



The European Energy Award

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from research to practical implementation ...

		Generalized Planning Process					
		Target setting	Analysis of situation	Potential analysis	Project planning	Realisation	Monitoring
Strategic Measures	Set Vision and Targets						
	Develop Renewable Energy Strategies						
	Make Full Use of Legal Frameworks						
	Design of Urban Competition Processes						
	Make Use of Tools Supporting the Decision Making Process						
	Implement Monitoring of Energy Consumption and GHG Emissions						
	Stakeholder Engagement & Involvement						
	Include Socio Economic Criteria						
	Implement Effective and Efficient Organisational Processes						

IEA-EBC, Annex 63 "Implementation of Energy Strategies in Communities", 2017

A little story about an energy conscious community...

... it has *no idea*,

- how effective its measures are,
- what other measures it would need to achieve the climate targets,
- what other measures are possible,
- where the community is standing on the way to accomplish their targets, neither has she an action plan
- how other cities are doing and what they are doing

... but the mayor is clever!

The city needs...

- a programme and a process instead of single projects
- a system to prioritize fields of actions for the city's planning process
- systematic evaluation of own activities and a benchmarking system to compare with others
- a network for exchange of experience and know-how



Participating Municipalities

Country	No. of awarded communities				Gold certified	No. of participating communities
	< 5'000 inhabitants	5' - 100'000 inhabitants	> 100'000 inhabitants	Total		
AT	64	39	1	104	14	194
CH	154	215	5	374	34	637
DE	30	131	52	213	43	320
FR	1	15	18	34	2	100
LI	9	2	-	11	-	11
IT	18	5	-	23	3	29
HU	-	1	-	1	-	1
MC	-	1	-	1	-	1
LU	37	19	1	57	4	96
RO	-	-	-	-	-	4
UA	-	-	1	1	-	1
MA	-	-	-	-	-	3
Total	313	428	78	819	100	1397

Status Beginning of 2016

Ordinary members countries with national programmes

Pilot countries



National programs:



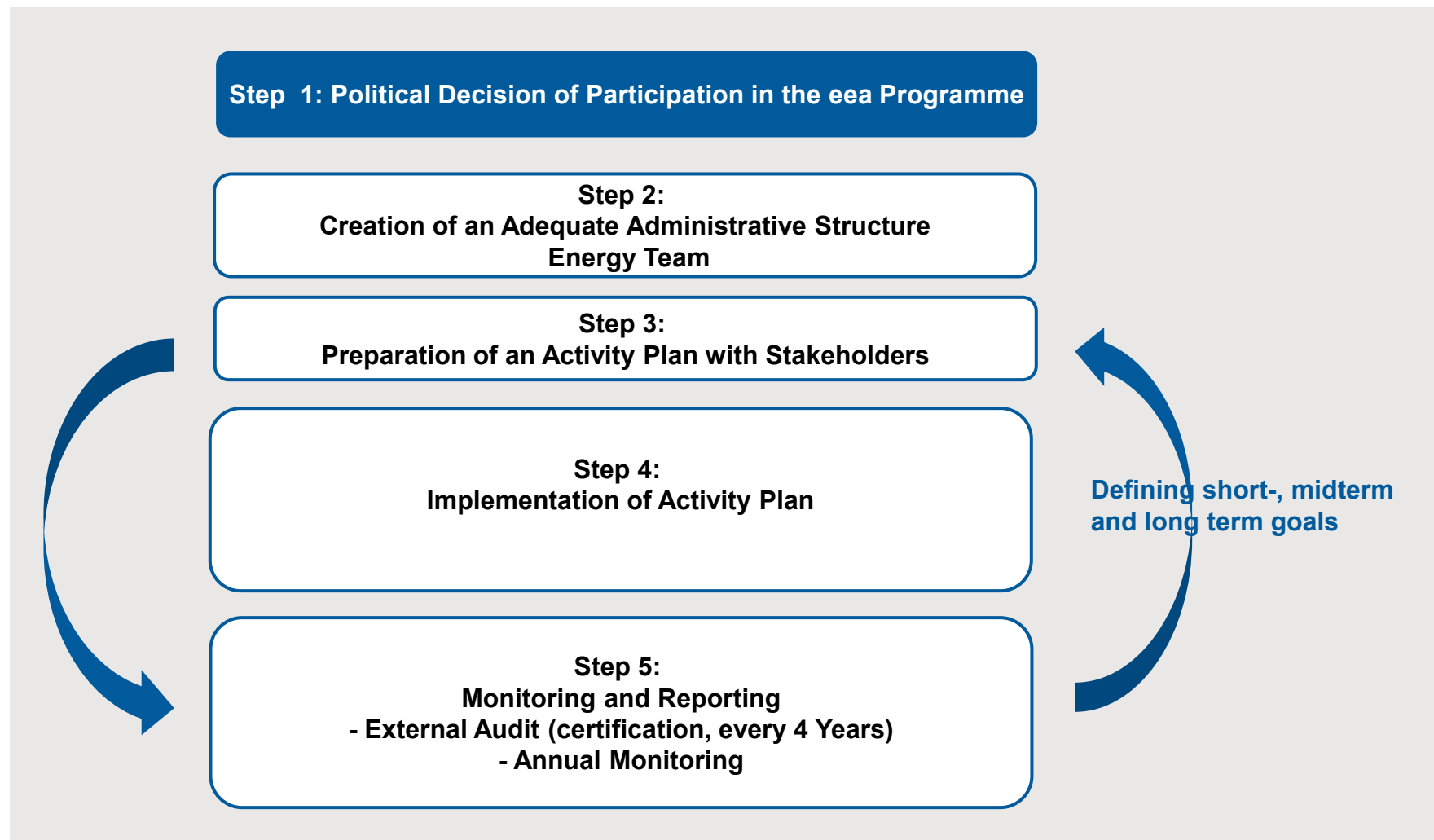
What is the European Energy Award?

