

Datei Bearbeiten Ansicht Hilfe

Chronik Einspielen

Zweig: Alle Zweige



Betreff	Autor	Datum
WIP on feature_refactoring_transpath: 4738e91 Merge branch 'feature_refactoring_lcoe' into feature_refactoring_transpath	Guido	Mi 20 Mai 2015 08:25:25 CEST
WIP on feature_refactoring_transpath: 4738e91 Merge branch 'feature_refactoring_lcoe' into feature_refactoring_transpath	Guido	Mi 20 Mai 2015 08:21:43 CEST
Nicht bereitgestellte Änderungen		Mi 09 Sep 2015 14:12:36 CEST
Merge branch 'dev' into feature_refactoring_transpath	Guido	Mo 24 Aug 2015 17:27:00 CEST
Merge branch 'dev' of vernetzen.uni-flensburg.de:~/oemof into dev	Guido	Mo 24 Aug 2015 17:26:18 CEST
change absolute imports to relative imports	uwe	Mo 24 Aug 2015 17:21:25 CEST
add method to create an empty power plant DataFrame	uwe	Mo 24 Aug 2015 17:21:03 CEST
colu		20:28 CEST
stori		18:54 CEST
add		17:45 CEST
add		30:35 CEST
add		19:16 CEST
add		18:40 CEST
conv		18:04 CEST
add		21:27 CEST
Merge br:		19:53 CEST
add fetch_demand_series to region class	uwe	Do 20 Aug 2015 14:26:52 CEST
clean up	uwe	Do 20 Aug 2015 14:26:25 CEST
correct logging messages in helpers funktion	uwe	Do 20 Aug 2015 14:24:16 CEST
replace boolean variable with dictionary of boolean variables in function call	uwe	Do 20 Aug 2015 10:06:47 CEST
Move 'stand alone' functions to a helper module	uwe_	Di 18 Aug 2015 09:41:35 CEST
remove print	uwe_	Fr 14 Aug 2015 21:20:36 CEST
add get_polygon_from_nuts(conn, nuts) to db.py	uwe_	Fr 14 Aug 2015 12:06:03 CEST
move method to get a polygon to db.py	uwe_	Fr 14 Aug 2015 11:15:03 CEST
add **kwargs to make attribute changeable from outside	uwe_	Fr 14 Aug 2015 11:10:00 CEST
add docstring	uwe_	Fr 14 Aug 2015 11:08:51 CEST
connect heat_buildings to external temperature series	uwe_	Do 13 Aug 2015 17:01:59 CEST
remove example programm from energy_buildings	uwe_	Do 13 Aug 2015 17:00:55 CEST
connect the timezone to the weather geometry	uwe_	Do 13 Aug 2015 17:00:09 CEST
add method to calculated an average time series for the geometry	uwe_	Do 13 Aug 2015 16:59:26 CEST
add timezone to region class	uwe_	Do 13 Aug 2015 16:57:27 CEST
create basic dataframe only when needed	uwe_	Do 13 Aug 2015 12:55:15 CEST
fix wrong naming	uwe_	Do 13 Aug 2015 10:20:36 CEST
set internal attributes to None if new data set is read	uwe_	Do 13 Aug 2015 09:24:38 CEST
add name of the region to the region plot	uwe_	Do 13 Aug 2015 09:12:32 CEST
select only re power plants that are inside the region	uwe	Do 13 Aug 2015 09:12:17 CEST

OpenEnergy Platform

Requirements to an open source platform for cross-institutional work on energy system models

Background & context

Open Source energy models

- Transparency
- Reproducibility
- Can be re-used by third parties

Collaborative modelling

- Clearly defined interfaces & compatible models
- Reduces duplicate work
- Enhances robustness
- Central hub for model code hosting

