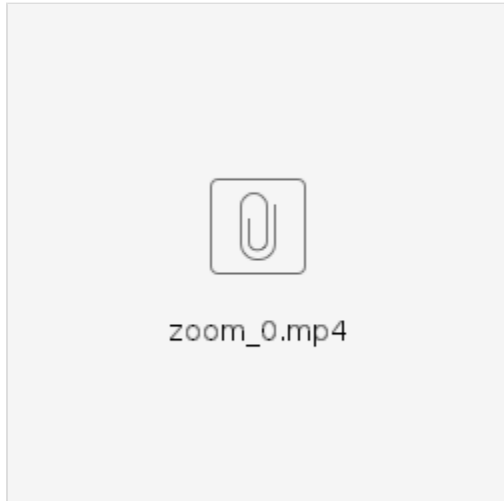


2021-04-12 Peer Programming Call

Today we showed the production deployment of the [Emissions Data Channel](#) and the [Emissions Tokens Network](#). Thank you [Kamlesh Nagware](#) for explaining how to use the Hyperledger Fabric Explorer.

As part of it we went through different architectural choices of Fabric and Ethereum and issues of deploying on a public network like xDai.

Thank you everybody for your helpful input.



We also loaded the European emissions factors, which were missing during the call:

A screenshot of the Hyperledger Fabric Explorer web application. The browser address bar shows the URL '127.0.0.1:59854/utlis/database/utilityemissionchannel/utilityemissions/COUNTRY_FR_2019'. The page title is 'utilityemissionchannel.utilityemissions > COUNTRY_FR_2019'. Below the title bar, there are buttons for 'Save Changes', 'Cancel', 'Upload Attachment', 'Clone Document', and 'Delete'. The main content area displays a JSON document representing a transaction. The JSON includes fields for 'id', 'rev', 'class', 'co2EquivalentEmissions', 'co2EquivalentEmissionsUnit', 'country', 'currentState', 'divisionId', 'divisionName', 'divisionType', 'key', 'netGeneration', 'netGenerationUnit', 'nonRenewables', 'percentOfRenewables', 'renewables', 'source', 'uid', 'year', and 'version'. The 'source' field contains a long URL pointing to EEA data. The 'uid' is 'COUNTRY_FR_2019', 'year' is '2019', and 'version' is '1.0.0.0.0'.

```
1 {
2   "id": "COUNTRY_FR_2019",
3   "rev": "1-849f58b0d0c5a20000135c0c522b",
4   "class": "org.hyperledger.blockchain-carbon-accounting.utilityemissionsfactoritem",
5   "co2EquivalentEmissions": 100,
6   "co2EquivalentEmissionsUnit": "g/kWh",
7   "country": "France",
8   "currentState": null,
9   "divisionId": "France",
10  "divisionName": "France",
11  "divisionType": "Country",
12  "key": "\\COUNTRY_FR_2019\\\\"COUNTRY\\"\\France\\",
13  "netGeneration": "",
14  "netGenerationUnit": "",
15  "nonRenewables": "",
16  "percentOfRenewables": "22.36",
17  "renewables": "",
18  "source": "https://www.eea.europa.eu/data-and-naps/data/approximated-estimates-for-the-share-3/eea-2017-res-share-proxies/2016-res-proxies-eea_csv/at_download/file;https://www.eea.europa.eu/data-and-naps/data/approximated-estimates-for-the-share-3/eea-2017-res-share-proxies/2016-res-proxies-eea_csv/at_download/file",
19  "uid": "COUNTRY_FR_2019",
20  "year": "2019",
21  "version": "1.0.0.0.0"
22 }
```