

Climate Action and Accounting SIG Home



HYPERLEDGER Climate Action & Accounting SPECIAL INTEREST GROUP

You are welcome

[Hyperledger](#), as part of the [Linux Foundation](#), is an open source/open community professional organization. This SIG is technology and blockchain ecosystem agnostic and open to anyone interested in the use of digital technologies to address the global climate challenge. Your active participation is encouraged and always welcome, and attendance is free to all.

Introduction and Scope

D e s c r i p t i o n	A Special Interest Group focused on bringing stakeholders together to look at climate related use cases, such as using Hyperledger frameworks 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.).
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Mission and Goals

To foster 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.

The community will take initiative to specifically address:

- Compilation of completed, ongoing, and proposed future activities related to blockchain for climate action & accounting
- Directory of organizations and initiatives involved with blockchain and the climate space (map of organization location, contact person, description, website, etc.)
- Consolidate the architecture of an integrated system, involving multiple blockchain mechanisms connected through shared protocols, allowing contractual automation in the link between finance and climate value flow based on the agreed physical parameter of the Earth system
- Identify Hyperledger tools and frameworks to develop and maintain a single record-keeping ledger with global consensus (i.e. a 'ledger of ledger' where all parties agree)
- Propose and define shared protocols and standards to allow interoperability across the climate accounting system and integrated platforms
- Compilation of best practices, lessons learned, and recommendations to stakeholders (policymakers, technology developers, etc.)
- Supporting events (e.g. at blockchain and climate conferences such as COP) and related activities for collaboration among members and stakeholders
- Propose, discuss and define a longer-term strategic vision of an open innovation consortium that can help steward, fund, and maintain an open source climate action and accounting project and system

How to Get Involved

New to Hyperledger? You'll need a Linux Foundation ID (LFID) to edit our wiki pages and chat on Hyperledger channels. [Here's how to get your LFID.](#)

This is an open group and anyone is welcomed to get involved.

Good steps to take to contribute are:

- **Add your name** and company in the [Member's Directory](#).
- **Subscribe and Join the Climate SIG Mailing List.** You may be prompted to create a log in account since it's not connected to your LF ID.
- **Join the Climate SIG Chat** and start a conversation.
- **Add information** about your project, code resources or relevant info in the [Resource page](#).
- **Edit this wiki** & propose additional resources.

Recent Climate SIG Content

Blog Post [#RadicalCollaboration | Hyperledger CA2 SIG leading a working group at Open Climate Collabathon](#)

Scope

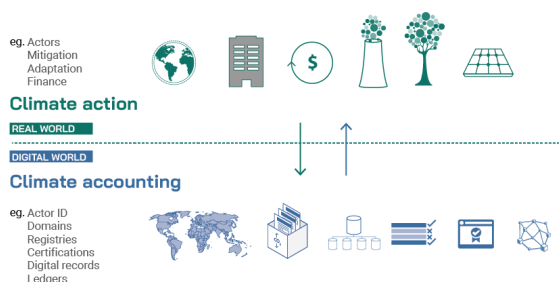
The scope of the SIG is defined by the terms *climate action* and *climate accounting*.

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.

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

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



Meetings

All Hyperledger meetings are run covered by the following [Antitrust Policy](#).

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

Chat Channel

Talk to people in the group on Hyperledger's chat server at:

[#climate-action-sig](#)

Meetings

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



Hyperledger Community Calendar and SIG meeting Invite	
Online meeting URL	https://zoom.us/my/hyperledger.community
<i>Dial in details</i>	
Phone numbers (USA)	
Toll-free numbers (USA)	
iPhone (one-tap)	
International numbers	https://zoom.us/u/bAaJoyznp

For meeting agendas, notes and recordings, select specific meeting pages in the navigation.

Proposed Calendar of Events

As newly launched, the Climate Action & Accounting (CA2) SIG is currently drafting its yearly plan of activities and meetings.

Event Name	Date	Purpose	Status	Lead
Climate SIG Launch Meeting	Monday, Feb 3, 2020	Initial meeting for the CA2 SIG to plan structure and year roadmap	Proposed -tbc	Co-Chairs
Climate Blockchain Webinar	March 2020	Provide a space to share relevant climate-blockchain projects and relevant Hyperledger technologies	Proposed -tbc	tbd
Open Climate Collabathon: Earth Day	April 25-26, 2020	Global Collaborative Hackathon on the application of DLT to Climate in the context of Earth Day	Confirmed	Yale Openlab
Towards Ontology-based Measurement, Reporting and Verification of Climate Actions	January 26, 2021	Presentation on the paper - https://srn.com/abstract=3717389	Confirmed	Tom Baumann
<i>Add proposed or confirmed events here</i>				



Leave the below sections for all space types.

Recent space activity



[Anshu Jain](#)

[Operating System for Climate Action](#) commented yesterday at 4:24 PM

[Peter Clarke](#)

[CA2 SIG - Meeting February 23](#) commented yesterday at 12:02 PM

[Virtual Community Renewable Energy Network](#) commented yesterday at 7:04 AM

[Virtual Community Renewable Energy Network](#) commented yesterday at 6:56 AM

[Tom Baumann](#)

[Standards - WG](#) commented Feb 23, 2021

Space contributors

- [Martin Wainstein](#) (1 day ago)
- [Robin Klemens](#) (1 day ago)
- [Peter Clarke](#) (3 days ago)
- [Si Chen](#) (6 days ago)
- [Umesh Ghodke](#) (6 days ago)
- ...

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>