Energy ADE
WG Energy and Systems
Activities, Request of changes for the Energy ADE v0.6
Working Group Organization

- 5 active participants (Romain Nouvel, Jérôme Kämpf, Silvia Coccolo, Moritz Lauster and Peter Remmen) from 3 organisations. New active participants are very welcome.

- 3rd Eurographics Workshop on Urban Data Modelling and Visualisation, November 23rd, 2015, Delft, the Netherlands
  - Advertising about our Energy ADE to get more participants to our workgroup.
Activities over the last 6 months

- 2 online-conferences (Skype calls) between the members

- Class/Parameter documentation of ADE v0.5
  - To be finished in the next months (not iCloud!), continue in Working Groups 1st Dec @13h30

- Activity on GitHub
  - 2 opened issues
  - 2 Requests of change for ADE v0.6
General feedbacks on ADE v0.5

- Simplifications were necessary to be used by a large user group
  - provide the inputs required for the simulation but not modelling in details the entire energy flow

- More complexity can be added afterwards (if necessary)

- Some attributes within time series are too space consuming (hourly results) → addressed in the „share of experiences“ with CitySim
Issue #49
EnergySupply, Energy carrier, Energy source

In ADE v0.5

- EnergySupply, which would have been hardly filled up in the information system, is skipped.

- EnergyCoverage, which is redundant, is skipped.
Issue#49
EnergySupply, Energy carrier, Energy source

- The Energy transformation process is simplified with a "star structure" around the object EnergyDemand.
let appear EnergySource
Nouvel, Romain, 11/26/2015
Issue #31
Lighting in Building

- Up to now, the building model does not integrate specific attributes for lighting:
  - Illuminance Threshold (lux) could be included in UsageZone for instance
  - LightingFacilities/Systems could be specified such as DHWFacilities
- How to link results with LightingFacilities and DHWFacility?

ADE v0.5
Issue #
Practical examples

- Provide a basic CityGML file for the LE building @ EPFL
- Prepare sample XML files with version 0.6, providing different:
  - EnergyConversionSystems
  - EnergyDistributionSystems
  - EnergyStorageSystems
  - SystemOperation