





Strategic Policy Priorities

Paris, 7 February 2017



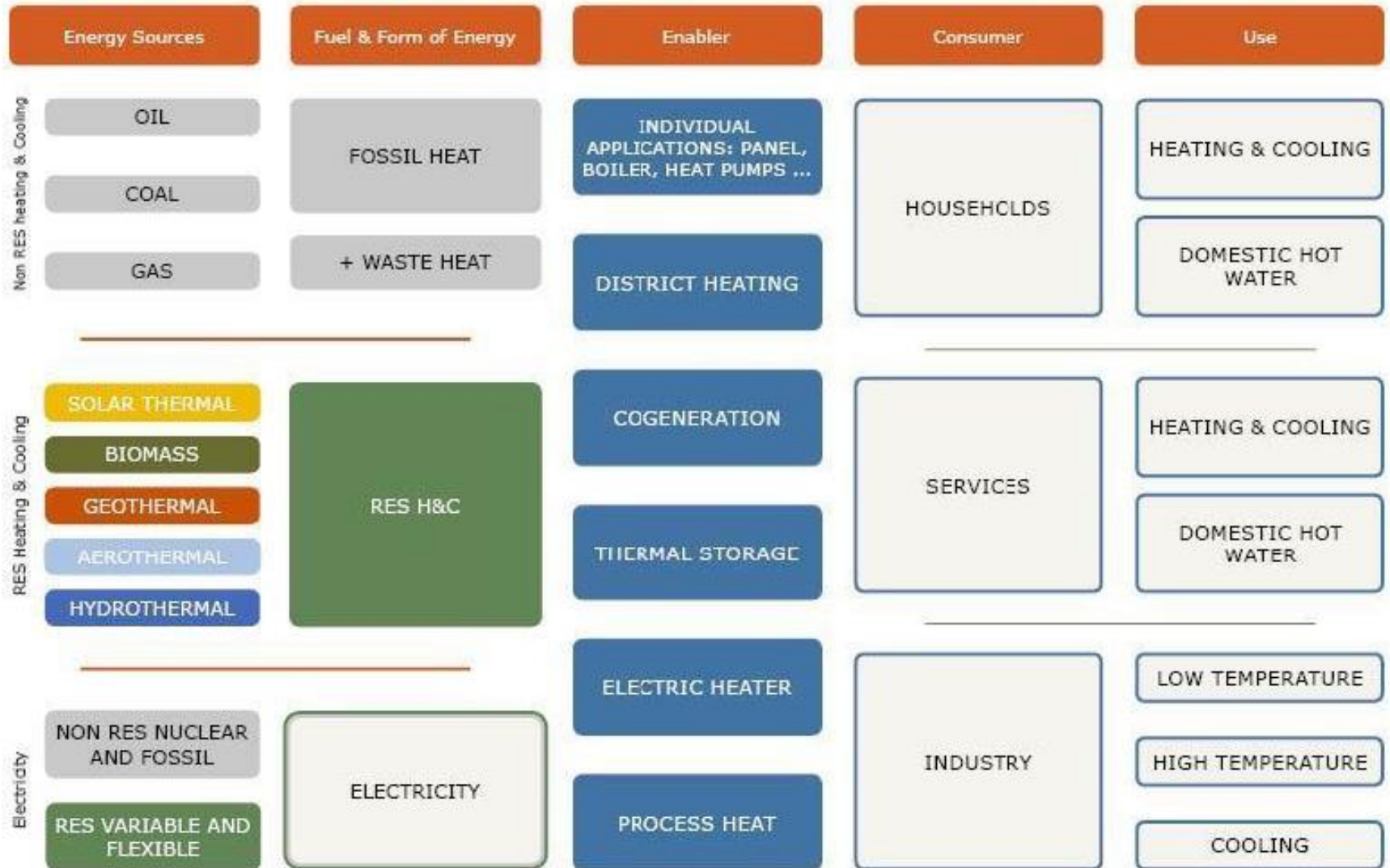
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- **Addressing the H&C sector**
- **Overview of results**
- **Strategic Policy Priorities**



