration opportunities by the end of 2022</b>			
4	<p><b>Legal aspects of air quality</b> Investigation of the legal frameworks and identification of the common legal aspects and peculiarities to be considered</p>	tbd	



## ANNEX 4. ACTION PLAN - DISSEMINATION AND LINKS WITH BROADER INITIATIVES

Scope of the Dissemination and Links with Broader Initiatives is to develop common actions in support of the communication, dissemination and exploitation of the projects' results.

### Actions:

		Coordinated by	Purpose
1	<b>Briefing sessions for DGs and the EU Parliament</b> Build support for the integration of our work in the EU Directives and subsequent implementation	AURORA, SOCIO-BEE, and COMPAIR	Political and policy briefing
2	<b>Briefing sessions with MS representatives and EU representatives on UN Standing Committees multi-lateral agreements for UNEA</b> Develop champions able to argue for the replication of the cluster findings into UNEA multi-lateral agreements	AURORA, SOCIO-BEE, and COMPAIR	Political and policy briefing
3	<b>Headline speakers at critical UN events</b> To illustrate the values of the cluster work in delivering UN objectives. To create champions for replication of the cluster work	AURORA, SOCIO-BEE, and COMPAIR	Political and policy briefing
4	<b>Bi-monthly meetings to share project progress and brainstorm common issues</b> Sharing the best practices, brainstorming on common problems, fostering cooperative working, developing a common agenda	tbd	Developing common materials
5	<b>Brainstorm/Hackathon events to develop a suite of common tools and methods</b> Developing low-cost tools and procedures to meet common objectives of the cluster	tbd	Developing common materials
6	<b>Develop a common Green Deal Cluster website with EU-Citizen Science</b> Developing a value for money solution building on the existing EU investments in EU Citizen Science avoiding proliferation of websites on similar topics. Developing strong links to the global citizen science	tbd	Developing common materials



**D8.9. Report on clustering activities and participation of the educational  
communities in the European Climate Pact**

	community to support replication activities		
7	<p><b>Developing common approach and methodology to measure citizen science impact on society</b> Developing a standard best practices procedure to measure the societal impact of citizen science</p>	SOCIO-BEE	Promoting long-term programmes and data systems
8	<p><b>Building regional and global replication programmes with DG INTP, the GSCP, and the UNSPBF</b> Developing and replicating model that would support uptake of the outputs as part of EU overseas aid development programmes. Identifying business opportunities supporting global replication in support of the delivery of key SDG's and Climate change targets with UNSPBF partners</p>	tbd	Promoting long-term programmes and data systems