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**Use cases for**

**Carbon Cockpit at**

**Hack4Climate**

**Version 1.0**

**November 2017**

**Revision History**

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| --- | --- | --- |
| **Revision No.** | **Date** | **Change Description** |
| 1 | 06 Nov 2017 | Initial |
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**Background**

**CarbonCockpit – Blockchain technology for corporate carbon management**

The CarbonCockpit project will identify ways to use the blockchain technology to make corporate carbon management (carbon tracking, reporting, target setting and identification of mitigation options) easier, cheaper and more effective. This project is one of the example use cases at Hack4Climate (under the identification and tracking of emissions challenges).

Hack4Climate [[www.hack4climate.org](http://www.hack4climate.org)] is a competition where developers will propose applications of distributed ledger technologies (DLT), including blockchain, to support global climate action. During the event specific challenges will be given to the participants. The background material of these challenges may include the access to a database or the files.

**Challenges suggestions for Hack4Climate**

Ideas identified where DLT/blockchain could potentially be applied:

* **Creating Incentives for Consumer Behavior Change:**

Part 1: There is a lack of transparent and reliable information about the carbon footprint of products. DLT/blockchain could be used to track the emission throughout the lifecycle of products.

Part 2: Monitoring of the consumer behavior change after the carbon foot print calculation for products.

* **Identification and Rating of Climate Action Projects:**

The is a need to facilitate the matchmaking of climate action projects and funding organizations (e.g. the Green Climate Fund (GCF), development and multilateral banks).

* **Blockchain Enabled Platform for Citizen Climate Observations:**

Application that create incentives for citizens to report on climate observations. Particular focus on indigenous peoples and farmer.

Enabling sensor and people to make simple data entries on observations, which will be logged into the DLT/Blockchain.