



# Energy Efficiency in DH sector- the Code of Practice

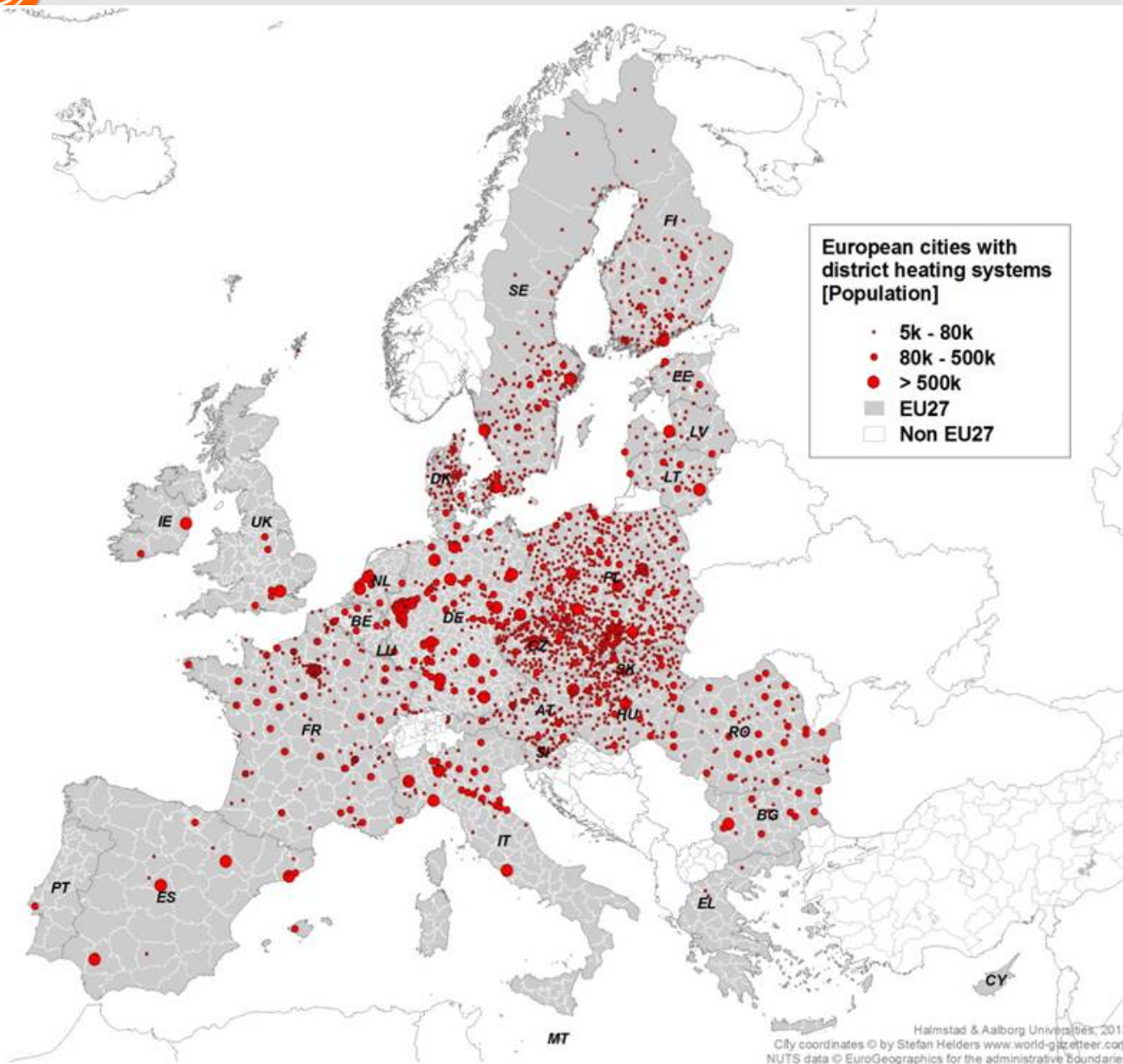
European Energy Policy- Challenges for Serbia with the  
EU Accession Process, Belgrade 20 February 2014