- Management system, including a standardised process which leads step by step to a sustainable energy/climate/mobility policy
- 79 voluntary measures in 6 areas
- Certification for municipalities with high efforts in local climate and energy topics

Developed by municipalities!
More than 20 years of experience!



Management System and Process



Essential: Local Energy Team

- Interdisciplinary cooperation (planning department, building department, mobility administration, city council, citizens...)
- Efficient structuring of energy and climate relevant tasks
- Clustering competences, creativity and knowledge
- Regular meetings
- Accompanied by an energy expert (eea advisor)



Energy Policy Plan

ENERGY POLICY PLAN 2013

No.	what? ↓		additional eea- points	who? ↓	when? ↓		costs? ↓	
	measure	description of activity		reali- sation lead	termina- tion	priority	single costs	annual costs (internal/ external)
Development, Regional planning								
1.1 Concepts, Strategy								
1.1.1	Climate strategy at municipality level, energy perspectives							
1.1.2	Balance, indicator systems							
1.1.3	Climate protec- tion and energy concepts							
1.1.4	Evaluation of the effects of climate change, assessment of the impacts of climate change							



Supporting activities

- Information exchange between municipalities
- Training courses
- Experts knowledge
- Guidelines, Checklists, ...
- ...

→ Trained eea Advisor

→ based on a structured catalogue of measures – collection of 79 measures a municipality can implement

“eea Assessment Tool”



6 Areas of Assessment and Activity



eea Assessment Tool: Structure

European Energy Award® website

English

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Salzburg Stadt

Description of the measure

Documentation of implemented measures

1.2.1 Kommunale Energieplanung

Die Gemeinde verfügt über eine Energieplanung basierend auf einem Energi...
Sie enthält zusätzlich die Koordination mit der Raumplanung und anderen Maßnahmen des e5-Maßnahmenkatalogs.

Die Energieplanung enthält eine Karte, welche die Vorranggebiete für erneuerbare Energien und Abwärme zeigt. Die Energieplanung wird von einem Aktivitätenprogramm und Zwischenzielen begleitet. Die Umsetzung wird evaluiert.

Status of implemented measures

Kommunale Energieplanung entspricht dem Smart City Arbeitsprogramm 2015 und den laufenden und aktuellen Planungen und Projekten:

- Energy City Concepts Schallmoos
- Heatswap - Vorzeigeregion Energie
- Pilotprojekte: Energiekonzept Stiegelgründe, Sanierungs- und Energiekonzept Göthesiedlung, Energiekonzept Itzling

Zusammenarbeit mit der Salzburg AG zum Ausbau und Verbesserung der Fernwärme

- OPTRES: Abschätzung von mögl. Fernwärme-Versorgungsgebieten
- Konkrete Planungen zur Effizienzverbesserung im Fernwärmenetz (Umstellung auf Heißwasserbetrieb) und zur Smart Grids Modellregion Salzburg

