

Review WP2.1 Breakout sessions






4th Expert Meeting IBPSA Project 1, Rome

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Paper WP2.1

Name ↑	Owner	Last modified	File size
 Data acquisition	Gerald Gs	Jul 9, 2019 Gerald Gs	—
 Data Enrichment	Gerald Gs	Jul 9, 2019 Gerald Gs	—
 Data models	Gerald Gs	Jul 9, 2019 Gerald Gs	—
 Modelling and optimization tools	Gerald Gs	Jul 9, 2019 Gerald Gs	—
 Use Cases	Gerald Gs	Jul 9, 2019 Gerald Gs	—

Different Tasks along with their respective leaders

Overview of the Breakout session

Data Acquisition: Energy Specific Data

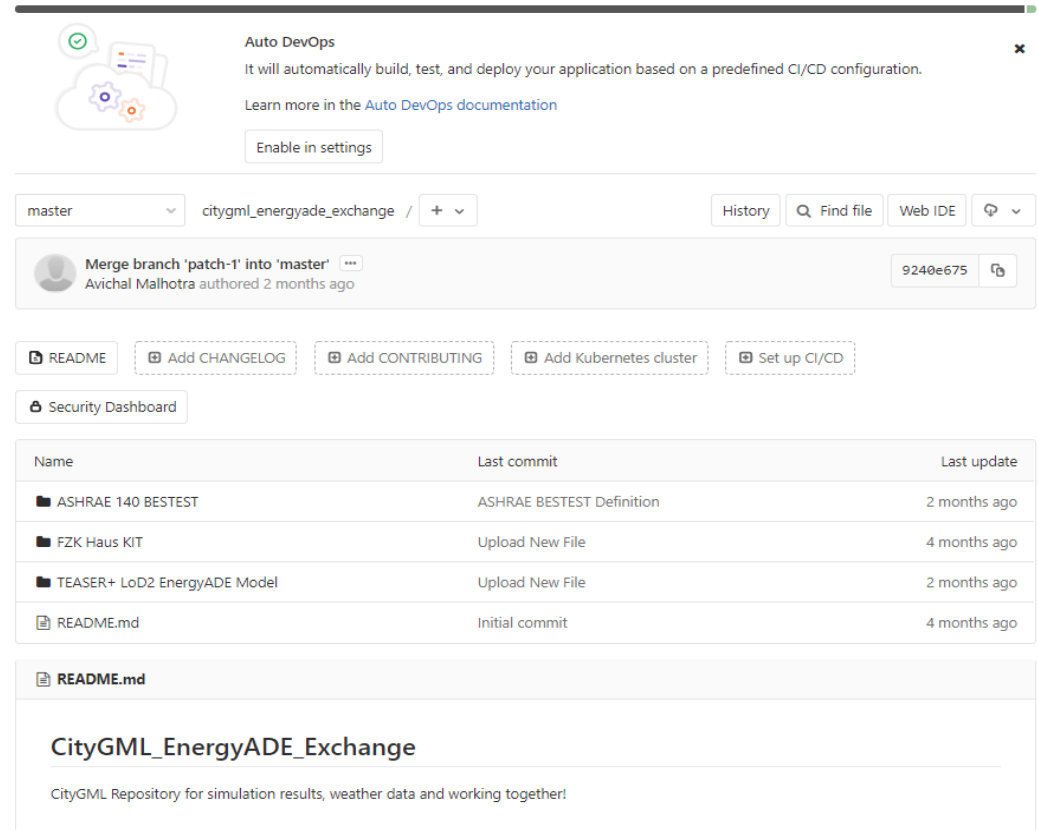
- Detailed energy specific data required for simulations
- IWU to provide a database with the important data
- One parameter such as *building function* can give a detailed overview of the *building typology*
- Smaller sub-group will decide upon the interface, format, guidelines and documentation to make it implementable with simulation tools
- IWU already has the database for *residential buildings*, which can be starting point

Overview of the Breakout session

Data Exchange

- GIT Platform to be further maintained
- WP2.1 and WP3 to share the platform, starting from building to districts
- Data models and simulation results to be pushed to the platform to compare and share data

CityGML Repository for simulation results, weather data and working together!