Maria Grajcar

**HEATING | COOLING | CHP**

- » **AGFW** is the independent and impartial association promoting energy efficiency, (district) heating, cooling and CHP at national and international levels
- » **AGFW** reunites round about 500 (regional und municipal) district energy suppliers and industrial operators of this industry in Germany and Europe
- » **AGFW** represents over 95 % of the heat load connected to German district heating systems – the largest scale in Western Europe (The district heating connected load in Germany is approximately 57.000 MWth).
- » **AGFW** means over 40 years of experience in this field





## » What does „compilation of the Code of Practice“ imply?

The AGFW Acknowledged Technical Guidelines are the result of a **continuous** cooperation of a multitude of voluntary employees from the public utility companies and the full-time employees of the association.

### Some facts:

- » Approximately **1,000,000.00 EUR** worth of underlying technical expert reports
- » **About 10** employees of the AGFW office in „Engineering and Standardization“ as well as „Organizational and Operational Safety“
- » **About 700** employees from public utility companies are organized in **50 committees** for the generation of the technical guidelines and the standardization

A diagram showing the structure of the Code of Practice, consisting of seven horizontal bars of varying lengths, stacked vertically. The bars are color-coded: the top bar is orange, the next three are yellow, and the bottom two are red. Each bar contains text representing a main field of the code. The bars are slightly offset to the right as they descend, creating a cascading effect. A large, faint, light gray circular graphic is visible in the background, centered behind the bars.

district heating in general

heat metering and billing

heat generation

heat distribution

customer installations

qualification requirements

operational safety and security

## » Why technical guidelines

### » Where we started - our Target:

Technical self-administration of the sector as the basis of lobbying activities.

### » Our interest:

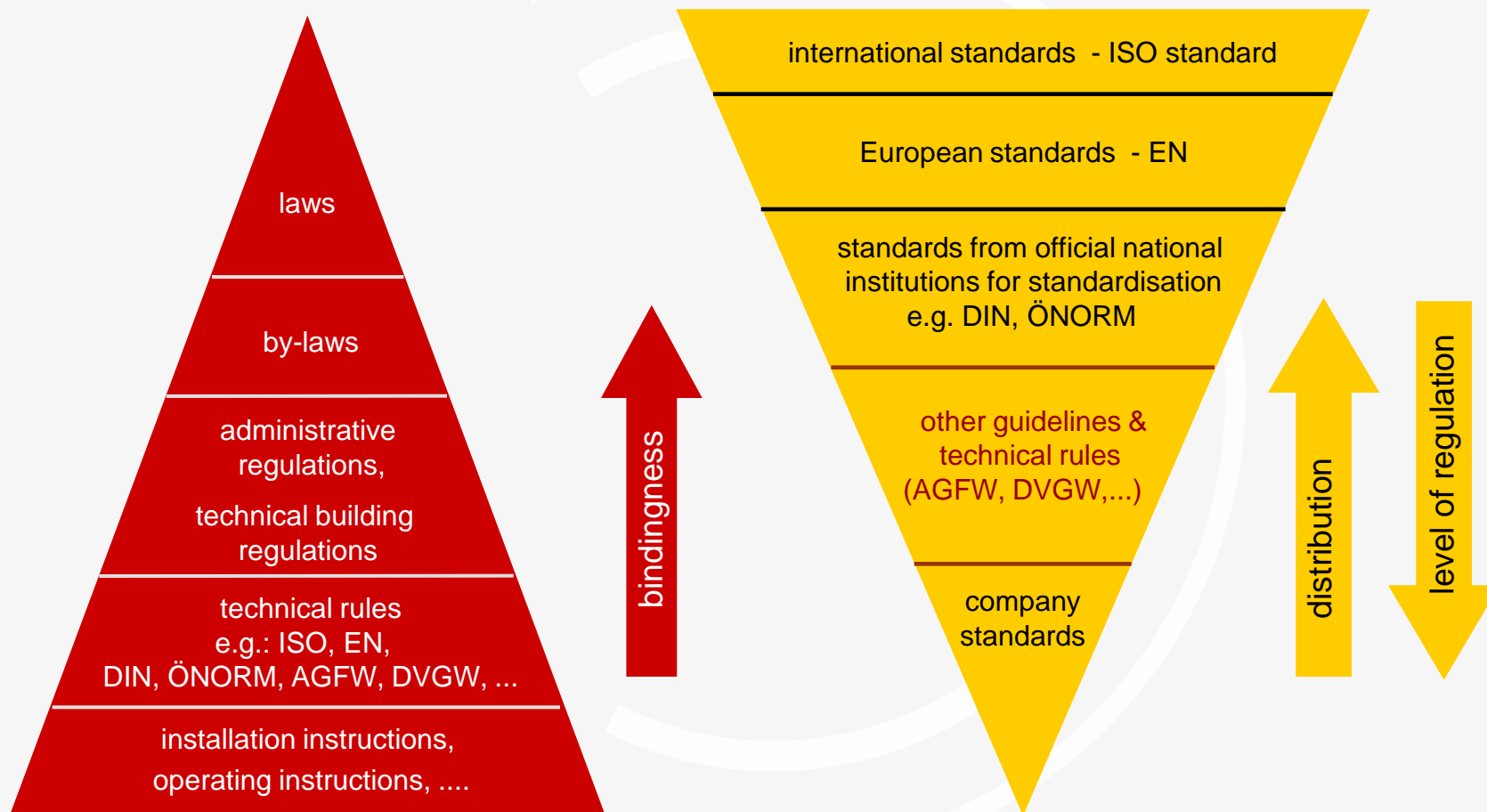
Politically driven regulation and standardization is open to diverging interests from different groups, which is detrimental to finding objective, technically sound and purpose-driven solutions.

