



CONCERTO is co-funded by the European Commission



CONCERTO Premium

www.concerto.eu

Kilian Seitz

French-German Institute for Environmental Research, Karlsruhe, Germany

RENAISSANCE International Conference –
31st of May 2011 - Milan

- I. CONCERTO Premium
 - Consortium
 - Objective
- II. Collaboration of CONCERTO Communities and CONCERTO Premium
 - Set-up of CONCERTO Premium Database
 - Workflow
 - Indicators for Assessment as Database Output
- III. Next Steps

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)

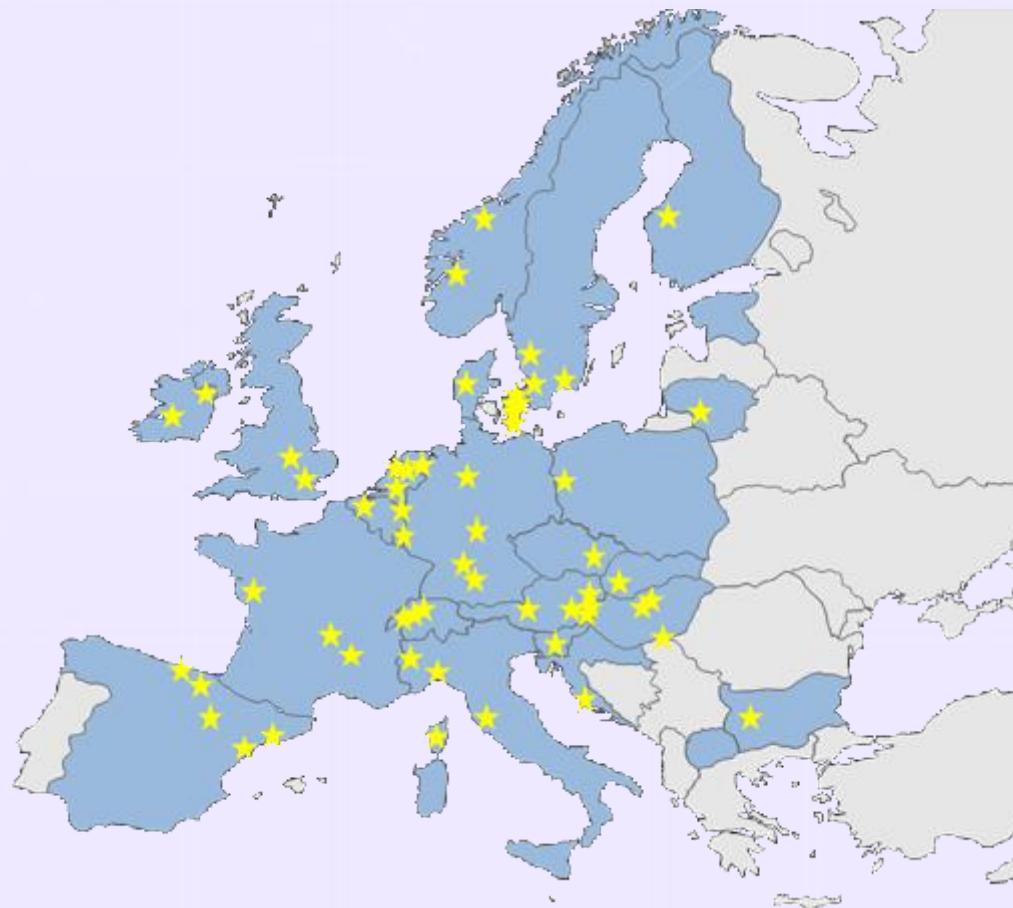
Institute for Technology Assessment and System Analysis (ITAS)