MAP OF THE HEATING AND COOLING SECTOR



FRONT



Background

Need to understand RHC sector:

- Costs
- Potential
- Market

Need to understand H&C consumers:

- Needs & expectations
- Key decision factors

Need to identify best practices for RHC support policies:

- Evaluate existing schemes
- Identify key success factors
- Integrated approach to RHC sector

Objectives

- To support a **better insight** of the value of the **energy supplied by RHC** systems, promoting transparency and clarity towards end-users and other stakeholders
- To improve **the understanding of the end-users decision making process** with regard to heating and cooling systems in order to develop tailored approaches and facilitate adequate **measures enhancing the uptake of RHC**
- To facilitate the setting-up of **improved** and sustainable RHC integrated **support schemes**
- To promote the implementation at national and European level of **strategic policy priorities** that can contribute to efficiently and cost-effectively implement the NREAPs



FROnT Project Partners



Austrian Institute of Technology – AIT
www.ait.ac.at/



Instituto para la Diversificación y Ahorro de la Energía – IDAE
www.idae.es/



Creara s.l. www.creara.es/



NL Agency/ Agentschap NL
english.rvo.nl/



European Biomass Association – AEBIOM
www.aebiom.org



Polish National Energy Conservation Agency/ Krajowa Agencja Poszanowania Energii S.A. – KAPE
www.kape.gov.pl/