First approach:

oemof: open energy modelling framework

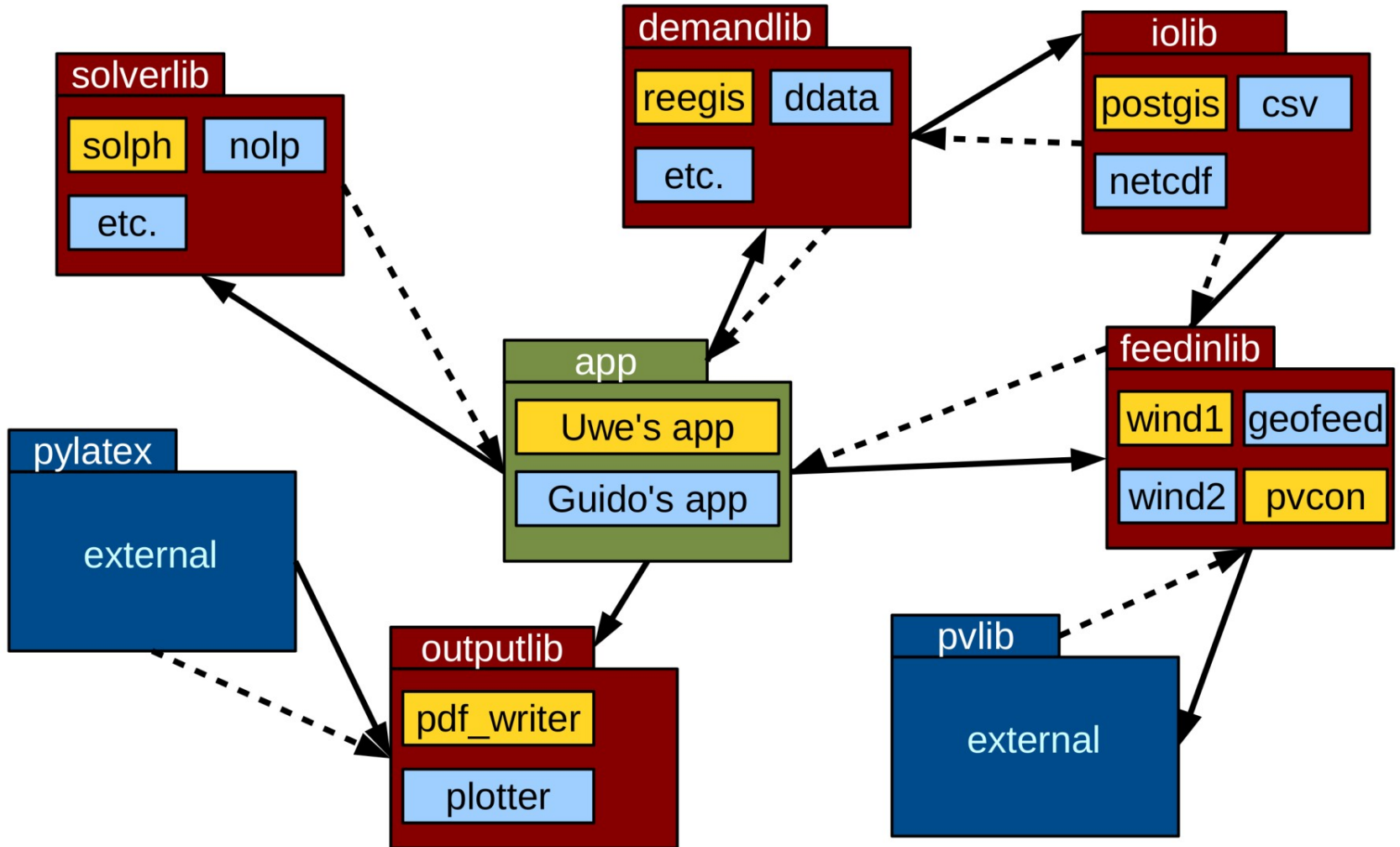
Funding by project *open_eGo*

- Funded by recently started project *open_eGo*
- Coordinated grid expansion planning of transmission and distribution grid
- Based on open source tools



o e m o f ['ø:mɔf]

