

Setting the scene *Heating in the European legislation*

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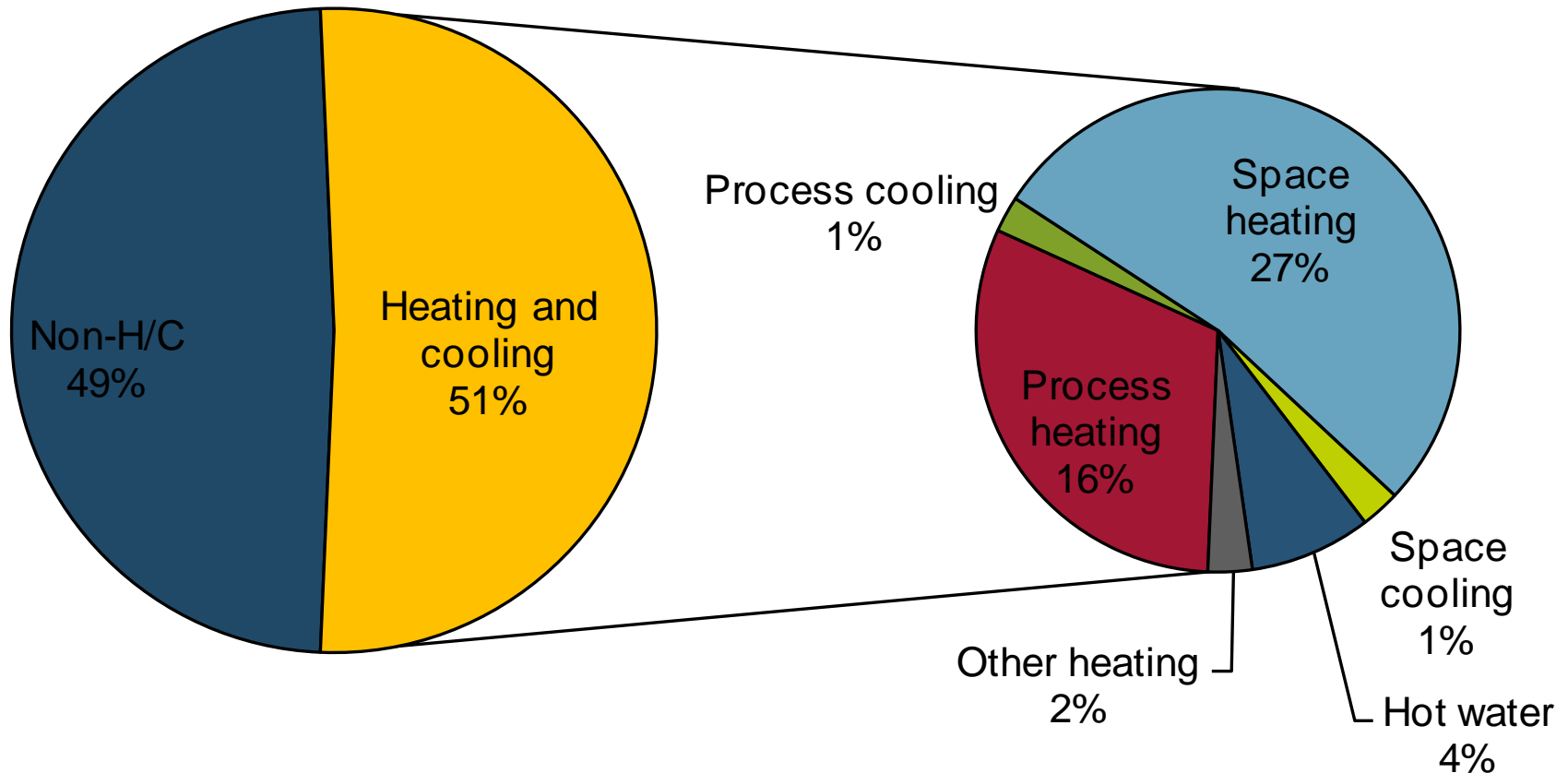
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The share of heating in total European energy demand

- Around **half** of Europe's energy demand is for heating
- **75%** of heating is provided by fossil fuels



European legislation driving the heating transition?