European Geothermal Energy Council – EGEN
www.egec.org/



Portuguese Energy Agency/ Agência para a Energia – ADENE
www.adene.pt/



European Heat Pump Association – EHPA
www.ehpa.org/



Quercus
www.quercus.pt



European Solar Thermal Industry Federation- ESTIF
www.estif.org/



The Energy Saving Trust- EST
www.energysavingtrust.org.uk/

Good practices for RHC support schemes

Policy makers , energy agencies

Online Tool to estimate RHC energy costs

End-users, residential sector

Market Facilitators

End users, EA, PA, TA, Industry

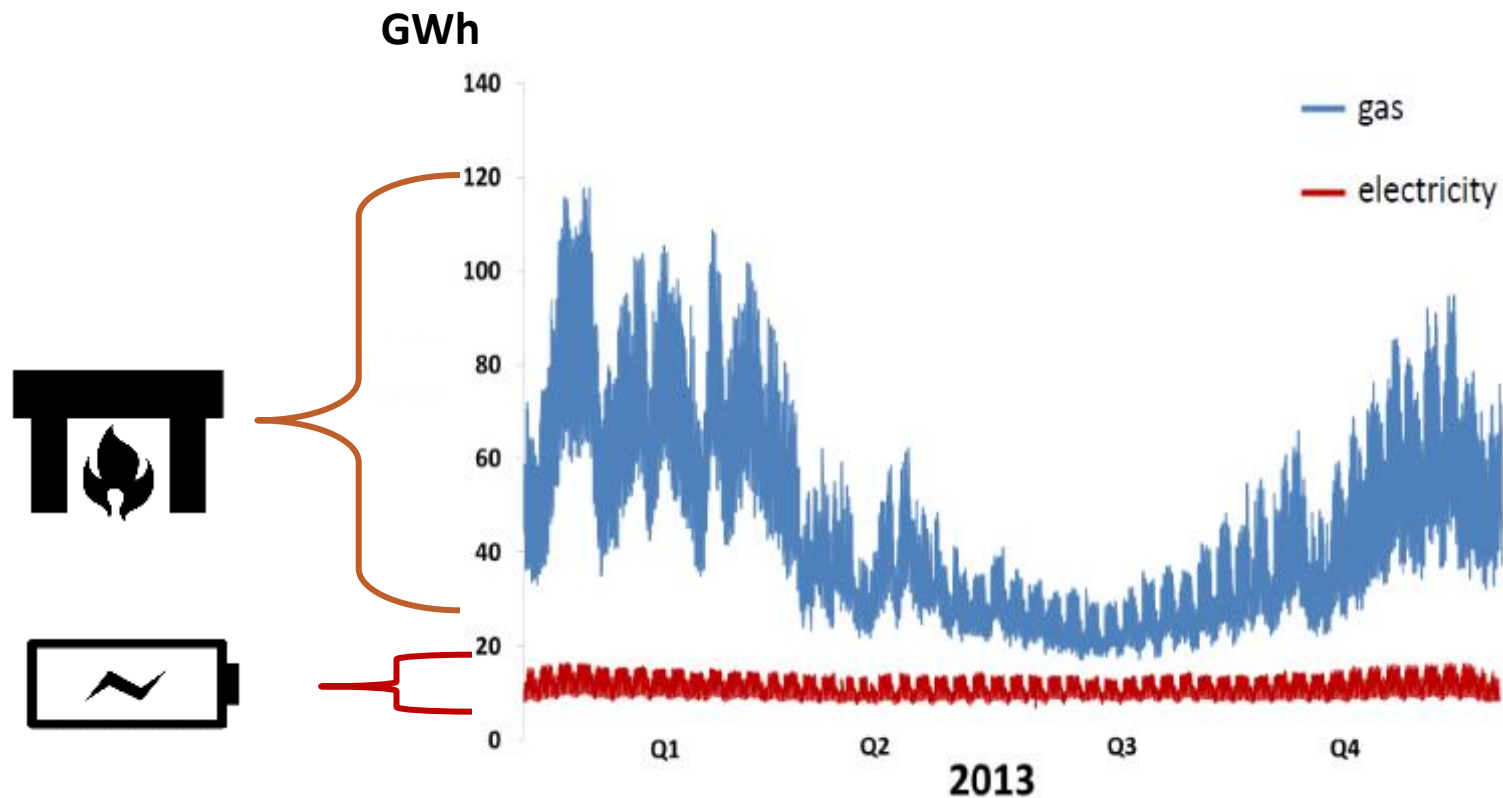
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Policy makers: EU, Nat'l & local