Smart City Arbeitsprogramm wird jährlich evaluiert, wurde durch den Gemeinderat beschlossen und der Öffentlichkeit präsentiert

Last changed on Oct 17, 2016 by Petra Gruber

Planned measures

Potential: konkreter Planung zur Solaroffensive

Last changed on Oct 17, 2016 by Petra Gruber

Planned activities

Value of the measure

Individual potential

Achieved points

Planned points

Current implementation quality

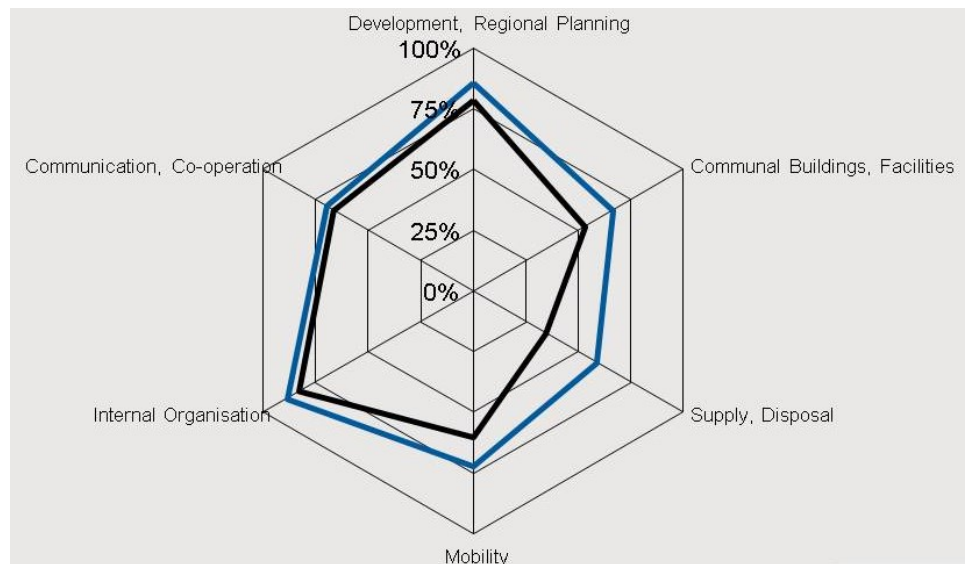
	maximum	potential	effective	planned
Current			80%	0%
In points	10	10	8	0

Current implementation quality 64.5%

?

Assessment Tool: 79 Measures in 6 Areas

- Assessment and certification: eea Auditor
- Documentation of success
- Catalogue of ideas and suggestions
- Strengths/weaknesses outline
- Regular monitoring