DIRECTIVE 2010/31/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL
of 19 May 2010
on the energy performance of buildings
(recast)

DIRECTIVE 2012/27/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL
of 25 October 2012
on energy efficiency, amending Directives 2009/125/EC and 2010/30/EU and repealing Directives
2004/8/EC and 2006/32/EC
(Text with EEA relevance)

DIRECTIVE 2009/28/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL
of 23 April 2009
on the promotion of the use of energy from renewable sources
repealing Directives 2001/77/EC and 2001/78/EC
(Text with EEA relevance)



Brussels, 16.2.2016
COM(2016) 51 final

COMMUNICATION FROM THE COMMISSION TO THE EUROPEAN
PARLIAMENT, THE COUNCIL, THE EUROPEAN ECONOMIC AND SOCIAL
COMMITTEE AND THE COMMITTEE OF THE REGIONS

An EU Strategy on Heating and Cooling

{SWD(2016) 24 final}

Energy Performance of Buildings Directive

Energy Efficiency Directive

Renewable Energy Directive

Communication: An EU Strategy on Heating and Cooling

The Clean Energy Package – major revision of European legislation



Energy Performance of Buildings Directive

Energy Efficiency Directive

Renewable Energy Directive

Communication: An EU Strategy on Heating and Cooling

The Energy Performance of Buildings Directive

On December 19th the European Council, the European Parliament and European Commission reached a provisional political agreement



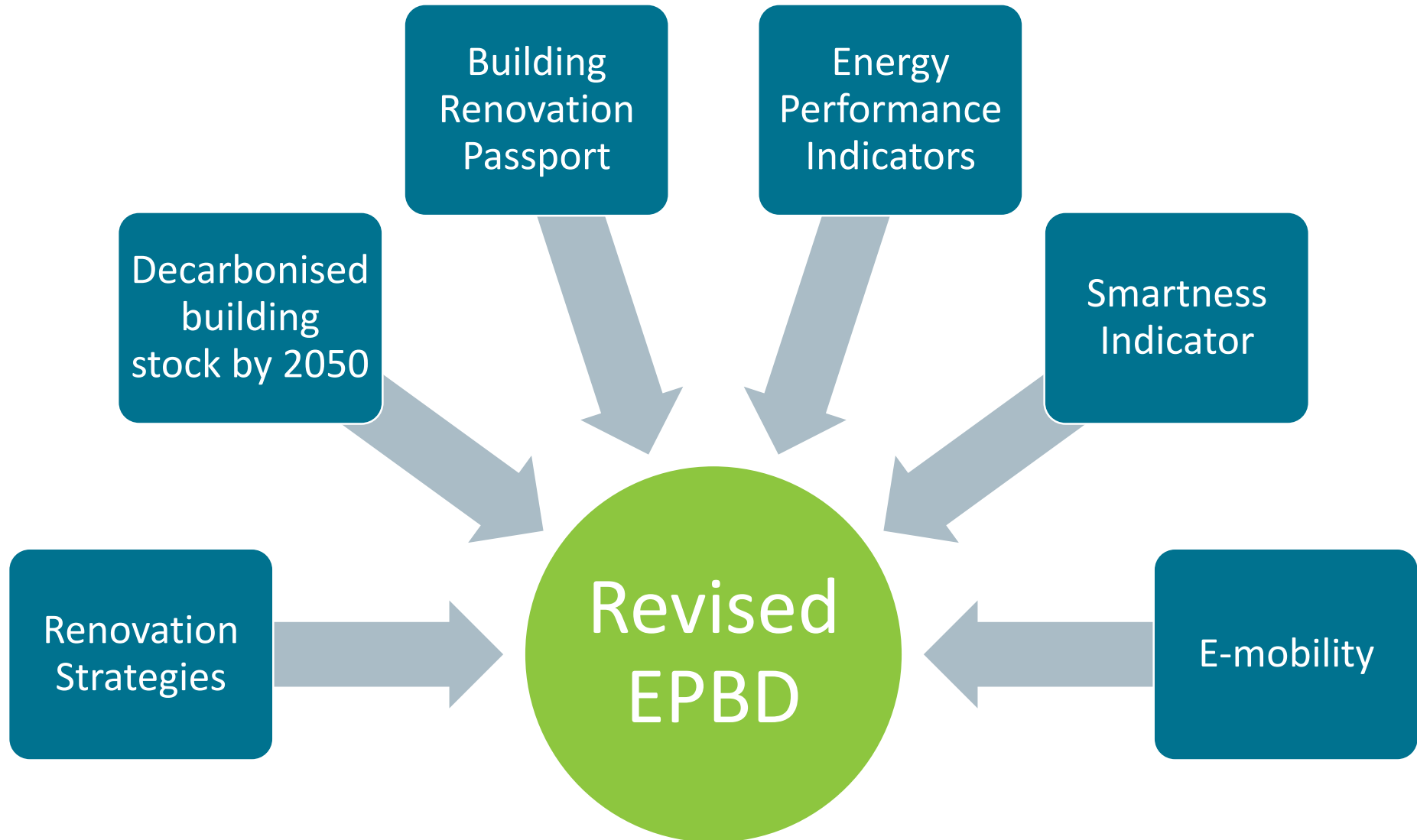
Formally approval by both the Council and the EP