CONCERTO Premium

- Objective -



★ CONCERTO

58 communities
23 countries



CONCERTO Premium

- Objective -



Energy Efficiency



Renewable Energy



Polygeneration



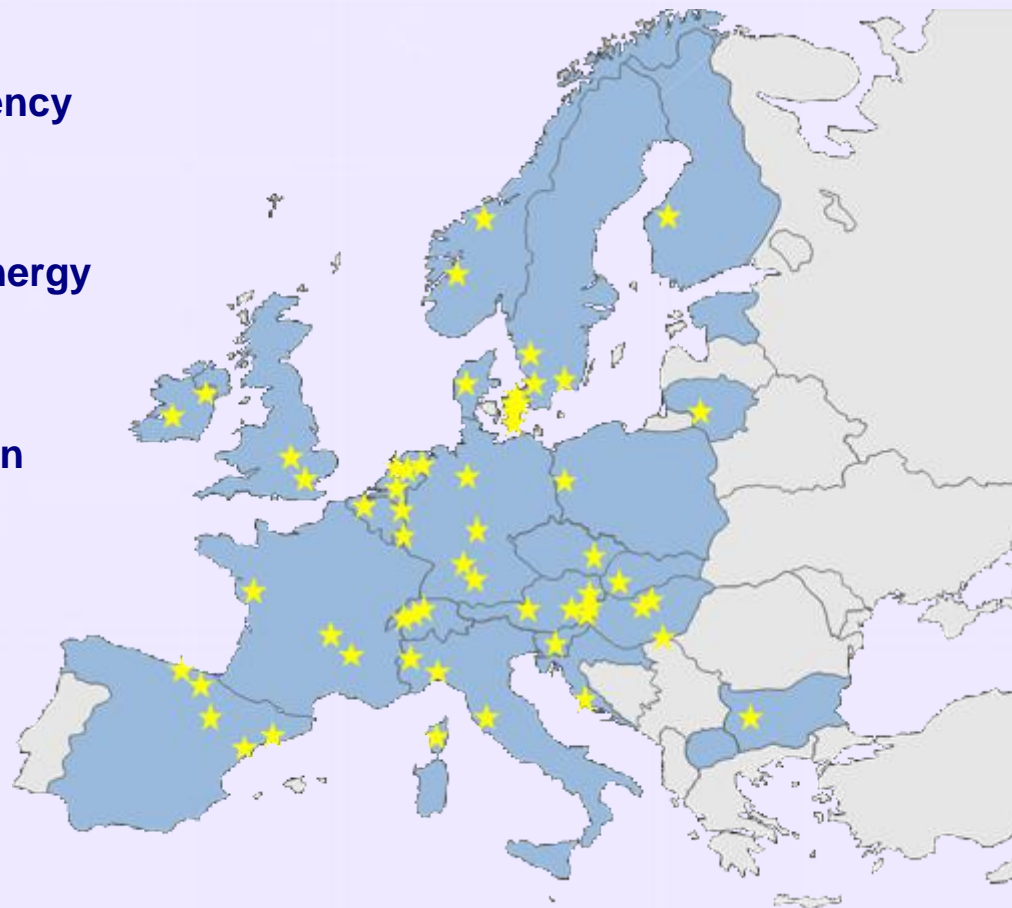
Research



Monitoring



Training



★ CONCERTO

58 communities
23 countries

INTEGRATIVE APPROACH



CONCERTO Premium

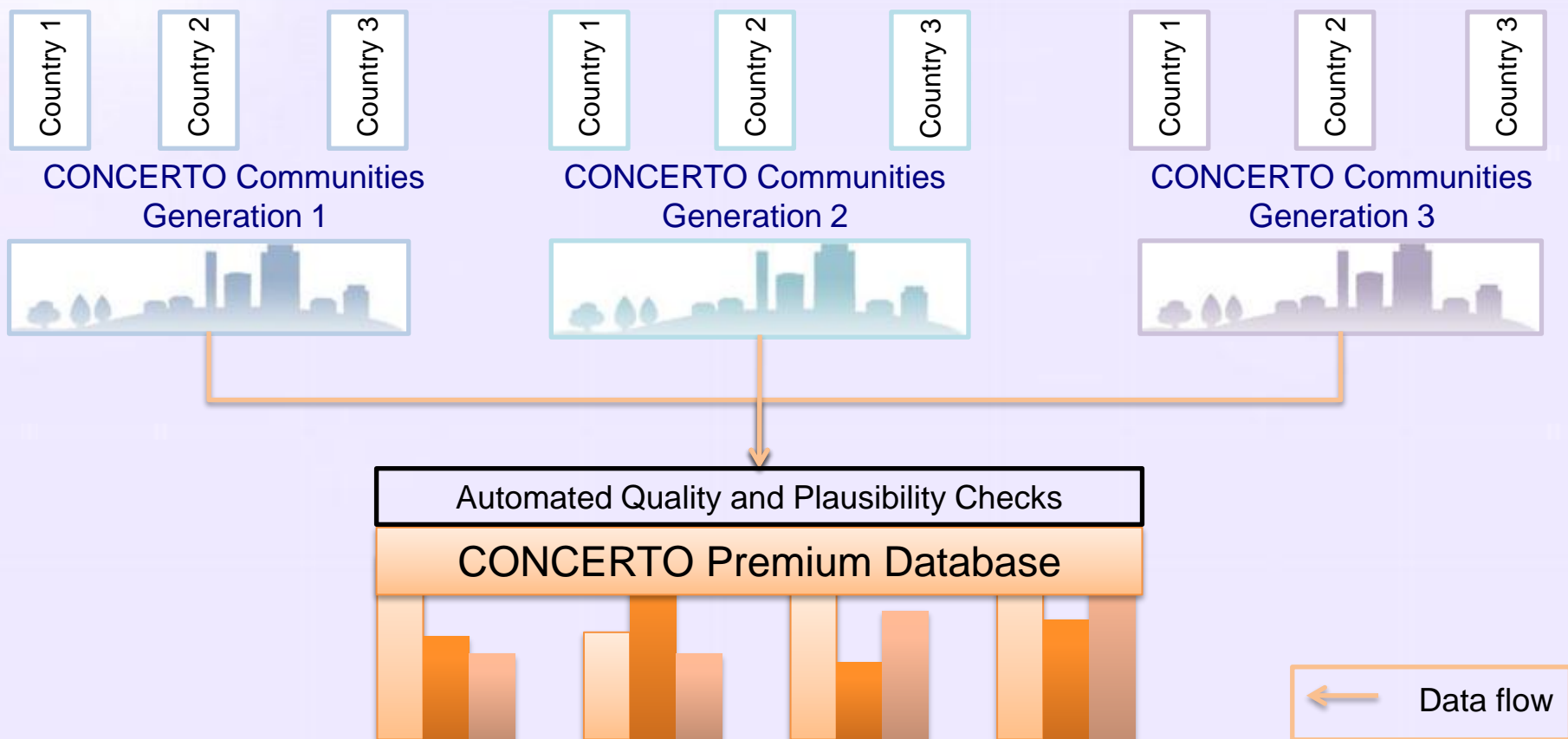
- Objective -

The CONCERTO initiative paves the way for smart cities:

- Smart people
 - Innovative spirit: Finding intelligent solutions
 - Awareness of energy consumption
- Smart governance
 - Intelligent grant schemes
 - Incentives to reduce energy consumption
 - Information campaigns
 - Transparent policies – public participation
- Smart environment
 - Sustainable resource management
 - Peak-load management
 - Smart environmental protection – waste management

Collaboration of Communities and CONCERTO Premium

- Set-up of CONCERTO Premium Database -



- Evaluation on a comparable standard
- Defining a suitable baseline
- Information for different target groups



Collaboration of Communities and CONCERTO Premium - Workflow -

CONCERTO Community

CONCERTO Premium

Monitoring [CONCERTO Partner]