Awarding



50% of possible points



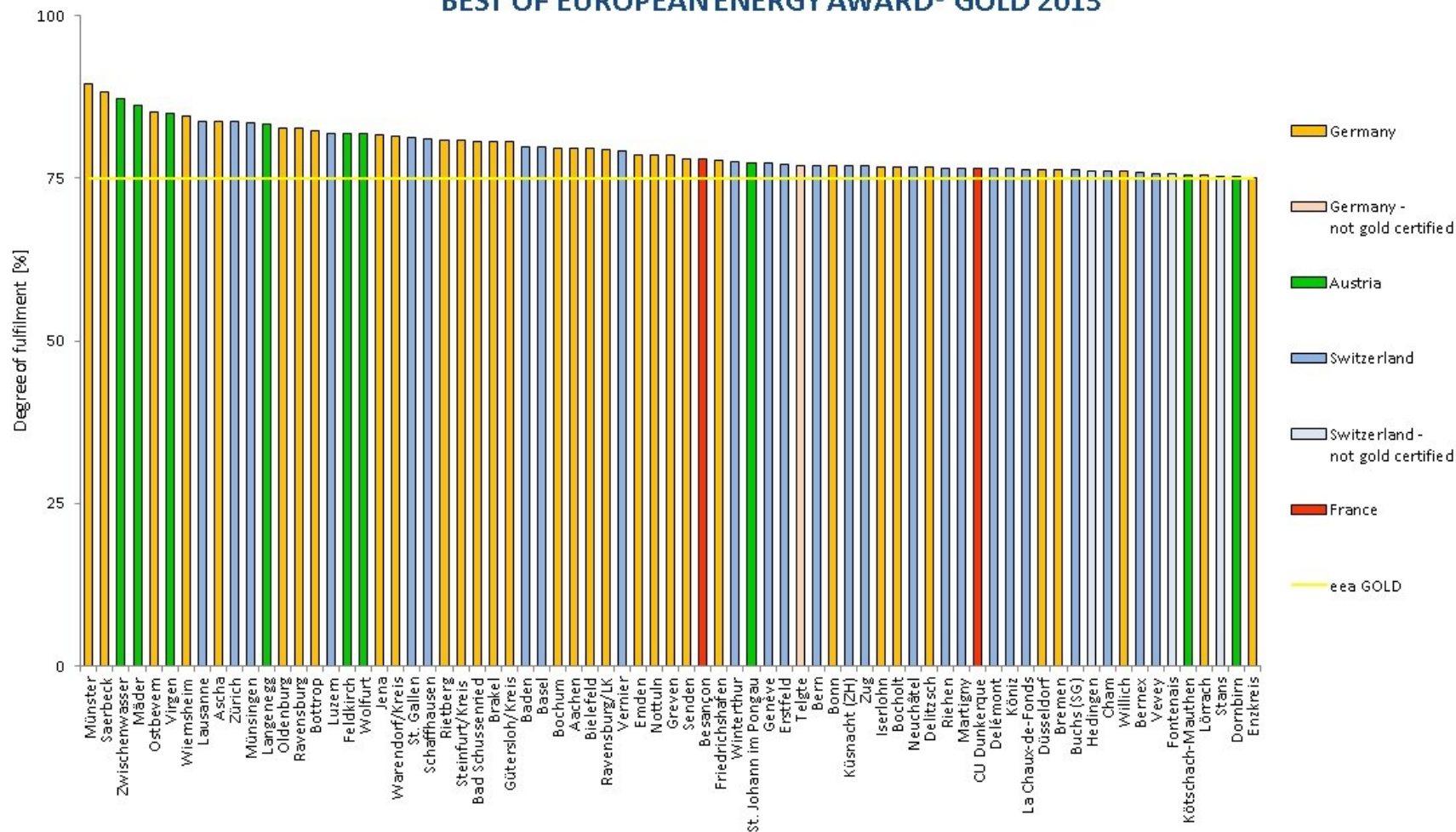
75% of possible points

Incentive and support for
the eea management system
by public presence!



'Best of Europe' - eea Benchmark

BEST OF EUROPEAN ENERGY AWARD® GOLD 2013

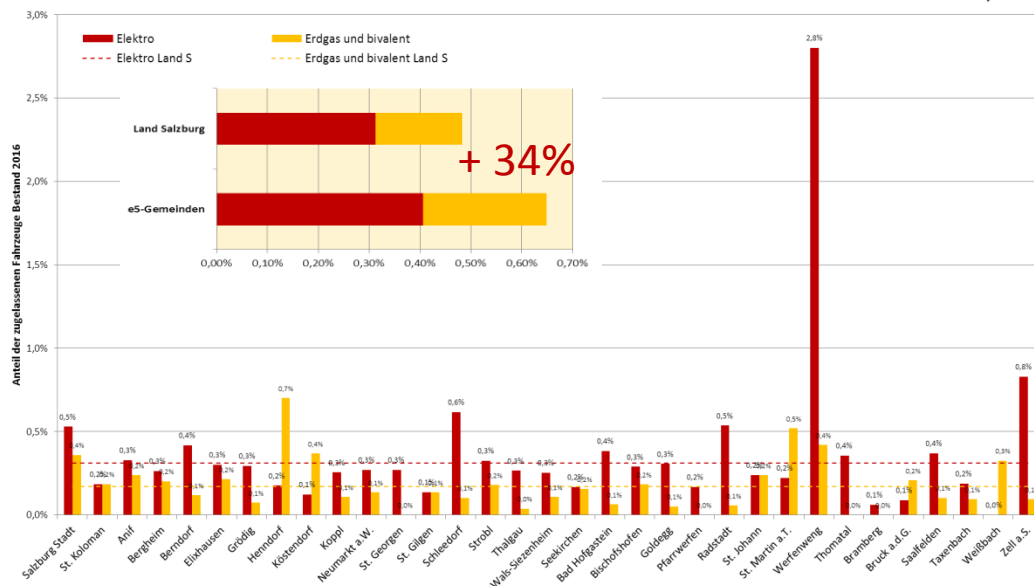
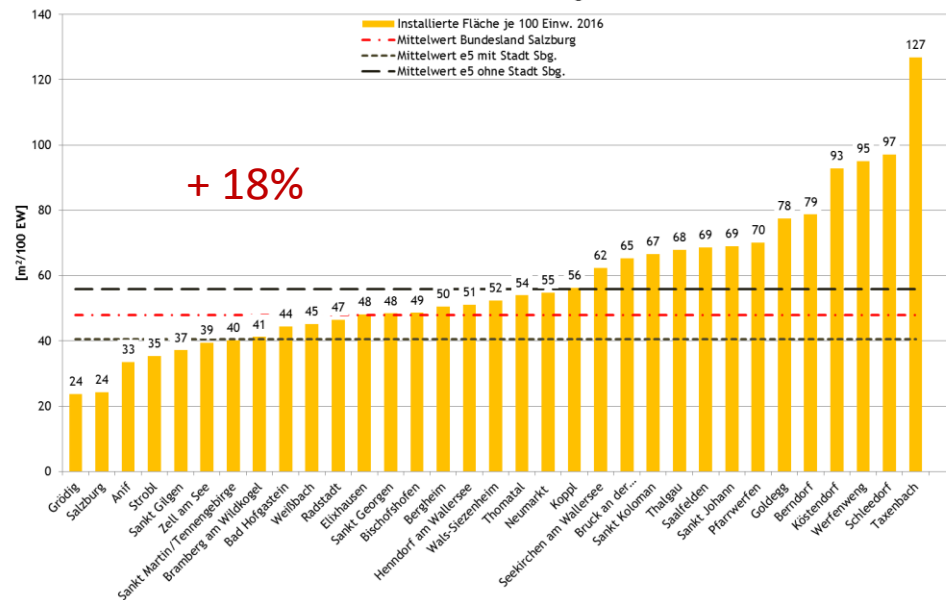