Processes get longer, bigger and harder to administrate, consuming sparse resources.

The sector should therefore retain its technical self-administration, experts should be involved in the technical work, free from external influence as much as possible.

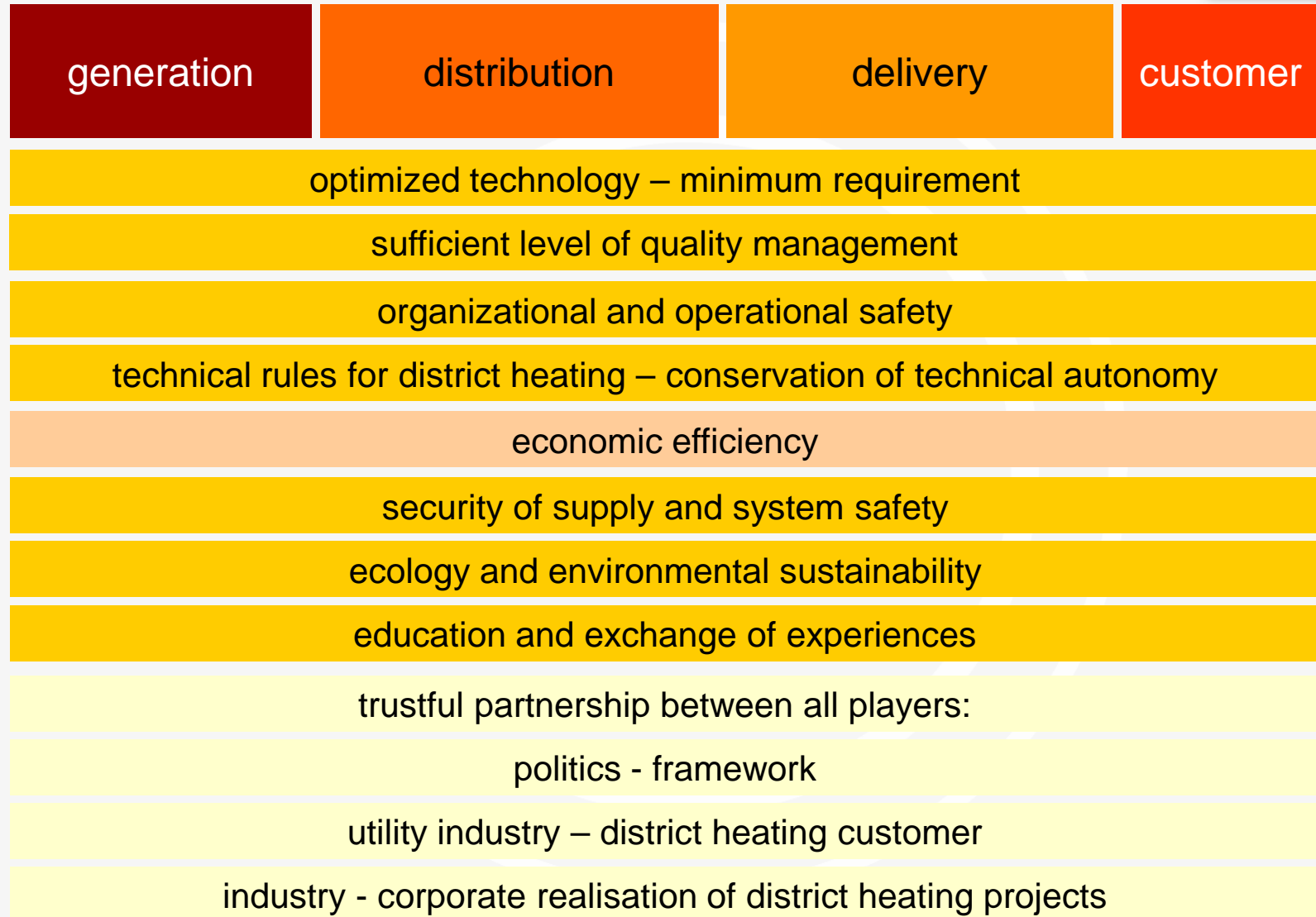
### » Our solution:

