## 26th World Gas Conference

1 – 5 June 2015, Paris, France



Towards pre-dimensioning of natural gas networks on a web-platform

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## The MEU platform

A tool dedicated to urban energy monitoring and planning

#### **MEU Project (618 kCHF)**

Planning and monitoring energy demand and supply in urban area

#### **MEU platform production launch (280 kCHF)**

Operational version, stable and secure, basic functionalities

#### MEU+ Project (70 kCHF)

Gas network dedicated functionalities

**MEU Platform – Commercial version** 

Maturation and business plan



R&D

Prototype

Market

## The MEU platform

Partnerships



Academics



**Utilities** 

Software dev.

**Financers** 











Schweizerische Eidgenossenschaft Confédération suisse Confederazione Svizzera Confederaziun svizra



Forschungs-, Entwicklungs- und Förderungsfonds der schweizerischen Gasindustrie Fonds de recherche, de développement et de soutien de l'industrie gazière suisse



## The MEU platform – functionalities and characteristics

Heating technologies





## The MEU platform – functionalities and characteristics

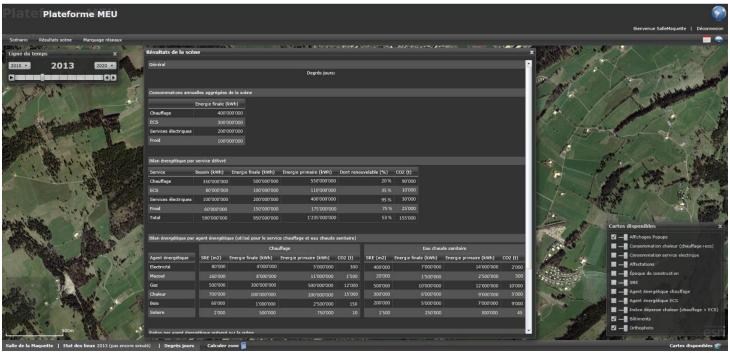
Heating consumption





## The MEU platform – functionalities and characteristics

Area energy balance





## The MEU + project

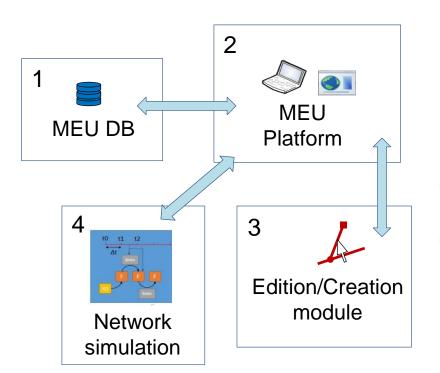
- A new "Natural Gas Networks" module built for energy utilities
  - Data valorisation for gas distribution industry
  - Gas dedicated energetic and geo-referenced data gathering
  - Gas networks
    - GIS representation
    - Scenarios creation/edition
    - Behaviour simulation



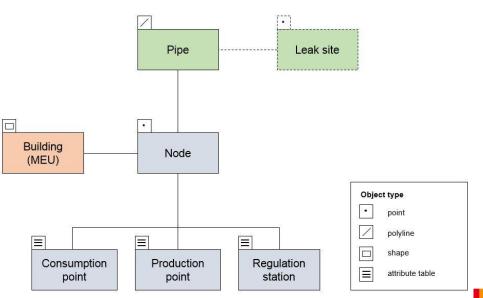
Bottom-up approach



# The MEU platform – Gas network integration



#### Dedicated data model creation





## The MEU platform – Gas network integration

Platform improvements





### Conclusion

- The MEU platform display global and detailed picture of an area, with consumptions and energy balances
- High added value data exchange between different energy actors
- Transversality in territorial energy planning and management
- Improving :
  - comprehension of global urban energy metabolism
  - design methods of territorial energy systems