General Results

Benchmarks

eea municipalities are better than average!

Sonnenkollektorflächen in e5-Gemeinden
Solarthermische Fläche einwohnerbezogen zum 31.12.2016



„Smart City Salzburg“

- Development of Masterplan “Smart City Salzburg”
- Consultant for implementation of Smart City Masterplan (based on a contract): strategy, coordination, stakeholder-involvement (internal+external), project development, monitoring
- Topics: Spatial energy planning, energy supply strategy, innovative housing projects, Mobility
- eea: Quality Management, Evaluation

www.smartcitysalzburg.at



Masterplan 2025



→ www.smartcitysalzburg.at



Organisation

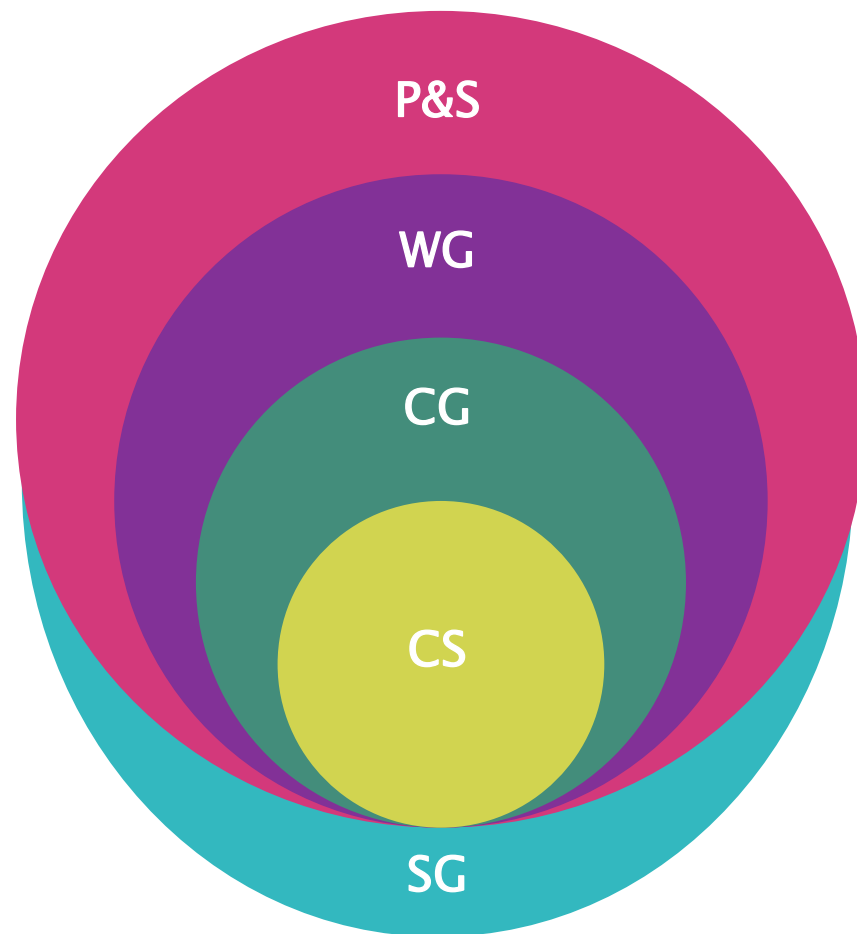
Partner & Stakeholder (P&S)