Lobbying activities should aim to retain the technical self-administration of the sector.

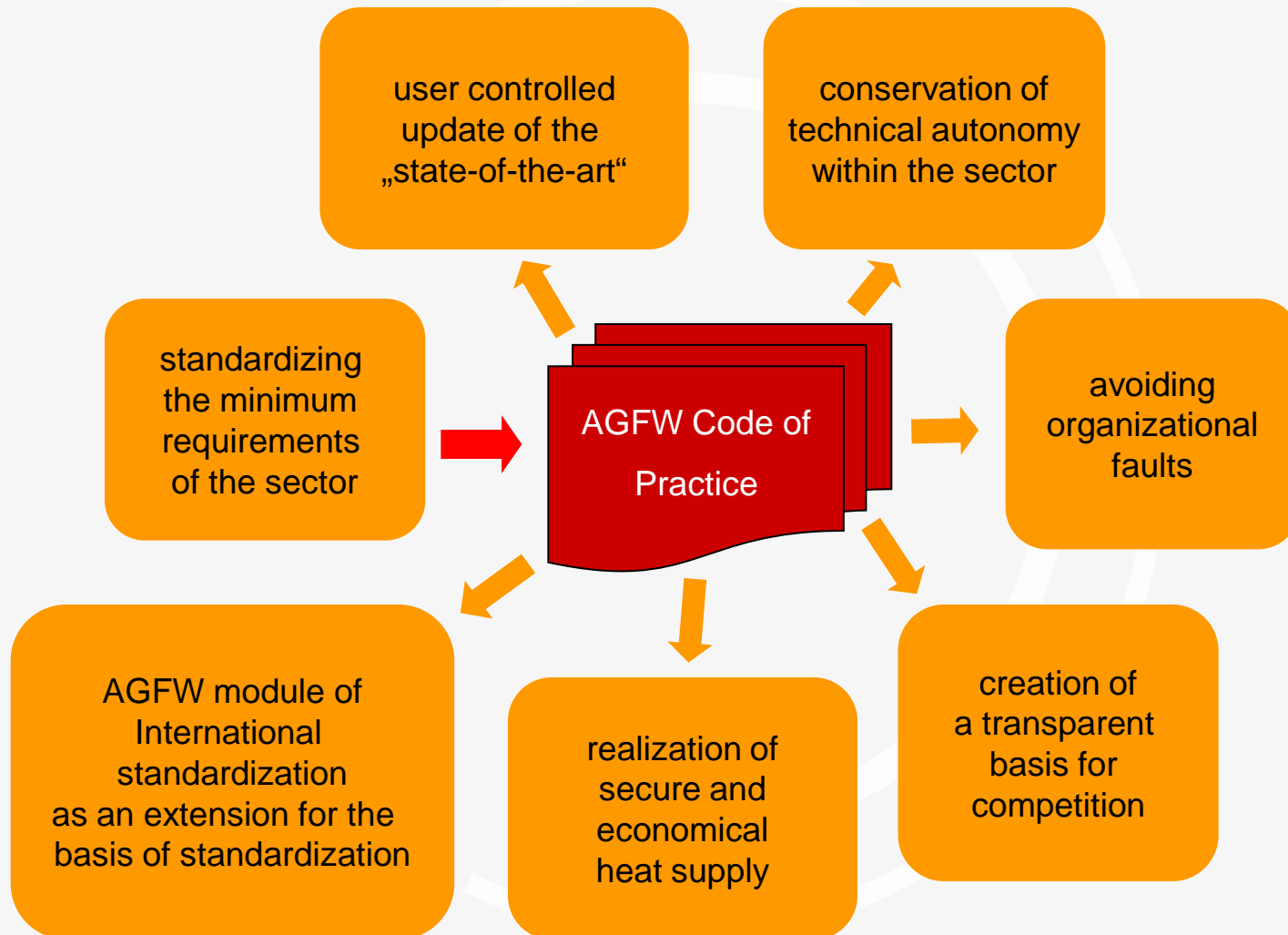




