The European Energy Award

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Salzburg Institute for Regional Planning and Housing
**from research to practical implementation ...**

### Generalized Planning Process

<table>
<thead>
<tr>
<th>Strategic Measures</th>
<th>Target setting</th>
<th>Analysis of situation</th>
<th>Potential analysis</th>
<th>Project planning</th>
<th>Realisation</th>
<th>Monitoring</th>
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<tbody>
<tr>
<td>Set Vision and Targets</td>
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<tr>
<td>Develop Renewable Energy Strategies</td>
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<tr>
<td>Make Full Use of Legal Frameworks</td>
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<tr>
<td>Design of Urban Competition Processes</td>
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<tr>
<td>Make Use of Tools Supporting the Decision Making Process</td>
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<tr>
<td>Implement Monitoring of Energy Consumption and GHG Emissions</td>
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<tr>
<td>Stakeholder Engagement &amp; Involvement</td>
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<tr>
<td>Include Socio Economic Criteria</td>
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<tr>
<td>Implement Effective and Efficient Organisational Processes</td>
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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

<table>
<thead>
<tr>
<th>Country</th>
<th>No. of awarded communities</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th>No. of participating communities</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>&lt; 5'000 inhabitants</td>
<td>5'000 - 100'000 inhabitants</td>
<td>&gt; 100'000 inhabitants</td>
<td>Total</td>
<td>Gold certified</td>
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<tr>
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<tr>
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<td>2</td>
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<td>-</td>
<td>-</td>
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<td>Total</td>
<td>313</td>
<td>428</td>
<td>78</td>
<td>819</td>
<td>100</td>
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</table>

**National programs:**

- E5
- Energiestadt
- Cit’ergie
- KlimaPakt

*Status Beginning of 2016*

### Map

- **Ordinary members countries with national programmes**
- **Pilot countries**
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

Step 1: Political Decision of Participation in the eea Programme

Step 2: Creation of an Adequate Administrative Structure
         Energy Team

Step 3: Preparation of an Activity Plan with Stakeholders

Step 4: Implementation of Activity Plan

Step 5: Monitoring and Reporting
         - External Audit (certification, every 4 Years)
         - Annual Monitoring

Defining short-, midterm and long term goals
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

<table>
<thead>
<tr>
<th>No.</th>
<th>what?</th>
<th>who?</th>
<th>when?</th>
<th>costs?</th>
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<tbody>
<tr>
<td></td>
<td>measure</td>
<td>description of activity</td>
<td>additional sea-points</td>
<td>realisation lead</td>
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</tbody>
</table>

### 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 protection 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

- **Development & Spatial Planning Strategy**
  - Energy planning, building approval and monitoring

- **Municipal Buildings & Facilities**
  - Energy and water management of public buildings and public lighting

- **Mobility**
  - Public transport, non-motorised, mobility, traffic calming

- **Internal Organisation**
  - Energy team, further training of staff, procurement

- **Communication & Cooperation**
  - Information, events, local cooperation and support

- **Supply & Disposal**
  - Energy, water, waste water, waste

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*European Energy Award*
**Description of the measure**


**Documentation of implemented measures**

Status of implemented measures:

- 1.2.1 Kommunale Energieplanung
- 1.2.2 Kernenergie- und Stromversorgung
- 1.2.3 Erneuerbare Energien
- 1.2.4 Energieeffizienz

**Value of the measure**

<table>
<thead>
<tr>
<th>Current implementation quality</th>
<th>maximum</th>
<th>potential</th>
<th>effective</th>
<th>planned</th>
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<tbody>
<tr>
<td>Current</td>
<td>10</td>
<td>10</td>
<td>0%</td>
<td>0</td>
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</tbody>
</table>

**Individual potential**

In points:

- Planned: 10
- Achieved: 8

**Achieved points**

**Planned activities**

- Potential: konkreter Plan zur Solaroffensive

**Planned points**

- Last updated on Oct 17, 2016 by Petra Gruber
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

Degree of fulfillment [%]

- Germany
- Germany - not gold certified
- Austria
- Switzerland
- Switzerland - not gold certified
- France
- eee GOLD
**General Results**

**Benchmarks**

eea municipalities are better than average!

![Graph showing solar collector areas in e5 municipalities](image-url)

+ 18%

+ 34%
„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
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 Liefering
- 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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