Working Group (WG) : CG+SAG, FH, SIG,
Housing Associations

Coordination Group (CG) : CS+SIR

Coordination Centre (CS) : Abt 4+5

Steering Group (SG): CG+Mayors



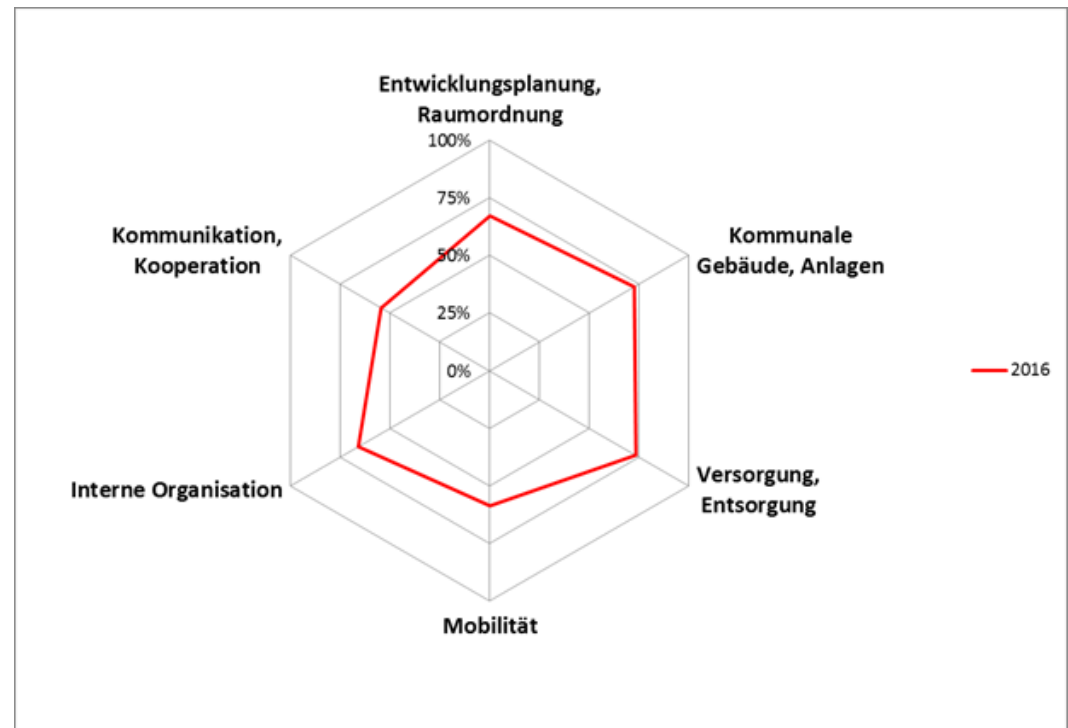
Strategy

Themes 2017

1. Integrated Planning
2. Mobility
3. Research Projects
4. Evaluation Report
5. Towards 5e / eea Gold
6. Lifestyle

Communication 2017

1. Visibility
2. Resources



Strategy

Cooperation 2017

1. Decision makers (policy, administration)
2. Steering Group
3. Establishment of Smart City Issues in administration
4. Local Energy Supply Company
5. Federal State of Salzburg
6. Stakeholder