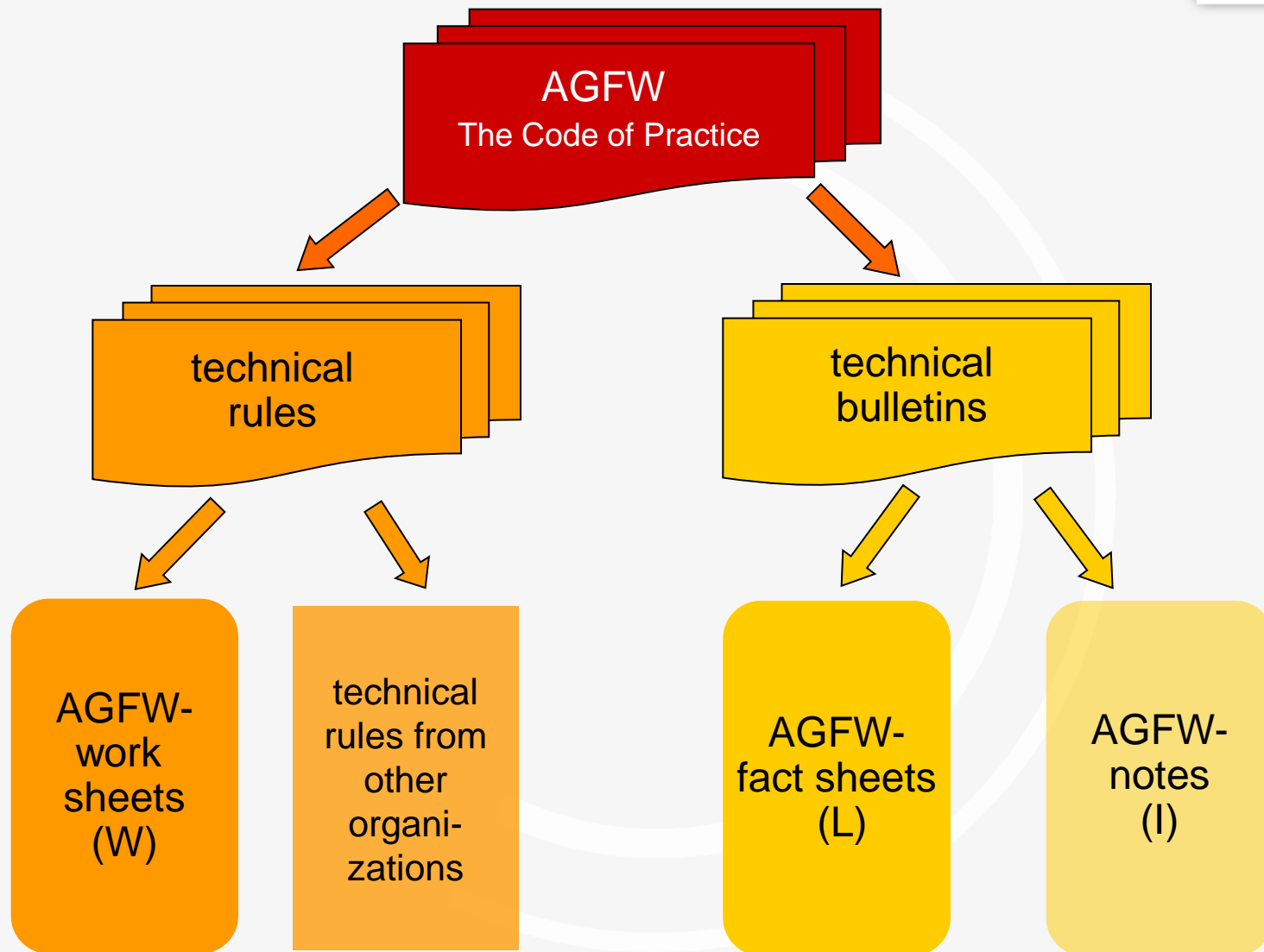
## » Framework – Process Chain District Heating

