

Climate Action and Accounting SIG Home



Hyperledger CLIMATE ACTION & ACCOUNTING SPECIAL INTEREST GROUP

Join Us

Climate change presents an existential threat to humanity and will require the greatest mobilization of resources and collaboration in human history. In this effort, the Climate Action and Accounting Special Interest Group (CA2SIG) is focused on supporting the development of an open global climate accounting system to support stakeholders' efforts to manage our single planetary carbon budget and help achieve the goals of the Paris Agreement (the United Nation's global climate accord). To accomplish this, the CA2 SIG is fostering a collaborative network of stakeholders to explore how to use digital technologies such as blockchain DLT, open source software, AI, IOT, Big Data, machine learning, etc. to create a transparent climate accounting system that is capable of balancing global climate emissions against global climate actions in order to achieve a net-zero carbon future.

Get involved

[Hyperledger](#), as part of the [Linux Foundation](#), is an open source community and anyone who is interested is welcome to contribute to projects, share expertise, or engage with the group to learn about the emerging climate accounting ecosystem. See the [contributions opportunities](#) we have for everybody!

Mission and Goals

Our mission is to bring stakeholders together to look at climate related use cases, technologies, frameworks and partnerships needed to build a global and open climate accounting system to support stakeholders' efforts to achieve the goals of the Paris Agreement (the United Nation's global climate accord) and to support implementation of the recommendations of the Task Force for Climate-related Financial Disclosure (TCFD), among various initiatives. The SIG encompasses the wide array of climate actions, for example GHG management and mitigation, resilience and adaptation to climate impacts, and climate finance, including also for various types of applications (e.g. facilities, supply chains, communities, technologies, etc.).

The CA2SIG is fostering a collaborative network of climate, DLT, and other emerging technology organizations (i.e. universities, NGOs, government, startups, corporations, multilateral development banks, etc.) that can create a center of gravity around the role of DLT and open source software to address challenges in the global climate action, policy and digital accounting space. A focus point of the SIG would be to turn this network into action under a common open source project that defines shared protocols, standards, and platform tools for a globally integrated climate accounting system to be operationalized. This open climate project can act as a shared initiative where participants can contribute value to and share explorations in the use of DLT alongside other emerging technologies such as IoT (Internet of Things), big data, and machine learning to address the challenge of keeping a transparent climate accounting system towards the climate targets set in the 2015 Paris Agreement.

Scope

The scope of the SIG is defined by the terms *climate action* and *climate accounting*.

Climate Action is a broadly encompassing term that involves all climate-relevant actions (e.g. policies, programs, technologies, goods, services...) taken by actors (e.g. states and non-state actors such as businesses, cities, individuals...) — from emission generating activities, to the broad set of actions encompassed within climate mitigation and adaptation and its associated finance mechanisms.

Climate Accounting, on the other hand, is referred to here as the encompassing term that involves all processes of recording climate-relevant information/data — from the physical state of the planet to the list of all climate actors, their broad set of climate actions and agreements in respect to the shared account of the climate challenge.

How to Get Involved

This is open source special interest group is open to anyone that is interested in contributing. Below we've provided some recommendations to help you get started.

- [Sign-in and sign-up](#)
- [Get up-to-speed](#)
- [Contribute as a non-technical member](#)
- [Contribute as a technical member/developer](#)
- [Mentorship Opportunities](#)
- [Make a Video](#)
- [Tell us your climate idea!](#)

Communication Channels

These are the mechanisms that this working group uses to communicate:

Mailing List

- You can post to the list by emailing climate-sig@lists.hyperledger.org.
- [Subscribe](#) to the list to receive emails
- [Archives](#) contain past list messages

Recent Climate SIG Content

Blog Post [Tackling Energy Security and Climate Change with Open Source and Blockchain](#)

Blog Post [Climate Change Action: Five Ways to Get Involved in Our Global Climate Accounting Efforts](#)

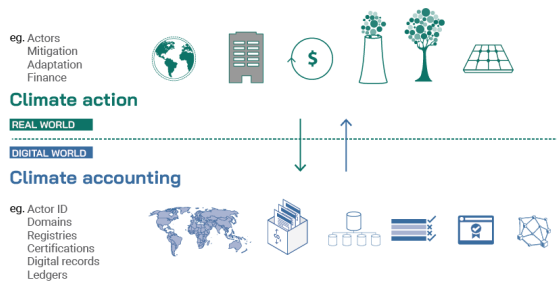
Blog Post [Help Us Scale Up Our Operating System for Climate Action](#)

Meetings

Whilst climate action occurs in the real world, climate accounting is recorded in the digital world.

There are also regular community calls that you can dial-in to. See the [Meetings](#) information to your left for more details.

This SIG will help build the relationship between both and consolidate technological tools to do so.



Meetings

The CA2SIG host bi-weekly general meetings as well as programming working group calls. Click on the meetings tab to the left to join us or listen to past recordings of meetings.

Activity of the Group

Links to Ongoing Work

Links to Completed Work



Leave the below sections for all space types.

Recent space activity



[Kamlesh Nagware](#)
[CA2SIG Meeting April 16 2024](#) updated about 6 hours ago [view change](#)



[MA Howard](#)
[2024 03 26 \(cancelled\)](#) created Mar 25, 2024

[Si Chen](#)
[Resources](#) updated Mar 21, 2024 [view change](#)



[MA Howard](#)
[2024 03 12 Standards WG](#) updated Mar 12, 2024 [view change](#)



[Christiaan Pauw](#)

Space contributors

- [Kamlesh Nagware](#) (5 hours ago)
- [MA Howard](#) (3 days ago)
- [Si Chen](#) (7 days ago)
- [Christiaan Pauw](#) (16 days ago)
- [Alfonso Govea](#) (16 days ago)
- ...

Introductory course syllabus: AIA Ontology updated Mar 12, 2024 [view change](#)

This can be a good reference on how to measure Climate Change Action. Source: Boston Consulting Group.

<https://www.bcg.com/featured-insights/how-to/stop-climate-change.aspx>