

SmartReFlex – Project Meeting Kolding

Experiences in Schleswig-Holstein

Anna Rohwer

Ministry of Energy, Agriculture, the Environment and Rural Areas
Schleswig-Holstein

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„Energiewende“ in Schleswig-Holstein

reduction of greenhouse gases



-40% until 2020

80-95% until 2020

„Energiewende“

Goals:

2020 / 2025 / 2030

2050

share of renewable energies in
 electricity

37 TWh until 2025

44 TWh until 2030

- Is more than the substitution of nuclear power
- is a task for the whole society
- Restructuring of the electricity, the heat and the transportation sector

„Energiewende“ in heating sector

Goals and Strategies:



- Phased out fossil fuels in heating sector until 2050
- Reduce consumption of heating energies by 50% until 2050 (mainly by restoration of buildings)
- Increase use of renewable energies in heating sector to 22% of consumption in 2025

Activities of Schleswig-Holstein

- Support, guidance, networking and call for tenders in the field of climate protection and energy transition on local level
- Initiatives on federal level for realising goals and strategies

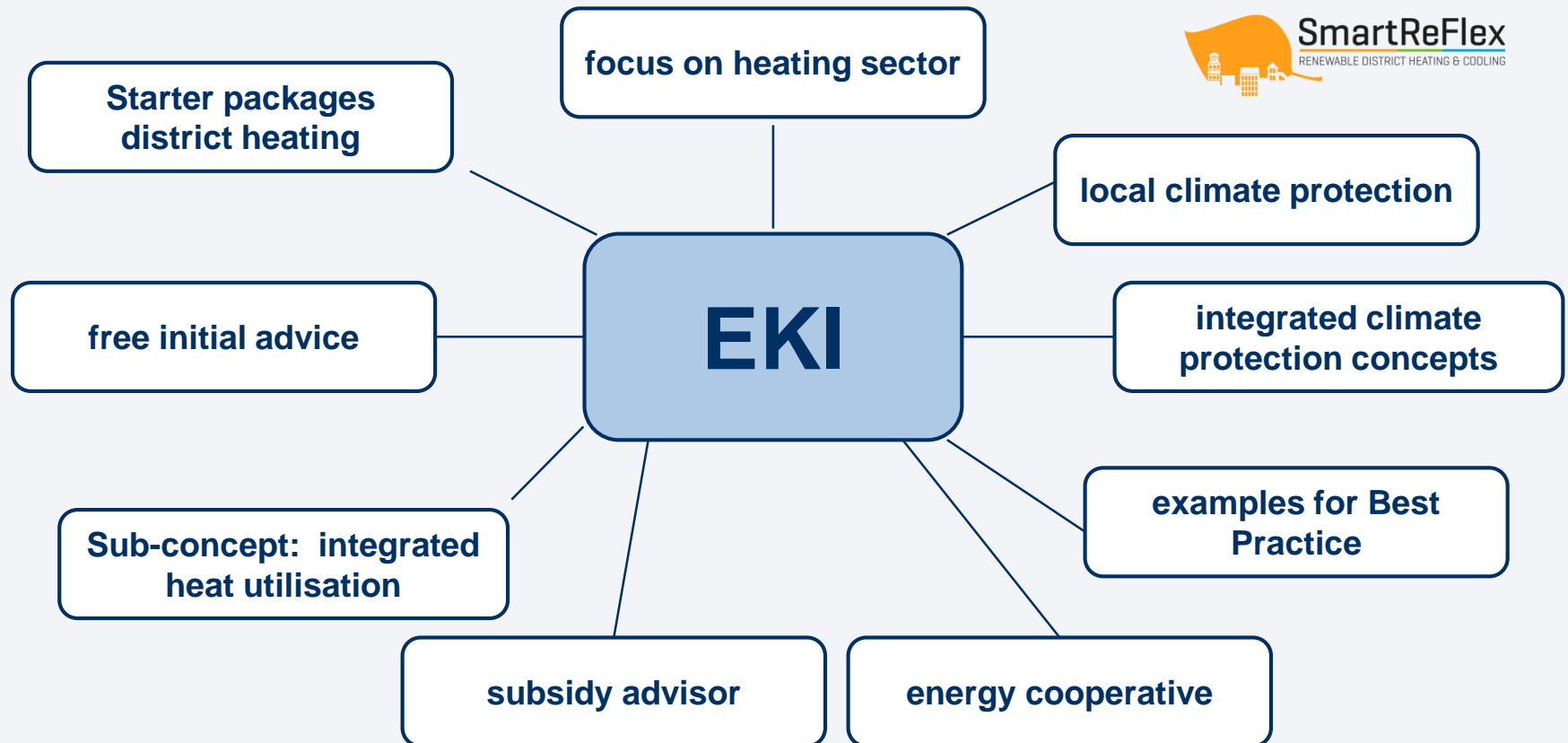
“Energiewende” and Climate Change Act: Objectives

- **Setting of the climate protection goals in Schleswig-Holstein**
- **Role of the state government - Leading by example**
 - Electricity and Heating supply free of CO₂ till 2050,
 - Improved thermal standards for energy renovations of state-owned buildings,
 - Development of climate protection strategies for construction, procurement, Green IT and mobility.
- **Heating sector - Support for local climate protection activities**
 - Improvement of the legal basis of data collections for local thermal designs,
 - Increase transparency of the district heating supply,
 - Strengthening local climate protection concepts.



Source: Onlinemagazin EKS AG

Energy- and climate protection initiative



Energy- and climate protection initiative



free initial advice

- starting in November 2014
- more than 60 consulting services
- spreaded over the whole area of Schleswig-Holstein

SmartReFlex Workshops

- **4 SmartReFlex Workshops (in cooperation with EKI)**
 - Design and planning, mapping of heat demand
 - Technical possibilities of implementing district heating
 - Financing district heating (for operator / planer)
 - Financing district heating with solarthermal (for financial institutions)
- The workshops based on each other. There has been a constant group of participants who joined all the workshops.
- **Benefits for Schleswig-Holstein**
 - networking with market participants from Denmark
 - getting knowledge about the technical and legal framework in Germany and Denmark
 - possibility for common projects in Schleswig-Holstein
 - sharing ideas and solutions for different district heating systems



Thank you for listening!

Ministry of Energy, Agriculture, the Environment and Rural Areas Schleswig-Holstein
Unit V 60 „Climate protection, „Energiewende“, innovation subsidies, renewable raw materials“

Anna Rohwer, Tel.: 0431 988-8848, Mail: Anna.Rohwer@melur.landsh.de

“Energiewende” and Climate Change Act: time schedule

- **April 2013:** the state parliament (LT-Drs.18 / 750 of 17.4.2013) orders the state government to prepare the topics and the timetable for an “Energiewende” and climate change act (EWKG).
- **Dec. 2014:** report to the state parliament with key points and timetable (LT-Drs. 18/2580)
- **Dec. 2015:** Cabinet decides draft bill and starts the hearing of associations
- **July 2016:** Second Cabinet Decision and transfer to the state parliament (LT-Drs. 18/4388)
- **Sept. 2016:** Environment and Agriculture Committee decides to hold a written hearing until 4.11.
- **Becoming effective:** Depending on the further consultation procedure in the state parliament