Technical trilateral meeting on January 19th to finalise the text

Final text probably available next week

Approval EP and Council probably in January/February

New topics in the revised EPBD



Art. 2a Long-term renovation strategies

- Highly efficient and decarbonised building stock by 2050: 80-95% less emission
- Indicative milestones for 2030 and 2040 and measurable progress indicators
- Focus on renovation of worst performing buildings, deep renovations and public buildings
- Voluntary energy performance databases for data collected through EPCs
- Provide access to financing assistance
- **Address issues such as health and air quality**



The smog of Warsaw

Why 33 of the 50 most-polluted towns in Europe are in Poland

Burning coal is patriotic, says the government

The Economist



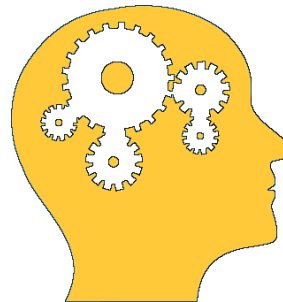
DEEP AND QUALITATIVE RENOVATION

DATA GATHERING

ON-SITE AND OFF-SITE

- General Information & Administration
- Building construction information
- Building energy performance
- Building operation & use
- Smart information

PROCESSING



BUILDING RENOVATION PASSPORT

RENOVATION ROADMAP

- Renovation in a sensible order and packages
- Comprehensive audit
- Long-term perspective
- Tailored to individual context

BUILDING LOGBOOK

- Inventory of information
- Manage and monitor real time energy consumption
- Linking building owners & third parties

Review on RES & EE directives

- **In February the triologue negotiations will start on the following legislative files**
 - Energy Efficiency Directive (EED)
 - Renewables Directive (RED)
 - Energy Union Governance Regulation
- **Discussion on the annual energy savings requirement in EED Article 7**
- **The EP positions itself more ambitious than the Council**
 - 35% energy efficiency target compared to 30%
 - 35% renewable target compared to 27%

Specific on heating and cooling in the clean energy package

*“In order to facilitate the penetration of renewable energy in the heating and cooling sector, each Member State **shall endeavour to increase the share of renewable energy supplied for heating and cooling by at least 2 percentage points** (pp) every year, expressed in terms of national share of final energy consumption and calculated according to the methodology set out in Article 7.*

Where a Member State is unable to achieve this percentage, it shall make public and provide the Commission with a justification for its non-compliance. Member States shall prioritise the best available technologies”

Negotiation topics in the RED review related to District Heating & Cooling

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DHC suppliers provide information to end-consumers on energy performance and the share of RES

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Customers are allowed to disconnect from the DHC if they are not efficient