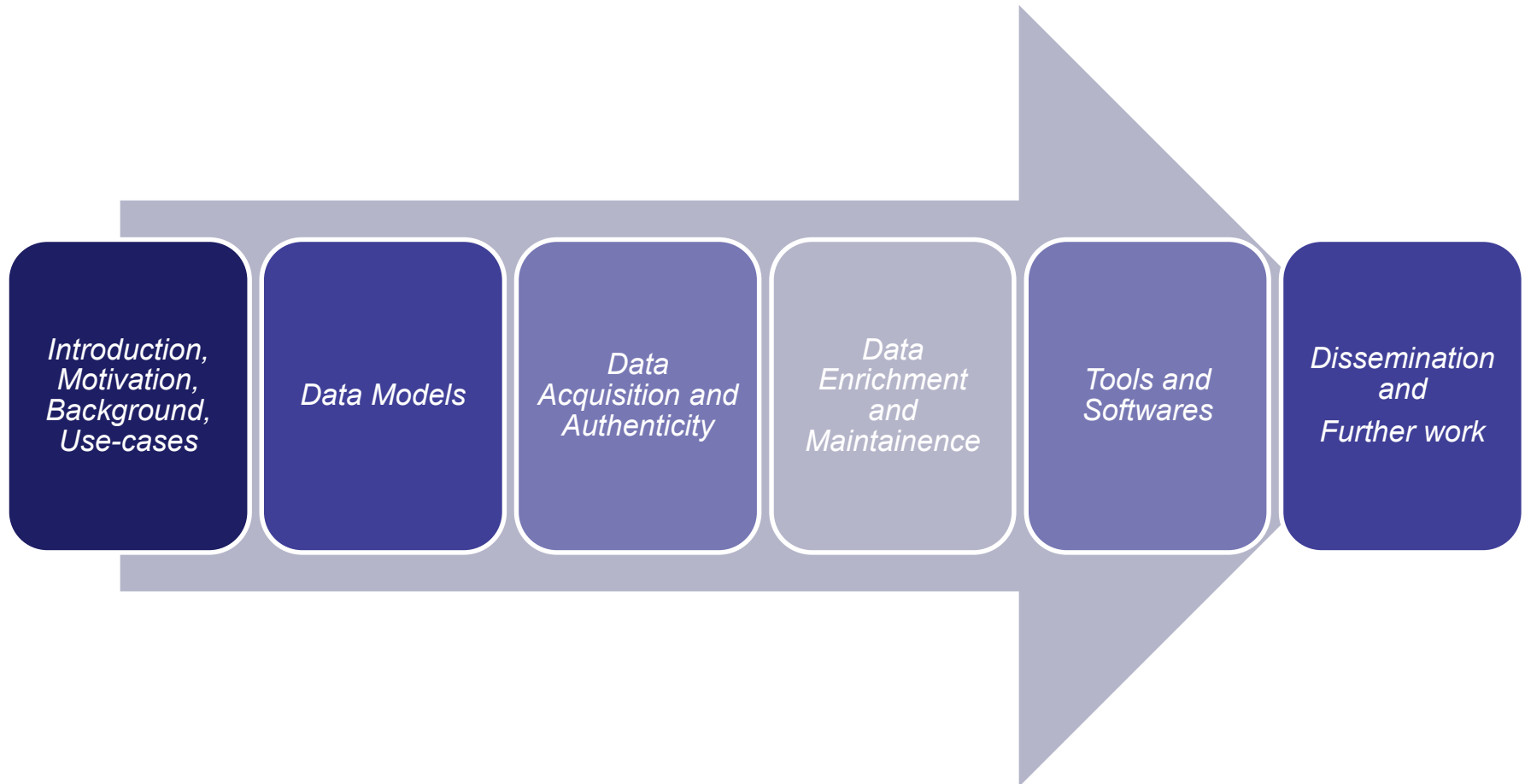
The screenshot shows the GitHub repository page for 'citygml_energyade_exchange'. At the top, there is a banner for 'Auto DevOps' with a description and a link to the documentation. Below this, the repository name and branch are shown. A commit message 'Merge branch 'patch-1' into 'master'' by Avichal Malhotra is displayed. There are buttons for 'README', 'Add CHANGELOG', 'Add CONTRIBUTING', 'Add Kubernetes cluster', and 'Set up CI/CD'. A 'Security Dashboard' button is also present. A table lists the repository contents:

Name	Last commit	Last update
ASHRAE 140 BESTEST	ASHRAE BESTEST Definition	2 months ago
FZK Haus KIT	Upload New File	4 months ago
TEASER+ LoD2 EnergyADE Model	Upload New File	2 months ago
README.md	Initial commit	4 months ago

Below the table, the 'README.md' file is shown, containing the repository name and the same introductory text as at the top of the page.

Overview of the Breakout session

Restructuring of the Paper



Deadlines

- Check country specific data available and quality, 31st October and a TelCo. end of September

Data acquisition for geo data/ Energy Specific Data:

Austria : Gerald

Ireland : James (UCD) and Usman

Germany: Julian (IWU), Joachim (KIT), Christoph N.G. (UDK Berlin)

Swiss: James (EMPA), Manuel

UK : K.H. Haefele (KIT), James (EMPA)

US: Allan3 (BuildZero)

NL : Giorgio (Delft) (KH to ask)

BE : Ina?? (Julian to ask)

FR: Léon (CSTB)? (Avichal to write an email to him)

- What country supports what? Building Function, year of construction, etc
- How about the authenticity of the data?
- Have atleast the building geometry, Building Function, etc and use the data to enrich using the IWU database
- Identify data gaps and please comment on the quality of the data

Roadmap to the next meeting

- Substantial draft of the paper to be completed till the next meeting
- Individual task leaders to collaborate within smaller groups
- Drafting the structure and interface of the *IWU database*
- Further compare the computations and simulation results

» *Meet everyone in the next meeting!*