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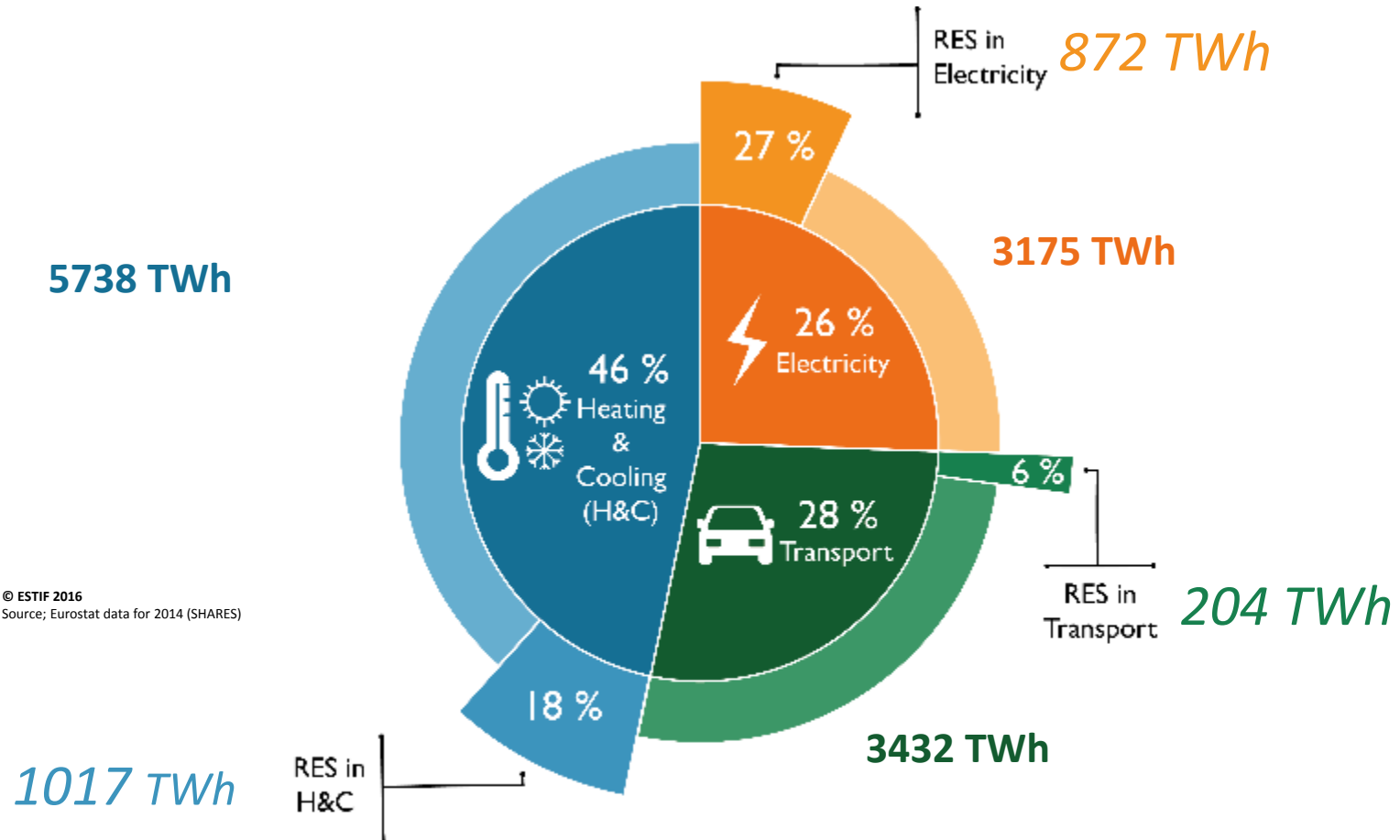
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Annual fluctuation of gas/electricity demand, The Netherlands, 2013. Source: GasNaturally.



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EU28 Sector's shares on total generation (inner ring)
& RES shares for each sector (outer) for 2014



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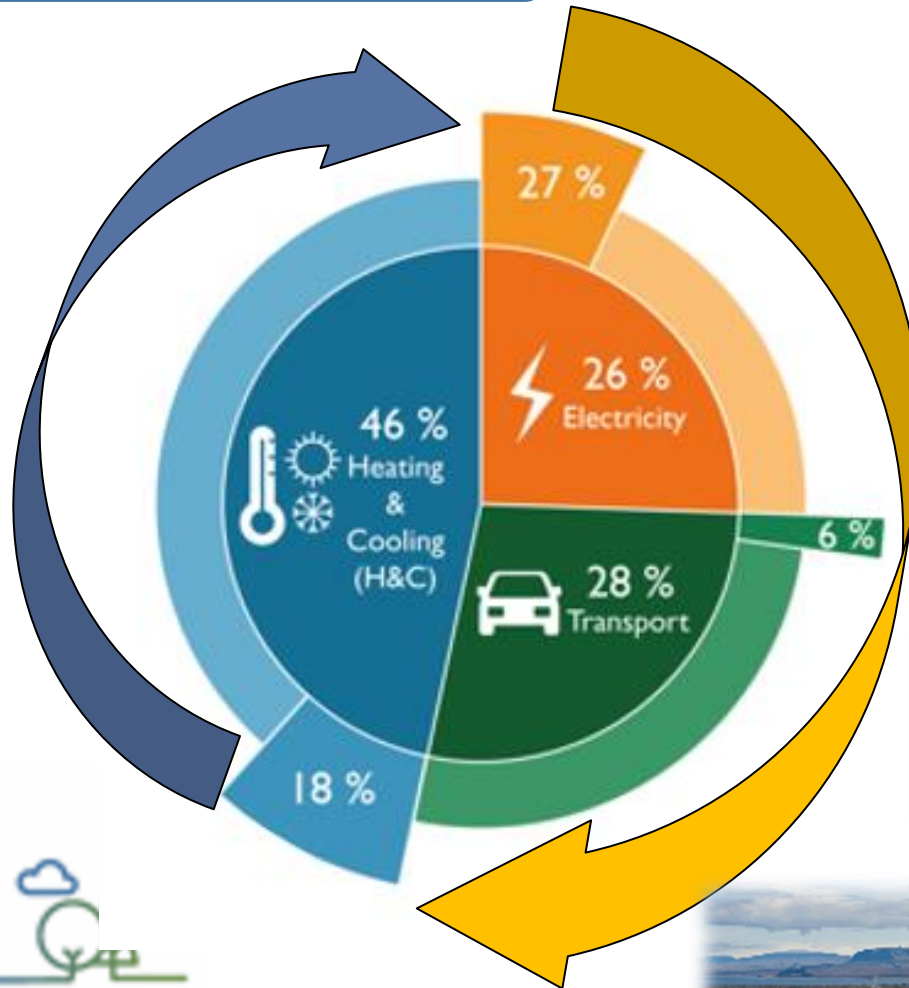


