




  
**CONCERTO Premium**  
[www.concerto.eu](http://www.concerto.eu)

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 14 October 2011 - Almere

 CONCERTO is co-funded by the European Commission under the Research Framework Programme


## Agenda



- (1) Introduction of CONCERTO Premium
  - Consortium
  - Objective
- (2) Collaboration of CONCERTO Communities and CONCERTO Premium
  - Development of Energy Flow Diagrams
  - Development of Excel Data Sheets
  - Set-up of CONCERTO Premium Database
  - Workflow
- (3) Next Steps


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## (1) CONCERTO Premium - Consortium



**CONCERTO Plus** → **CONCERTO Premium**

**Coordinator:**  
Steinbeis-Europa-Zentrum (SEZ), Germany



In consortium with:

**Karlsruhe Institute of Technology (KIT) and its Departments:**

- Building Science Group (FBTA)
- Chair of Sustainable Management of Housing and Real Estate (ÖÖW)
- Energy and Environment Unit (EE)
- French-German Institute for Environmental Research (DFIU)
- Institute for Information Management in Engineering (IMI)
- Institute for Technology Assessment and System Analysis (ITAS)





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## (1) CONCERTO Premium - Consortium




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## (1) Objective


★ CONCERTO


58 communities

23 countries


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## (1) Objective - Scope







Energy supply



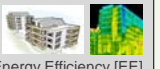
Energy demand



CONCERTO Community




Renewable Energy Sources [RES]



Energy Efficiency [EE]

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### (1) Objective




- Analysis & monitoring
  - Economic indicators (Payback period, CO<sub>2</sub> abatement costs)
  - Technical indicators (Efficiency, Peak load)
  - Environmental indicators (CO<sub>2</sub> emissions, primary energy demand)
  - Social indicators (Internal comfort level, satisfaction)
- Objective: Replication of CONCERTO measures  
Therefore, decision support for
  - Local authorities
  - Investors
  - Policy makers
  - Other target groups

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### (1) Objective – Set-up



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HOMEPAGE  
www.concerto.eu




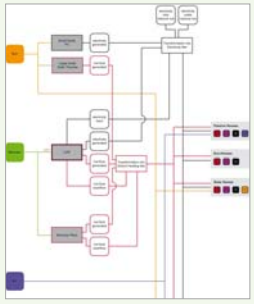
CONCERTO Community  
Presentation on a comparable standard



CONCERTO Premium Database  
Evaluation on a comparable standard

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### (2) Collaboration – Energy Flow Diagram






Development of Energy Flow Diagrams

- Energy carrier
- Energy supply
- Energy demand

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### (2) Collaboration – Excel Data Sheets


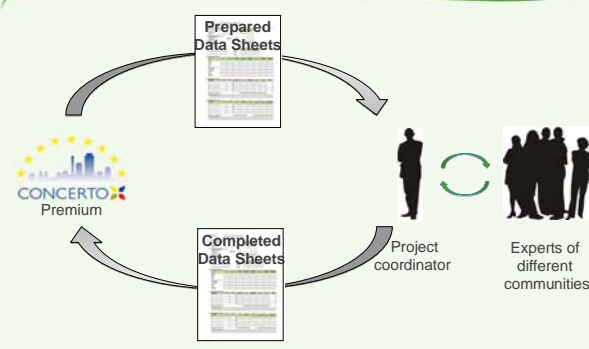




1.0 CONCERTO Site Data Sheet			
2.1 Community Energy System 1	2.2 Community Energy System 2	3.1 General Data Building 1	3.2 General Data Building 2
		3.1.1 Building Integrated Energy system 1	3.2.1 Building Integrated Energy system 1
		3.1.2 Building Integrated Energy system 2	3.2.2 Building Integrated Energy system 2
		3.1.3 Building Integrated Energy system 3	

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### (2) Collaboration – Excel Data Sheets

Prepared Data Sheets

Completed Data Sheets


Project coordinator


Experts of different communities

CONCERTO Premium


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### (2) Collaboration – Set up of new Database






City 1 City 2  
CONCERTO Communities Generation 1




City 1 City 2  
CONCERTO Communities Generation 2



City 1 City 2  
CONCERTO Communities Generation 3

Automated Quality and Plausibility Checks

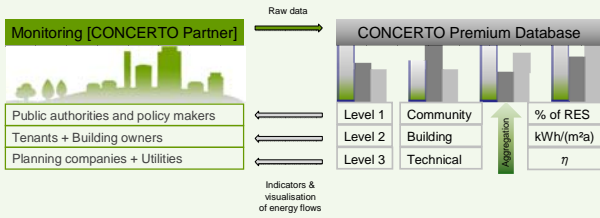


CONCERTO Premium Database

← Data flow

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## (2) Collaboration - Perspective



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## (3) Next Steps



- Site visits
- Development of Monitoring Guidelines
- Development of Excel Data Sheets
- Set-up of CONCERTO Premium database
- Set-up of CONCERTO Premium webpage

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Thank you for your attention!

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