

#Hack4Climate

Fact Sheet (09/2017)

Hack4Climate is a 4-day Climate/Blockchain hackathon event. Its objective is to mobilise the 'blockchain'/DLT (Distributed 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. Hack4Climate brings the two together. 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 over 20'000 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 half-day preparatory workshops in the course of September 2017. These are held physically in 17 regional centres around the globe, and are partially distributed online thereafter. The workshops 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. Hack4Climate so engages well over 1000 individuals already in the run-up to the event.

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	Use Case Link
1 Identification & Tracking of Emissions	<ul style="list-style-type: none"> At source, IoT In the supply chain, IoT As part of NDCs/national inventories, regional targets Vision: Unique identification of all global emissions 	Carbon Cockpit
2 Carbon Pricing	<ul style="list-style-type: none"> Incl. tax- & market-based pricing methodologies Incl. internal/shadow pricing (public & private) Incl. Global p2p exchange, ITMOS/voluntary efforts 	Market-Chain
3 Distributed Energy	<ul style="list-style-type: none"> Market models, pricing Load management Capacity/quality models Developed & developing countries 	Selber
4 Sustainable Land Use	<ul style="list-style-type: none"> Accounting for land use, incl. REDD+ Financing of land use, incl. REDD+ Incl. forest & agriculture Incl. sustainable building 	REDD-Chain
5 Sustainable Transport	<ul style="list-style-type: none"> Private & public Mobility & logistics All means of transportation 	LET-Chain
6 Anything Goes	<ul style="list-style-type: none"> Open to participants 	NA

What is the program like in Bonn?

We are convinced that participants and sponsors 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 nice receptions & dinners, and above all, lots of quality time to learn, make a difference, forge new links. Important to note are the official COP23 program elements, before and after the core hack event.

Who are the Organisers?

The Climate Ledger Initiative ([CLI](#)) has the objective to foster innovation at the blockchain/climate intersection. CLI is a multi-stakeholder initiative promoting research and innovation. Hack4Climate is a CLI 'Call-out' activity. 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 [Hackerbay](#), [Rockstar](#), [Validity Labs](#), and the [Impact Hub Network](#).

Program	Main Event, Bonn					= Sponsor Opportunities
Date/T.	Sun, 12.11.2017 (Day 0)	Mon, 13.11.2017 (Day 1)	Tue, 14.11.2017 (Day 2)	Wed, 15.11.2017 (Day 3)	Thr, 16.11.2017 (Day 4)	
00:00						
01:00						
02:00	06.11.2017, 16:45-18:15		Hack-up-End			
03:00	Official Side Event					
04:00	COP23, opening day					
05:00						
06:00						
07:00	11.11.2017, 10:15-10:45					
08:00	Official Press Conference	Bfast				
09:00	COP23, day before hack	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				Pitches Jury		
16:00		Apéro Event Bonn, Relax		(4h) Jury		
17:00	Welcome Reception			Jury	18:30-19:30, then Apéro	
18:00	Climate Update	Gear-up Dinner		Jury	Official Award Ceremony	
19:00	Welcome Dinner	(with team formation)			COP23 Climate C. Studio	
20:00	Welcome Keynote	Hack-up Start				
21:00		(6h)		Celebration Dinner		
22:00	Relax					
23:00				H4C 2017 Party		

For further Information:

- Check-out <http://www.hack4climate.org>, register for updates with our [general inquiry](#) form
- Especially for Participants: This is our Background Information [FAQ](#), this our [Application](#) form
- For Sponsors: This [Summary](#) & Background [FAQ](#) is for you, this the [Interest-Application](#) form