Raw data

CONCERTO Premium Database

Public authorities and policy makers

Tenants + Building owners

Planning companies + Utilities

Level 1

Community

% of RES

Level 2

Building

kWh/(m²a)

Level 3

Technical

η

Aggregation

Indicators &
visualisation
of energy flows



- Scope: At community scale, integration of
 - Energy supply / demand
 - Renewable energy sources (RES) / energy efficiency (EE)
- Analysis & monitoring
 - Economic indicators
 - Technical indicators
 - Environmental indicators
 - Social indicators
- Objective: Replication of CONCERTO measures

Therefore, decision support for

- Local authorities
- Investors
- Policy makers
- Other target groups

Next Steps

- Workshop about identified indicators and information needs
 - Tomorrow with RENAISSANCE partners
- Results will be included into an online questionnaire
 - For all CONCERTO partners
- Monitoring guide
- Site visits
- Collection of monitoring data
- Set-up of CONCERTO Premium database

Thank you for your attention!

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Contact details:

Kilian Seitz

kilian.seitz@kit.edu

Tel. +49 721 608 44677

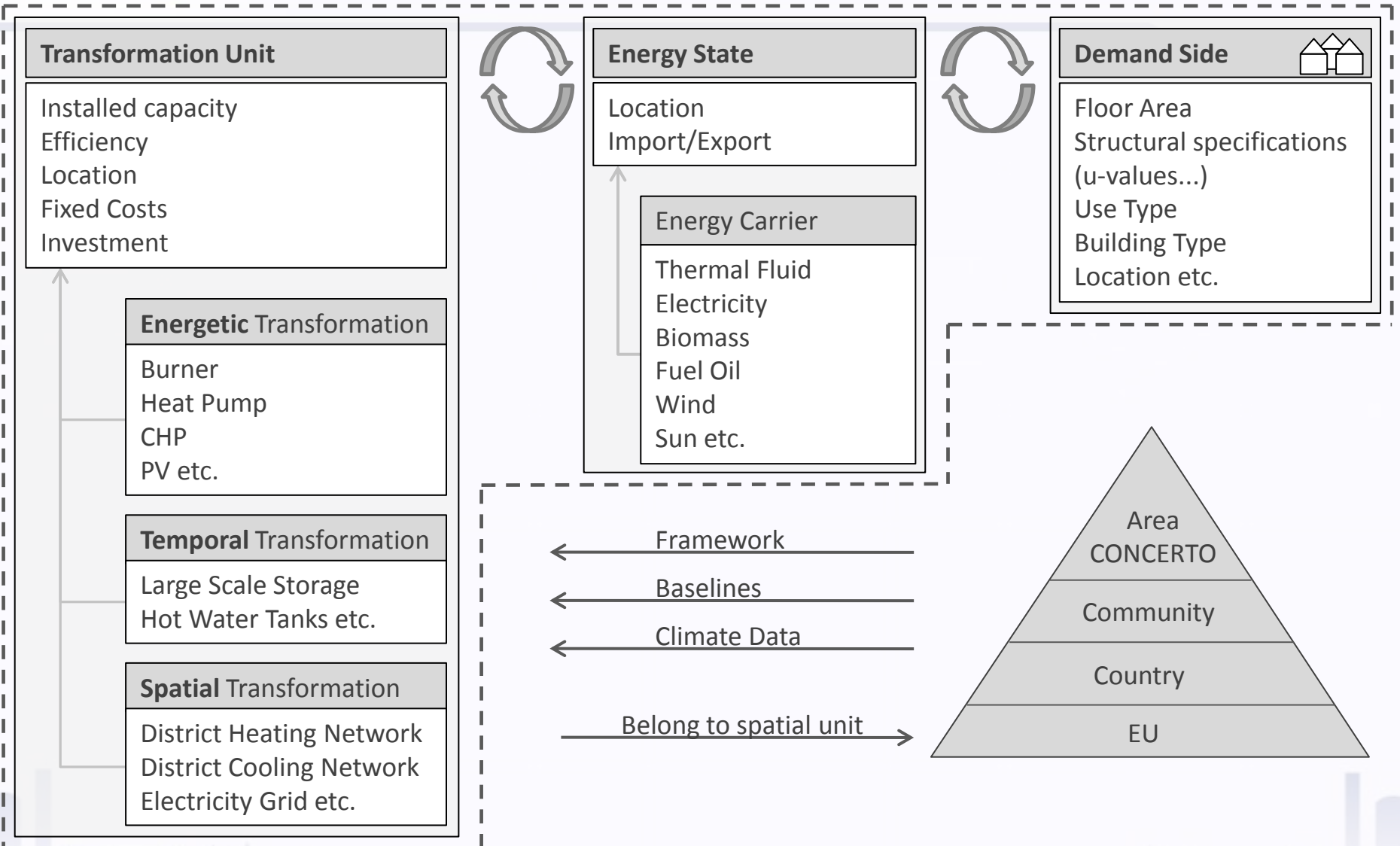



Backup



Concerto Premium Contact Details

Field of expertise	Organisation	Persons responsible	Telephone number	Email	Organisation web
Overall project management	Steinbeis-Europa-Zentrum	Dr. Petra Püchner	+49 711-123-4012	puechner@steinbeis-europa.de	www.steinbeis-europa.de
		Valerie Bahr	+49 711-123-4021	bahr@steinbeis-europa.de	www.steinbeis-europa.de
Dissemination	Steinbeis-Europa-Zentrum	Charlotte Schlicke	+49 711-123-4018	schlicke@steinbeis-europa.de	www.steinbeis-europa.de
