

CODE2

**Cogeneration Observatory
and Dissemination Europe**



Workshop Germany

*Deliverable D.4.2 – Workshop Report
09/09/2013*



Co-funded by the Intelligent Energy Europe
Programme of the European Union

1. Summary of the workshop:

- Title “Expert Workshop on a CHP Roadmap for Germany “
- Location: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety, Berlin
- Date: 9 September 2013
- Participants: 30 personally invited experts from policy, industry and science – see Annex 1
- Chair: Dr. Jan Mühlstein
- Program: see Annex 2

2. Introduction

The workshop has been conducted under the CODE2 project as an essential element for the development of a CHP roadmap for Germany as one of seven pilot countries.

Preparation and execution were supported by Laurenz Hermann, Berlin Energy Agency, and Dr. Jan Mühlstein, E & M Verlagsgesellschaft (Moderator).

Of the invited 50 experts from ministries, companies, CHP related associations and academic institutions 30 took part (see list of participants in Annex 1).

The task of the workshop was to discuss an abridged German language version of the draft German CHP roadmap, this version having been sent out to all invited experts four weeks before the workshop. The abridged version contained also some modifications related to the first official English version (D2.3 First draft of final CHP roadmap GERMANY - May 2013) which had been discussed in 17 detailed interviews with experts in June and July 2013. Based on these experts’ interviews some modifications of the roadmap had been regarded as useful, the main elements of the first version staying unchanged. After the discussions and interviews, the workshop was a major element to the involvement of government departments, industry and science in the development of the roadmap.

2

3. Main conclusions

As in the previous detailed expert interviews, the proposals on the roadmap have been mostly positively received in the workshop. The lively, constructive discussion showed strong interest. In the plenary and group discussions (see program) the draft Roadmap elements including the major barriers against CHP, the resulting strategic consequences and other challenges to be considered as well as the more detailed proposed measures have been largely confirmed, whereby also critical positions have been discussed.

The results of a questionnaire based survey regarding CHP awareness and knowhow in relevant target groups made in the frame of 17 detailed experts interviews has been noted and discussed with special interest. It indicated strongly that for important customer, market and influencer groups there is still a lack of awareness and information on CHP. This lack extends to relevant parts of the municipal policy administration.

The **main barriers** identified before and confirmed in the workshop are:

- Lack of information and awareness
- Lack of attractiveness and safety for new CHP plants in the energy sector, low electricity prices at the power exchange
- Inhibiting regulatory environment (Tenancy law, residential property law, rules for connection to the power grid, network charges, income and sales tax issues)
- CHP support system too complicated for private households

The main **strategic consequences** and other challenges to be considered are:

- Strengthen information and know-how to CHP
- Strengthen economic incentives and increase security of investment
- Strengthen implementation of CHP by energy services (contracting)
- Adjust regulatory environment and CHP promotion with regards to micro CHP in households

The **proposed measures** are:

1. Start of a long and wide-ranging information campaign on CHP, jointly carried by the Federal government, associations and companies.
2. Training and certification programs on CHP for planners, installers and consultants.
3. Adaptation of CHP law and RES law. Particularly CHP should be rewarded for its contribution to security against the background of growing amounts of fluctuation power from wind and solar energy.
4. CO2 limits for new heating systems. This would make transparent that the climate protection goals can only be reached with a forced shift to cogeneration.
5. Municipalities to be obligated to draw up standardized and simplified local heat and cold supply concepts according to the EU Energy Efficiency Directive.
6. Supporting of CHP by energy services (contracting), in particular equal treatment of cogeneration contracting with autoproduction.
7. Systematically check and adjust regulatory environment of the CHP: therefore creating a special task group consisting of participants from policy, industry and science.

3

4. Creation of a permanent working group for accompanying the CHP Roadmap implementation

The proposed measures are far-reaching and require further discussion, possibly modification and specification. In the draft roadmap it has been proposed to form a working group under the auspices of the Federal Government and with participation of the topic related organizations and scientists. It would be mandated to develop concrete proposals for policy and economy.

Several participating institutions and experts declared their support for and involvement in a CHP working group. A significant involvement of politics in the working group is considered important. The outcome of this working group will be recommendations. Essential to the role of

the WG as an advisory body for policy and economy in any case would be the quality of the suggestions worked out, based on a dedicated collaboration of organizations and scientists.¹

5. Main lessons learnt

The workshop was successful with regards to

- participating experts
- support of politics
- quality of presentations and discussions
- substantial results.

Crucial for the success were:

- the explicit support of the Ministries of Environment and Economics, concretised by the facts that the workshop took place in a Ministry (Environment) and presentations were given by representatives of both Ministries. This led to a good presence of high level experts;
- the early involvement of associations, scientists and company experts in the detailed interviews;
- the early save-the-date mailing 2 months before the workshop;
- the early send-out of the invitation with an agenda and a shortened draft roadmap as discussion template 4 weeks before the workshop;
- invitation of well-chosen high quality experts from different CHP related areas only; therefore the long-term existing personal contacts were of course very useful;
- 30 persons was a good meeting size with regards to representation of relevant groups on the one hand and workability on the other hand;
- professional check in at the entrance, reception by 2 specially hired students, hand-out of prepared name badges and participants lists; some available reserve prints of the discussion paper (draft roadmap);
- no seminar appearance; all participants were elected CHP experts;
- well known and neutral expert as moderator (journalist);
- 3 breakout sessions by main CHP usage areas heat grids, industry and other on-site-installations ("object CHP"); each with around 10 persons; discussions chaired by prepared experts.
- breakdown discussions by using corkboards and carton tags and thick marker pens.

With regard to limited time and the nature of the workshop there was **no visit of a CHP site**.

¹ From the CODE2 project team it has been asked for more details regarding the operating of the working group. These have not been discussed in the workshop. Preliminary considerations are: Participation of members of the theme-related parliament committees and Ministries, relevant associations (use areas, fuels, and technologies), some scientists & advisors with special CHP knowledge, chairing by an officer of the responsible Ministry, administration & preparation of the meetings and the outcomes by a consultant to be commissioned by the leading Ministry. In the start-up meeting to be defined: working and decision taking rules, work program and schedule.

6. Further steps planned after the workshop

- Report on the workshop to participants and other interested
- Preparation of the final roadmap
- Discussion of the roadmap with politicians and ministries; considering useful further steps with the aim of setting up a permanent CHP working group.
- Presentations of the roadmap at various conferences
- Publication in several journals
- Organization of conferences.

For more details see the comprehensive report on the workshop including all presentations and documentation of the discussions (in German only).

Berlin 20.11.2013 Adi Golbach