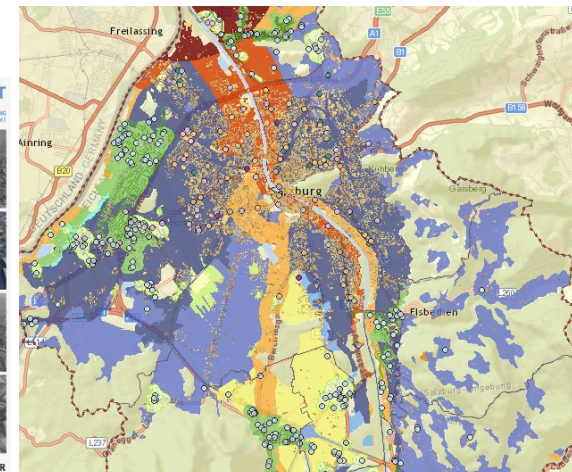
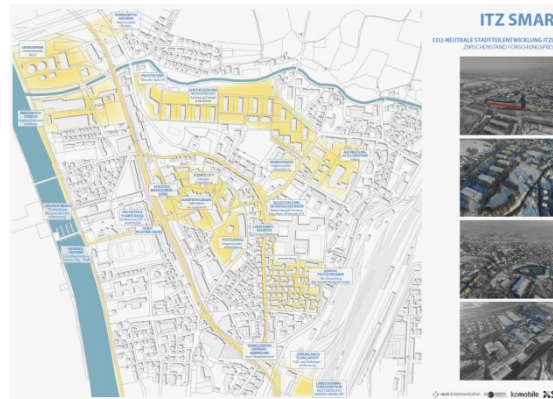


Projects

- Stadtwerk Lehen
- Plus-Energy Sports -hall Lieferung
- Integrated Heat Plan for Urban Area of Salzburg
- Energy Supply Strategy for district of Schallmoos
- Smart City Development in district of Itzling: upgrading, Buildings, energy supply, mobility
- Modernisation Strategy Goethesiedlung
- Zero Carbon Refurbishment F. Inhauserstraße
- Bicycle-Strategy
- Urban Mobility Lab
- ...



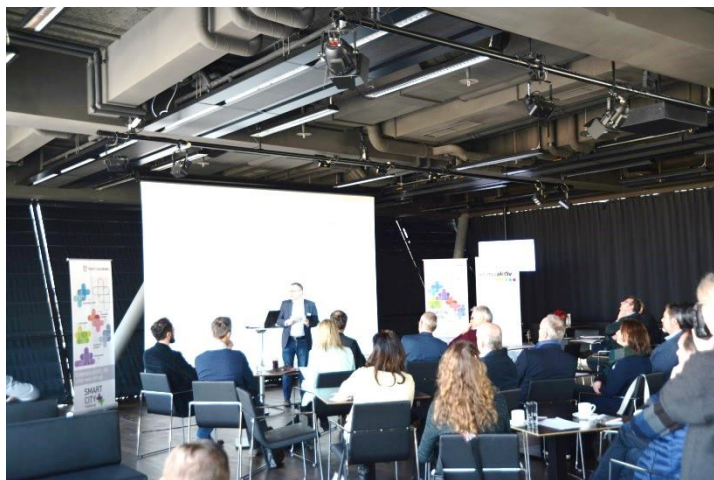
Phelps, 2017



Stakeholder Involvement

Round Tables

- Spatial energy planning
- Reasonable housing
- Urban planning & Mobility
- Renovation – development of existing building stock
- Energy oriented urban planning



Benefits for Municipalities

Quality Management System

- Identification of actual status, systematic review of activities
- Identification of most cost-effective projects
- Annual activity programme
- Annual monitoring
- Responsible energy team, networking between departments
- External energy advisor
- Excellent implementation tool in the context of the CoM
- **Continuous optimisation** of municipal energy work

“We now have all our duties concerning energy under control.”

Benefits for Municipalities

Certification and Awarding System

- Documentation of the municipal energy activities
- Benchmarking with other communities
- Access to know-how and experience of other communities
- Contact to population and business
- Improvements in location attractiveness, innovative businesses
- Set an example
- International network of communities, town marketing

“We knew we were good but we couldn’t prove it.”

Benefits for Countries and Regions

Support Municipalities with Instruments

- Access to eea-tools developed for more than 10 years
- Exchange of tools and products among countries
- Exchange of experience
- Multiplication of existing tools
- Implementation of national goals
- Cross-border activities and projects
- Encourage communities to adopt future-oriented energy policy
- International network of countries implementing eea

Benefits for Countries and Regions

Exchange of Experiences

- International association European Energy Award
- International benchmark, reflection of the national energy policy
- Exchange of experiences, EU projects
- International network of information and experience



www.european-energy-award.org

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