Hack**4**Climate

Fact Sheet (08/2017)

Hack4Climate is a 4-day Climate/Blockchain hackathon event. Its objective is to mobilise the 'blockchain'/DLT (Digital Ledger Technology) community for #ClimateAction, assuring that the Paris Climate Agreement is successfully implemented. Hack4Climate is held with the support of the UN Framework Convention on Climate Change (UNFCCC) Secretariat in Bonn, Germany - during the COP23 climate conference in November 2017. It is financed by public and private sponsors, and organised as part of the Climate Ledger Initiative (CLI), an international, multi-stakeholder initiative at the intersection of climate and DLT.

Why a climate/blockchain hackathon?

Climate is the world's most significant challenge. DLT represents one of the world's most high-potential technologies. Specifically, a dedicated innovation focus is needed because:
1. The innovation potential at the climate/blockchain intersection is substantial;
2. There has been few connections between the climate and blockchain communities thus far;
3. #ClimateAction is very urgent - a dedicated initiative can accelerate the convening of stakeholders and facilitate the development of practicable solutions in the light of regulatory frameworks and international conventions.

Where & when?

Hack4Climate will take place in Bonn, 12.-16. November 2017. It is held in parallel to the UN COP23 climate change conference (bringing together some 30'000 high-level government, NGO, university and business representatives). Media and side events will tie the two together. Hack4Climate will be the first COP-linked hackathon.

Who can participate?

Hack4Climate runs an application process for interested individuals, who may group to teams prior or during the event. Target participants have relevant DLT skills and genuinely want to make a climate contribution. Hack4Climate accepts applications from anywhere in the world. A total of 100 participants will be invited to Bonn, and others will have the opportunity to engage online.

Is there preparatory activity & information?

Yes. Hack4Climate includes a half-day preparatory workshop in the second week of September 2017. It is held physically in a number of regional centres around the globe, and is distributed online. The workshops shall convene interested potential participants and provide them with a climate download as well as an opportunity to interact with other applicants, exchange ideas and ask questions. In time with the workshops, background information and links to quality data sources will be made available.

Are there challenges & awards?

The main challenge to address is how to contribute to #ClimateAction compatible with the Paris Climate Agreement. Specifically, Hack4Climate will feature 5 challenge focus areas and 1 where 'anything goes', as detailed in the table below. Each area will have dedicated sponsors, who contribute data and knowhow. For each focus area, also one use case is presented. Teams then choose one focus area for their project. This may be for the presented use case, or for a completely new idea.

Challenge Focus Areas	Topical Specifications	Presented Use Case
1 Identification & Tracking of Emissions	* At source, IoT * In the supply chain, IoT * As pert of NDCs/national inventories, regional targets * Vision: Unique identification of all global emissions	Carbon Cockpit
2 Carbon Pricing	* Incl. tax- & market-based pricing methodologies * Incl. internal/shadow pricing (public & private) * Incl. Global p2p exchange, ITMOS/voluntary efforts	Market-Chain
3 Distributed Energy	* Market models, pricing * Load management * Capacity/quality models * Developed & developing countries	Selber
4 Sustainable Land Use	* Accounting for land use, incl. REDD+ * Financing of land use, incl. REDD+ * Incl. forest & agriculture * Incl. sustainable building	REDD-Chain
5 Sustainable Transport	* Private & public * Mobility & logistics * All means of transportation	LET-Chain
6 Anything Goes	* Open to participants	NA

What is the program like in Bonn?

We are convinced that participants will have a highly engaged and unique experience during their 4 days in Bonn (see Table below). The hack itself is structured in a 6h hack-up and a full 24h session. Before, after and between the two hacks, participants enjoy speeches by climate and blockchain experts, experience unique parts of Bonn, and an exciting excursion. There are a few nice receptions & dinners, and above all, there is lots of quality time to learn, make a difference and forge new links.

Who are the Organisers?

Hack4Climate is organised as part of the Climate Ledger Initiative (CLI), which has the objective to foster innovation at the blockchain climate intersection. CLI offers a research fund and an innovation fund. Hack4Climate is a CLI 'Call-out' activity, which shall actively convene climate and blockchain community members who see the potential and want to contribute. CLI has partnered with UNFCCC to hold Hack4Climate in parallel to the COP23 climate conference in Bonn, and it mandated the Zurich-based not-for-profit foundation Cleantech21 for project management. For the event, Cleantech21 cooperates with Rockstar, Validity Labs, and the Impact Hub Network. Collectively the team has organised well over 100 high profile events, among which some 40 hackathons.

Program	Intro Workshop	Main Event, Bonn					=Sponsor Opportunities
Date	11-17.09.2017	12.11.17	13.11.17	14.11.17	15.11.17	16.11.17	
Time	One Afternoon & Evening	Day 0, Sunday	Day 1, Monday	Day 2, Tuesday	Day 3, Wednesday	Day 4, Thursday	
00:00							
01:00							
02:00				Hack-up-End			
03:00							
04:00							
05:00							
06:00							
07:00							
08:00			Bfast				
09:00			Updates, Challenge Areas	Bfast		Farewell Bfast	
10:00				Hack Keynotes		Outro Goodies	
11:00			Update, Use Cases	Q&A, Discussion	Hack-End		
12:00		Arrival		Hack-Start	Submission + Shower		
13:00		Registration	Lunch	(24h, separate program)	Relax	Departure	
14:00		Intro Goodies	Social/Outside, Relax		Almost Done Lunch		
15:00	Registration, Coffee/Cake				Pitches Jury		
16:00	Climate Intro/Urgency, Discussion		Apéro Event Bonn, Relax		(4h) Jury		
17:00	DLT Update, Discussion	Welcome Reception			Jury		
18:00	Intro Challenge Areas, Ideation	Climate Update	Gear-up Dinner		Jury	COP official Side Event	
19:00	Intro Use Case, Ideation	Welcome Dinner	(with team formation)			(target date/time, TBC)	
20:00	Buffet Dinner, Discussion/Next	Welcome Keynote	Hack-up Start				
21:00			(6h)		Celebration Dinner		
22:00		Relax					
23:00					H4C 2017 Party		

For further Information:

- See 'Background Information for Participants' (H4C_FAQ-Participants_072017.pdf)
- See 'Background Information for Sponsors' (H4C_FAQ-Sponsors_072017.pdf)
- Register for updates, check back in early September: http://www.hack4climate.org