help to dream and ease our tech life

focus:

Sense Data Exchange Format

Open Data Hosting

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sensor data exchange format

don't be afraid to dream one

we all do this our way: (s)http post, json, xml

- Request For Comment (RFC) style standard proposal?
- **lessons learned**: timestamps, version, sensor type, data unit, meta data (defaults, etc.), flexible, use of state?, human readable, sample implementations, naming, independent, version, scalable, more?
- who will start this up, drive this?
JSON example (uses state, defaults)

```json
{
  'meta': [{
    'id': '123456ABCDE',
    'label': 'BdP-1234',
    'GPS': [52.123456, 6.123456], // home static
    'match': { 'bme([26]80)': 'BME\1', 'temp.*': 'temperature'},
    'sensors': [{
      'BME280': {'temp': 'C', 'RH': '%'},
    }]
  }],
  'data': [{
    'date': 123456789,
    'BME280': {'temperature': 21.3, 'pressure': 1023},
    'SPS30': { 'date': 123456790, 'PM2.5 #': 23.4 },
    'GPS': [52.123454, 6.123454] // dynamic
  }]
}
```
Open Data Hosting service

dream comes from Dutch Unix Users Group (Koen) we have been talking to SURFnet, Freedom.nl, network hardware sales, use of empty sender spaces eg Smilde

- several racks with ca 8 servers with # penta disk space and high bandwidth, everything Open Source
- estimated investment hardware costs € 400K (maybe less)?
- for sensors data investment ca € 100K, € 25 per year?
- question: can air quality initiatives raise € 100K together?
- question: what about privacy?
- who will steer this? Who want to join?
who likes these dreams?
who wants to participate?
who wants to steer?

questions / comments

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