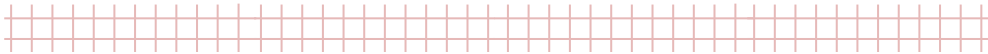


open grid

Opengrid background




- Climate change: we are responsible
- Energy consumption in buildings!
- Simulations and simulations and... new simulations
- Back to real world: physical computing
- Power of open source: arduino, raspberry pi, linux, python
- How long can we keep on waiting for the smart grid?
- New developments: mostly expensive, closed-source solutions

Examples



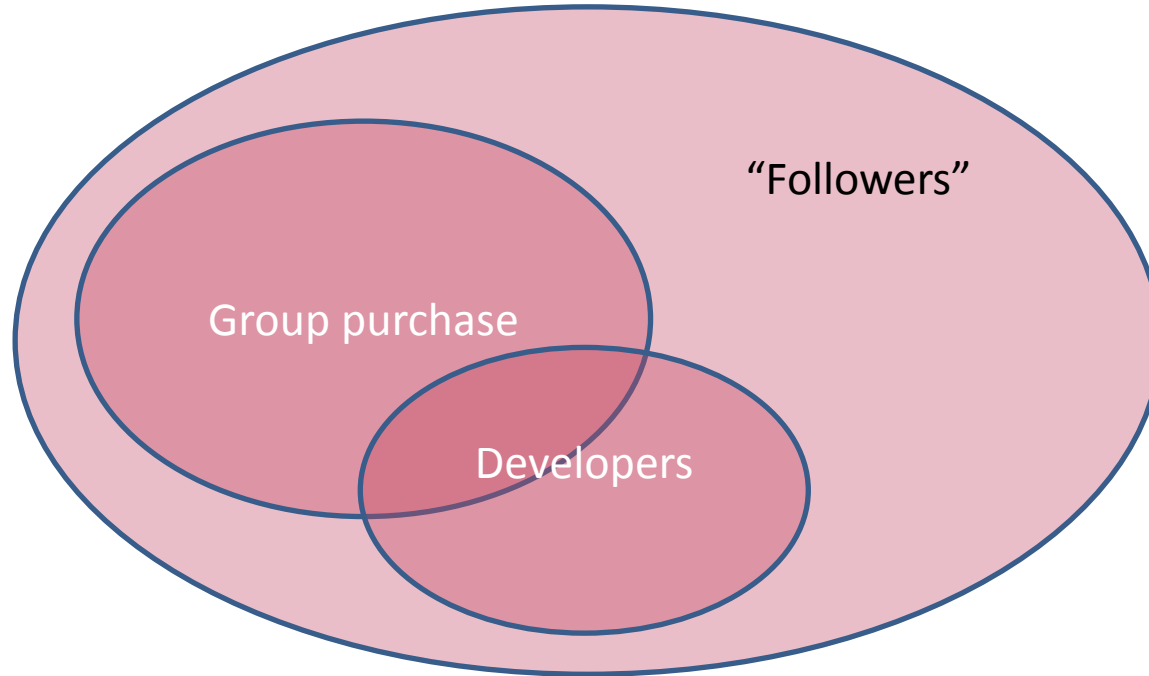
The opengrid idea

- 
- Start a energy monitoring and saving community
 - In our own houses
 - Based on open source soft & hardware
 - Educate ourselves and our children
 - Technology as support to real-world results
 - From monitoring to smart control
 - Save energy, costs, ..., the planet
 - Think global, ACT (local)
 - Have fun
 - ...

Projects with similar ideas and ambition

- www.mysmartgrid.de
- <http://openenergymonitor.org/emon/>
- www.jeelabs.org
- <http://energieid.be/>

The opengrid project organisation



- Manage your 'subscriptions' through the online table

Status

- Group purchase @ Flukso: 33 participants
- Installing all equipment and troubleshooting!
- 3 developers meetings with 6-15 persons
- Collection of expectations and use cases of participants
- Code repository <https://github.com/opengridcc/opengrid>
- Houseprint: collection of meta-information for benchmarking
- Storage of minute data of all participants by pulling Flukso API
- Next steps: decision on technology stack and getting started with benchmarking