

Resources

CA2SIG Introduction to the Measurement Economy

- [One Pager - Introduction to the Measurement Economy](#)

CA2SIG Member Publications

- [Sustainable Oil and Gas using Blockchain](#) - Book published by Springer, May 2023
- [Nachhaltiges Öl und Gas mit Blockchain](#) - Book published by Springer, March 2024
- [Blockchain Mechanism for Tracking GHG Emissions through Supply Chain](#) - April 13, 2022
- [Voluntary Carbon Offsets: An Empirical Market Study](#)

CA2SIG Articles

- [Blockchain and the Energy Transition: Creating the Platform for a Sustainable Oil and Gas Industry](#) - May 15, 2023
- [DAOs: What They Are and How They Relate to Climate Change](#) - June 16, 2022
- [Tackling Energy Security and Climate Change with Open Source and Blockchain](#) - April 19, 2022
- [Climate Change Action: Five Ways to Get Involved in Our Global Climate Accounting Efforts](#) – May 11, 2021
- [Help Us Scale Up Our Operating System for Climate Action](#) – April 19, 2021
- [Developer Showcase Series: Si Chen, Open Source Strategies, Inc.](#) – February 18, 2021
- [#RadicalCollaboration | Hyperledger CA2 SIG leading a working group at Open Climate Collabathon](#) – November 19, 2020
- [Tackling Climate Change with Blockchain: An Urgent Need, Ready Opportunity and Call to Action](#) – September 24, 2020
- [Hyperledger welcomes the Climate Action & Accounting Special Interest Group](#) – January 22, 2020

CA2SIG Recorded Presentations

- [Supply Chain Emissions using the Blockchain](#) - Showcasing the Audited Emissions and Carbon Tracker contracts - Si Chen (video)
- [Using supply chain tokens to verify and incentivize emissions reductions by the oil & gas industry](#) - IBM Call for Code Challenge, Bertrand Rioux (video)
- [Open Source Carbon Accounting](#) - Blockchain Supply Chain Association, Si Chen (video)
- [Bringing Global Climate Accounting into Reality](#) - Blockchance Europe 2021, Robin Klemens (slides)

CA2SIG Guest Presentations

- [Using Digital Credentials for a Carbon Accounting Pilot - Energy & Mines Digital Trust](#) - October 4, 2022
- [NY Meet-up Presentation: Intro to Climate Accounting and the Use Case for Oil/Gas Supply Chain Decarbonization](#) - June 28, 2022
- [Real Product Carbon Footprint to Achieve Decarbonization](#) – July 13, 2021
- [IoT and blockchain to facilitate the scaling of green technologies in rural communities](#) – June 15, 2021
- [Panel: How Blockchain is Helping to Achieve Sustainable Development Goals](#) - June 08, 2021, Hyperledger Global Forum
- [GHG reporting across supply chains and moving cloud energy use to renewable sources](#) – May 18, 2021
- [OS-Climate and Sustainable Finance & Investing](#) – February 9, 2021
- [Towards Ontology and Blockchain Based Measurement, Reporting and Verification for Climate Action](#) – January 26, 2021
- [Using Open Source to Transform Our Power Grid](#) – November 17, 2020
- [Climate Action and Accounting with Hyperledger](#) - November 5, 2020
- [Fighting Climate Change with Blockchain and Open Source](#) - October 30, 2020
- [Climate Ledger Initiative's Climate Governance Project](#) – October 20, 2020
- [Full Disclosure & Accounting of Emissions](#) – September 8, 2020

CA2SIG Blog Posts

- [Tutorial: Building an Ethereum dApp using React.js, web3Modal, ethers, HardHat](#)
- [Video Demo of Emissions Tokens Network](#)
- [Videos of Blockchain and Climate Change](#)
- [Hyperledger for the Blockchain Skeptic](#)
- [Energy & Mines Digital Trust: The Open-Source Journey Towards a Clean, Resilient Economy](#)

Presentations from the Open Climate Collabathon

*This is a great resource of dialogues covering many aspects of the Climate Accounting Challenge. Organized by CA2SIG member [Open Earth Foundation](#).

- [The Paris Agreement: Global Collaboration to Contribute in the Independent Global Stock Take](#)
- [Emissions Accounting: Supply Chain Tracking, Consumer Disclosure and Differentiated Commodities](#)
- [Technology and Standards: Platform integrations and a common digital language for a climate internet](#)
- [Radical Collaboration: Scaling Decentralized Open Source Work](#)
- [Mitigation Accounting: Land-Based Ecosystem Service Credits](#)
- [Climate Finance: Digital automations to scale climate bonds and community-based project](#)

Industry Reports - Distributed Ledger Technology and Climate

- [Report from Maritime on Carbon Charges. September 8, 2021\(AP\)](#)

- [Climate Ledger Initiative - Navigating Blockchain and Climate Action Reports](#)
- [World Bank Blockchain and Emerging Digital Technologies for Enhancing Post-2020 Climate Markets](#)
- [ITU Focus Group on Distributed Ledger Technology](#)
- [The Blockchain and Climate Intersection — a primer](#) by [Martin Wainstein](#)

Education Resources

- Linux Foundation - [Certificate in Developing Blockchain-based identify Applications](#)
- Linux Foundation - [Hyperledger Fabric Administration \(LFS272\) + CHFA Exam Bundle](#)
- Linux Foundation - [Hyperledger Fabric for Developers \(LFD272\) + CHFD Exam Bundle](#)
- Hyperledger Labs - [Enterprise Blockchain Technologies - University Course](#)
- [About Hyperledger Foundation: Overview and Resources](#)

Friends of the Cause

- [Climate Chain Coalition Membership Map](#)
- [Yale Open Climate Project](#)
- [Open Climate Collabathon](#)
- [Open Source Climate](#)
- [Aartum](#)

Hyperledger Frameworks tools & projects with significant linkages to climate action & accounting

This list is to identify ongoing projects of the Hyperledger

- Application of [Hyperledger Aries](#) for [permits in oil wells in British Columbia, CA](#), and possible extensions of verifiable credentials for agent design in both IoT reporting devices
- Application of Hyperledger Fabric for transactional carbon offsetting/climate finance for supply-chains, e-commerce, etc. features API, DApp and ERC-20 linked token/smart contract at www.climatefutures.io - interested in collaboration on use cases - contact info@climatefutures.io