Figure: Buzzle

Figure: Wonderlist



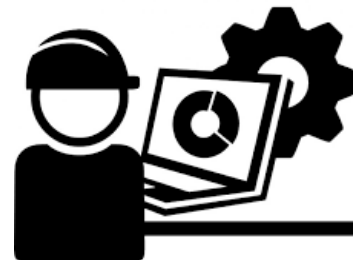
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Addressing Barriers

- ✓ Financing
- ✓ Lack of awareness



- ✓ Market conditions
- ✓ Stable framework



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Financing



Recommendations

- Understand the need to finance RES H&C solutions until the market conditions have been fixed
- Establish well-designed support schemes available for RES HC to reduce costs and foster cost-efficient deployment of RES HC
- Increase awareness of existing support and financing opportunities
- Have appropriate and streamlined administrative procedures related to permitting/authorisation for all RES technologies
- Promote demand aggregation at local level
- Raise the involvement of private financial institutions to develop new financial tools

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Awareness

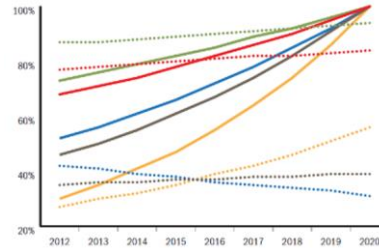


Recommendations

- Disseminate information on RES-HC technologies available through communication campaigns targeting professionals, consumers and citizens and promote energy labelling
- Improve quality of the training, qualification and engagement of professionals
- Streamline administrative procedures related to support schemes
- Improve visibility through energy performance certificates of buildings (EPCs)
- Engage stakeholders in dialogue when defining policy
- Promote district heating (DH) and the use of RES in DH and block heating (2-3 houses)

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Market conditions



Recommendations

- Phase out fossil fuels subsidies
- Internalise negative externalities from fossil fuels
- Establish off-budget funds from carbon pricing instruments
- Develop policies to trigger renovation of existing buildings
- Develop favourable building codes
- Support RD&I, to decarbonise the H&C sector as a whole

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Stable framework



Recommendations

- Develop a long-term decarbonisation roadmap, including plans and milestones for 2030 and 2050
- Develop consistent and mutually supportive legislation
- Understand the need to pursue full decarbonisation of the building sector
- Improve the parameters of the modelling used for projections of heating and cooling
- Establish EU-wide definition and methodologies to take cooling into account in building codes, national statistics and support schemes

INFORMATION

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Thank you!

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