Technical, economical and environmental indicators for techniques and Concerto area	Karlsruhe Institute of Technology French-German Institute for Environmental Research (DFIU)	Julian Stengel	+49-721-608-44555	julian.stengel@kit.edu	www.iip.kit.edu
		Kilian Seitz	+49 721-608-44677	kilian.seitz@kit.edu	www.iip.kit.edu
	Building Science Group (FBTA)	Jens Knoll	+49 721-608 46442	jens.knoll@kit.edu	www.fbta.uni-karlsruhe.de
		Silke Rübél	+49 721-608-46984	silke.ruebel@kit.edu	www.fbta.uni-karlsruhe.de
Technical and monitoring database	Karlsruhe Institute of Technology Building Science Group (FBTA)	Jens Knoll	+49 721-608 46442	jens.knoll@kit.edu	www.fbta.uni-karlsruhe.de
		Silke Rübél	+49 721-608-46984	silke.ruebel@kit.edu	www.fbta.uni-karlsruhe.de
Interpretation and Assessment of CONCERTO projects' results	Karlsruhe Institute of Technology Energy and Environment	Dr. Joachim Fuchs	+49 721-608-28596	joachim.fuchs@kit.edu	www.kit.edu
RES	Karlsruhe Institute of Technology Energy and Environment	Dr. Joachim Fuchs	+49 721-608-28596	joachim.fuchs@kit.edu	www.kit.edu
Visualization	Karlsruhe Institute of Technology Institute for Information Management in Engineering (IMI)	Milan Marinov (Dipl.-Ing.)	+49 721-608-46634	milan.marinov@kit.edu	www.imi.kit.edu
		Dan Gutu (Dipl.-Wi.-Ing.)	+49 721-608-46636	dan.gutu@kit.edu	www.imi.kit.edu
Energy Policy Recommendation Energy-Socio-Economics	Karlsruhe Institute of Technology Institute for Technology Assessment and System Analysis (ITAS)	Dr. Volker Stelzer	+49 721-608-2-3474	volker.stelzer@kit.edu	www.itas.fzk.de



 **Variable Costs / Energy Flow / Timestamp** relate an energy state to a transformation/demand unit

