

SmartReFlex – Experiences from Baden-Württemberg

Final Workshop
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The frame in Baden-Württemberg

Climate protection law with ambitious goals

- Until 2050: 50 % less energy consumption
80 % renewable energies
90 % less CO₂ emissions

50-80-90

Integrated energy and climate protection concept (IEKK)

- Points out goals, strategies and possible measures to reach the climate protection targets
- Addresses goals regarding security of supply, cost certainty, climate protection, regional added value and the commitment of citizens

Task force

Kick-off workshop ‘Sustainable DH systems in Baden-Württemberg’

- Invitation directly by the Ministry of the Environment, 36 participants from different stakeholder groups: Local communities, DH suppliers, utilities, planners, consultants, etc.
- Collection of 57 barriers and solutions for the improvement and development of the situation of RES DH systems in Baden-Württemberg



Workshop in Stuttgart on 2nd July 2015

Main barriers

- Lack of availability of nearby land areas for RES DH installations
- Difficult acquisition due to current low fossil fuel prices (economics)
- Lack of legal drivers for the market expansion of RES DH
- Lack of knowledge by planners
- Lack of municipal heat planning



'Forum Solare Wärmenetze' in Stuttgart on 11th and 12th of May 2016

Lack of availability of nearby land areas

Workshop at Ministry of the Environment

with Ministry of Agriculture, ST companies, nature conservation organisation, utility, etc.

- Availability and quality of required land areas
- Technical, ecological and legal aspects
- ⇒ Start of process to improve e.g. planning and approval procedures
- ⇒ Suitable and affordable land areas are needed for RES DH installations



Workshop in Stuttgart (April 2016)

For realizing RES DH systems the following steps have proven effective

- Systematic screening of land areas
- Early involvement of authorities, citizens and stakeholders
- Development of ecological utilization concept for the used land area

Current status ...

Information materials

- Materials for mentioned barriers (Project SolnetBW, www.solnetbw.de), e.g. guideline on planning and authorization, guideline on funding and financing

Quality and competence

- To increase quality and efficiency of RES DH the program 'Energieeffiziente Wärmenetze' funds since Feb 2016:
 1. Municipal climate protection concepts (e.g. energy planning)
 2. Regional initiatives promoting RES DH and giving advice
 3. RES DH investments linked to advanced quality criteria
- Creation of competence centre 'district heating' at the Climate Protection and Energy Agency Baden-Württemberg (KEA)

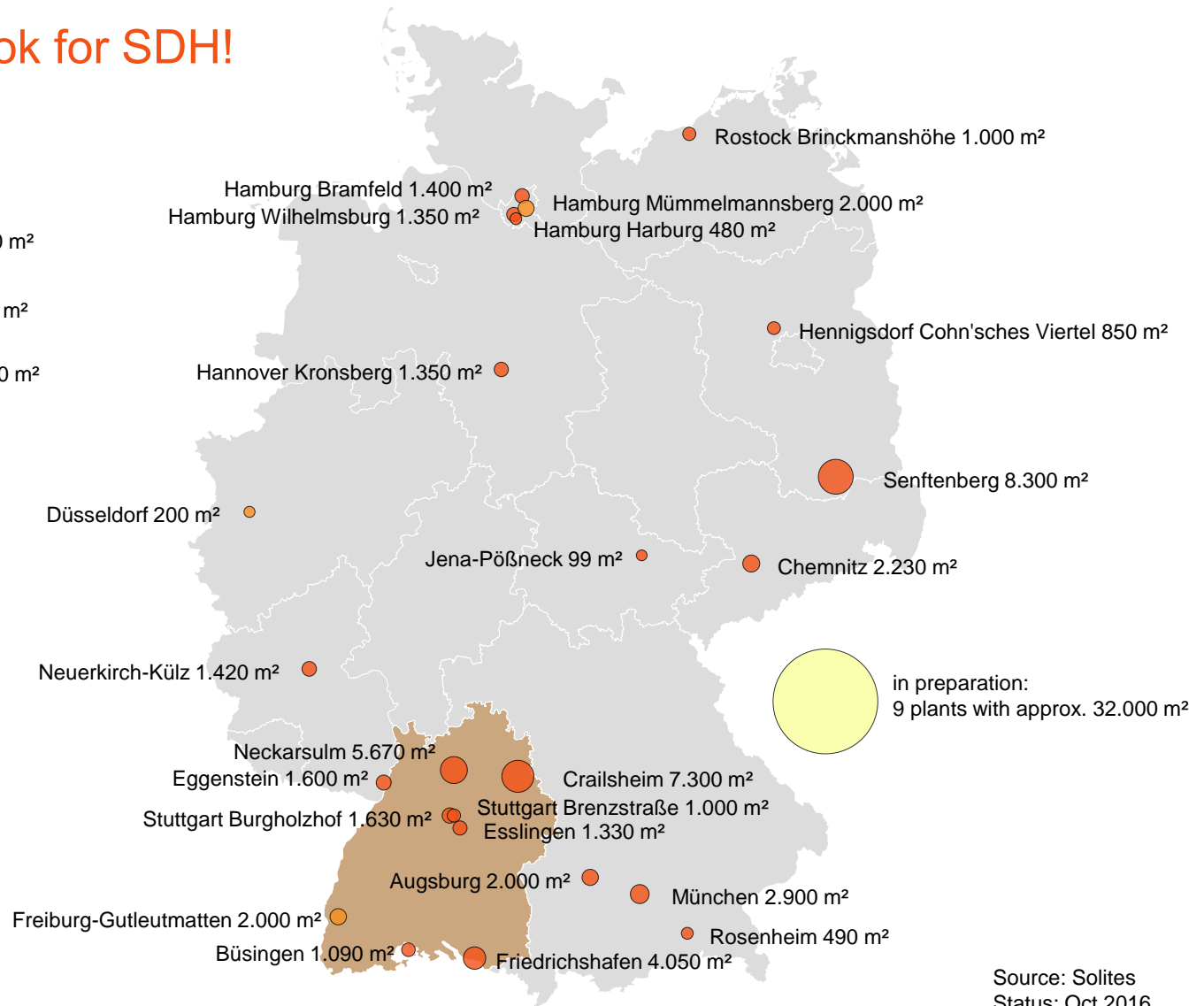


Baden-Württemberg

MINISTERIUM FÜR UMWELT, KLIMA UND ENERGIEWIRTSCHAFT

... and outlook for SDH!

- in operation:
approximately 47.500 m²
- in planning:
approximately 4.200 m²
- in preparation:
approximately 32.000 m²



Source: Solites
Status: Oct 2016

Conclusions and recommendations for initiating more projects

- Address stakeholders (municipalities, cooperatives, etc.) with specific information
 - Find a person promoting the project locally ('leading goat')
 - Solve the land area question, an ecological utilization concept can help
 - Take an experienced planner
- ⇒ And everything is going to be alright ... mostly!

Contact details

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Website

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DE project partners



Supported by



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