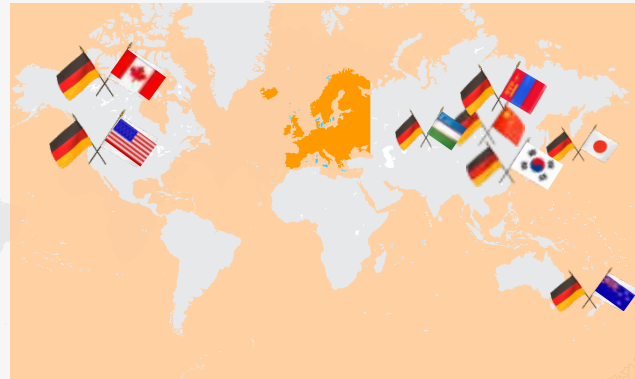


## » The Technical Guidelines - Idea



## » The Technical Guidelines - Structure

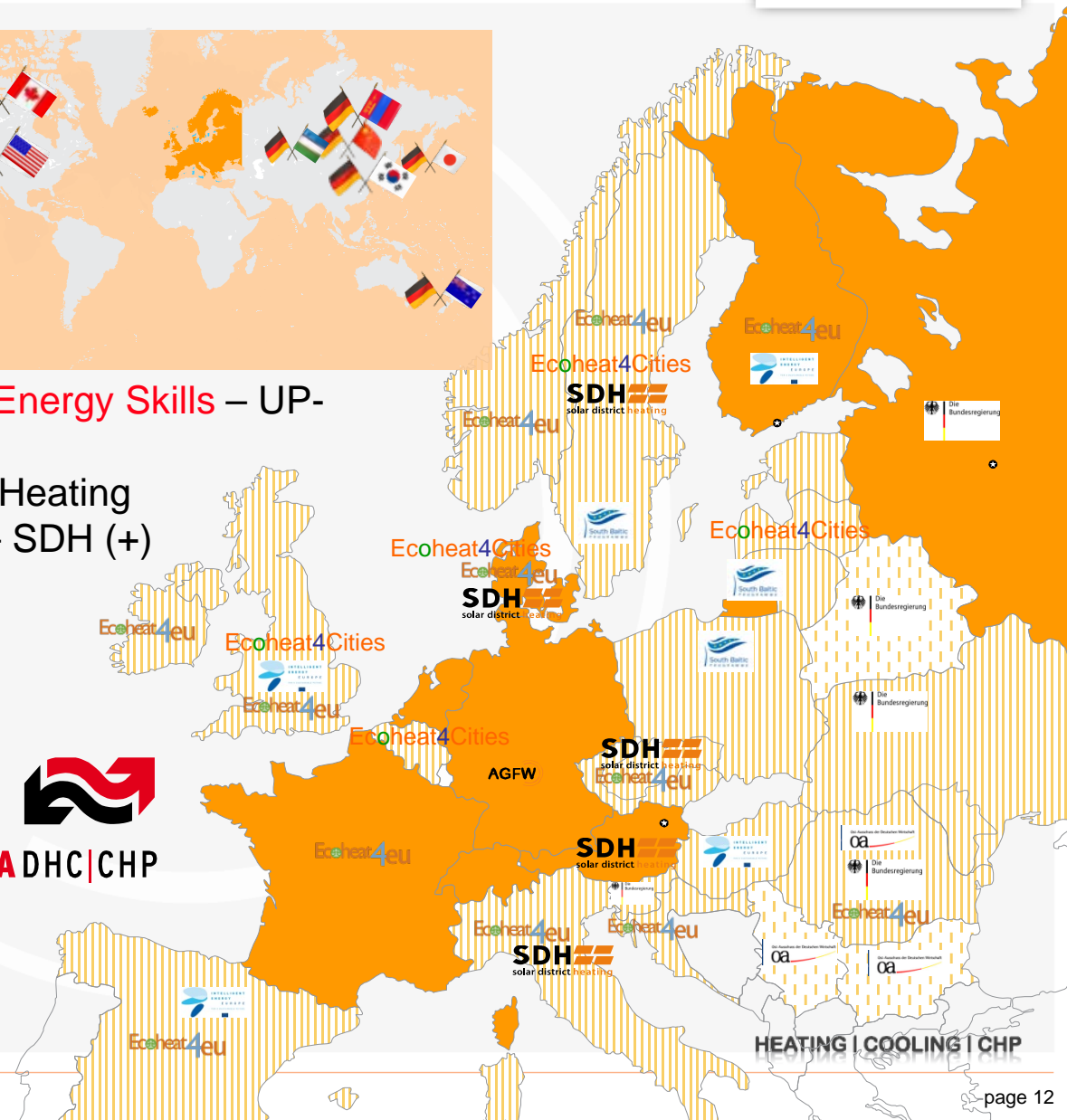




## » Urban Planners with Renewable Energy Skills – UP-RES

- » Innoheat – Innovation for District Heating
- » Solar District Heating in Europe – SDH (+)
- » Ecoheat4EU
- » Ecoheat4cities
- » Renewable Smart Cooling for Urban Europe (RESCUE)