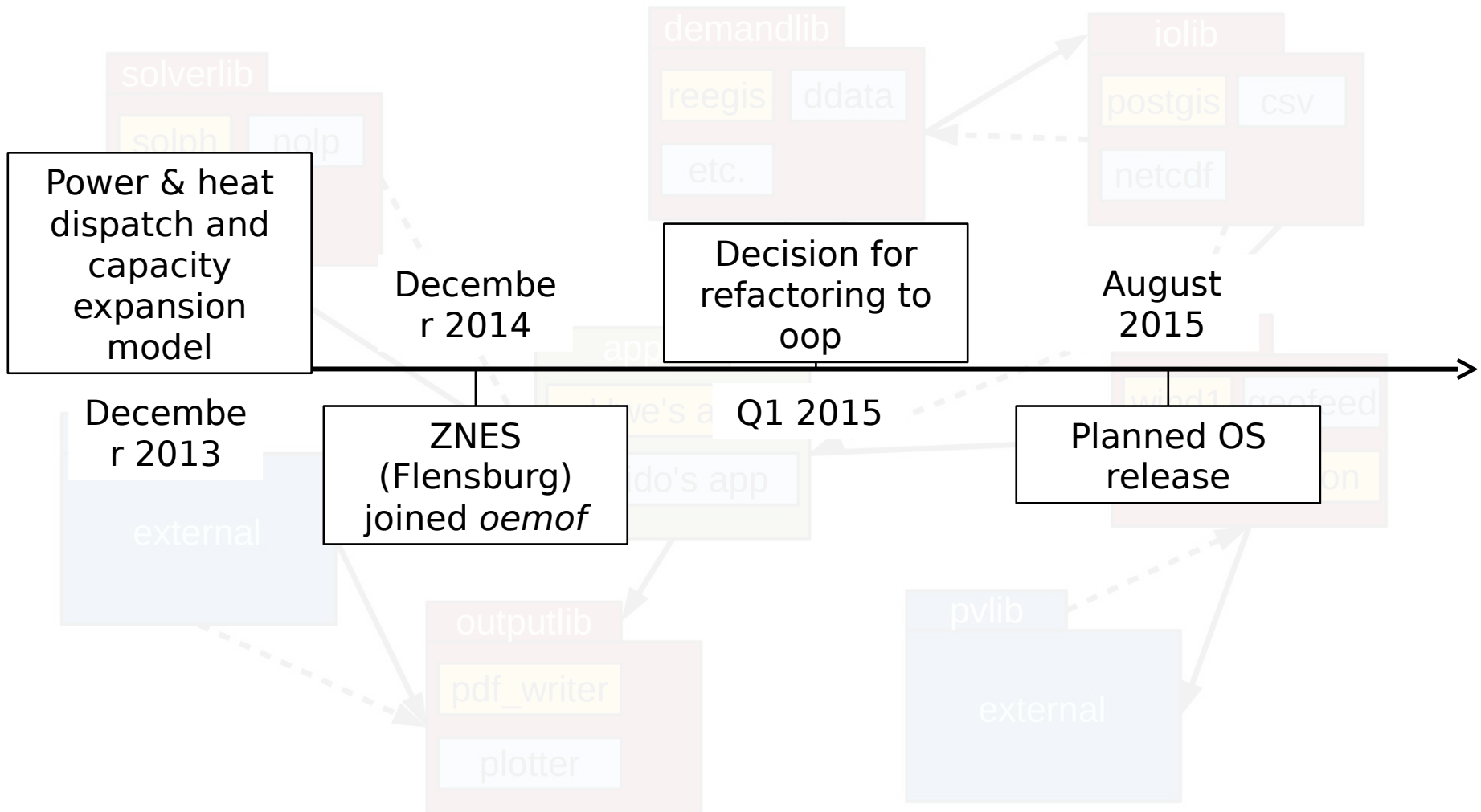
open energy modeling framework





oemof ['ø:mɔf]

open energy modeling framework





oemof ['ø:mɔf]