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Definition of waste heat

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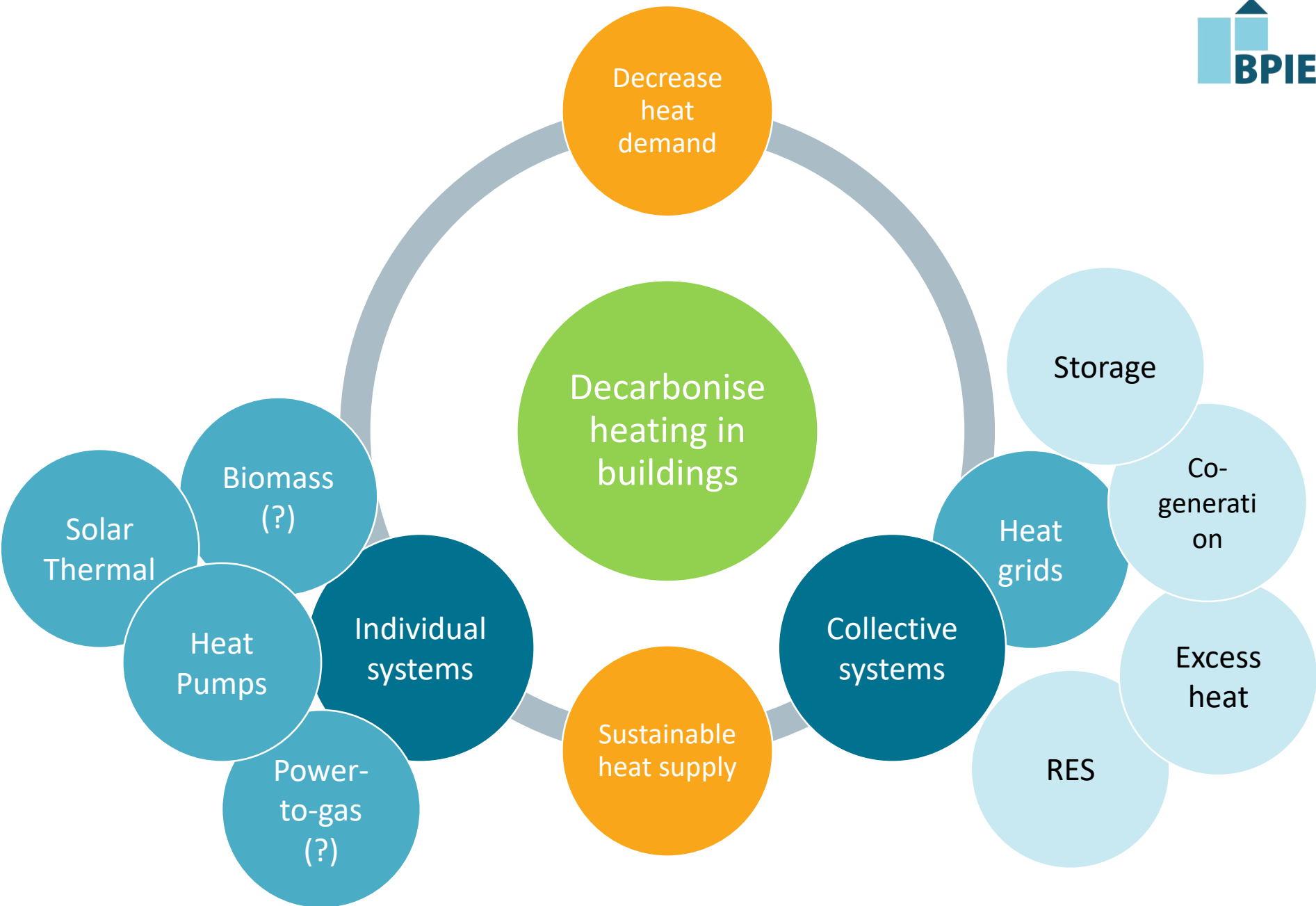
Local governments to include H&C from RES in the planning of city infrastructure

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Assessment of national potential of renewable energy sources and the use of waste heat

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Guidance to planners and architects to consider renewable energy sources, of high-efficiency technologies and of DHC





Thank you...

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