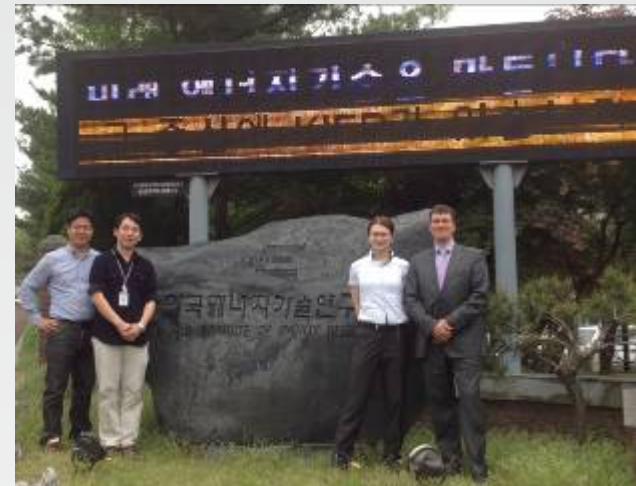
- » IEA Operating Agent
- » IEA Task Shared Annex
- » EhP Technologie Plattform
- » Ost-Ausschuß (OA)
- » GIZ



## International Code of Practice



## International Projects



## International Joint-Ventures



## International Training Programms





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Many thanks for your attention!