open energy modeling framework

Contains

Energy system model representing power and heat sector

- Dispatch and or capacity expansion optimization
- LP formulation

Library for feed-in time series generation

Library for demand time series generation

Database access library

Several *apps* to build models based on the libraries

Tools

Revision control

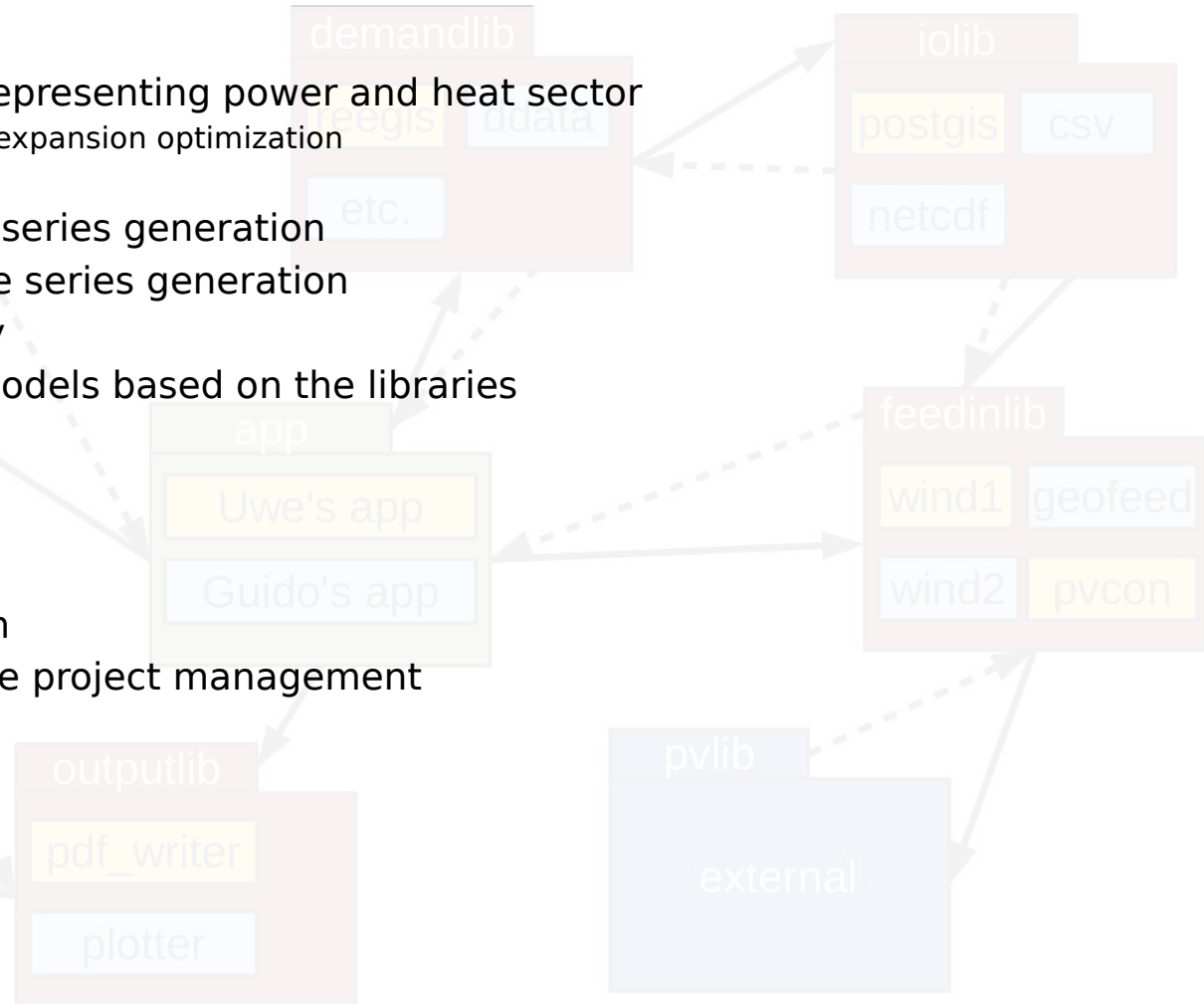
- git versioning system
- embedded in redmine project management

Communication

- ticket system
- wiki, forum
- web conferences

Documentation

- readthedocs



Towards the *OpenEnergy* Platform

OpenMod Workshop (London)

- Identifying/ collecting modellers needs
- Find interested co-developers

Workshop in Berlin (Oct. 2015)

- Present concept based on given needs
- Discuss concept and adjust

Implementation

- Implementation of *OpenEnergy* Platform based on concept
- First internal version at begin of 2016
- Release in April/May 2016

Towards the *OpenEnergy* Platform

Agenda of Break out group

Models

- Interface design
- Documentation

Communication

- User access
- Communication tools

General/ technical

- Platform hosting
- Maintenance concept

Data

□ Covered by *Open Power System Data* breakout group

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Interested?

☐ join the break out group

Conflict with other break out group or you have further interest in a particular aspect

☐ hand over your contact details