Policies & planning tools for DHC, FRANCE

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Various policies & planning tools

* Policies supporting DHC

- Heat Fund supports investments in heat generation/valorization facilities
(incl. DHC and industrial heat recovery)

- Reduced VAT on distributed heating incl at least 50% of renewable or source or waste heat

- **White certificates finances the insulation of pipes** and singular points of a heat distribution networks

- Mandatory connection of refurbished or new buildings in case of proportion of renewable & waste energies to classified DHC

-Thermal building reg. obliges housing to DH connection + increases max cons. authorization under certain conditions

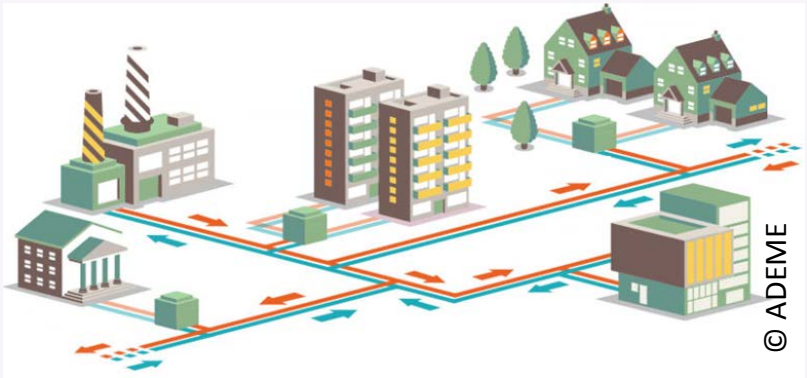
* Planning tools

- Mandatory "Master plan" for local authorities in charge of H&C distribution

- **National multiannual energy plan**

Challenges/objectives

- **X5** delivered renewable energy & waste district heating & cooling **within 2030** (compared to 2012) => 3.4 Mtoe Ren&R
- 2 intermediary objectives:
  - 1.35 Mtoe of Ren in 2018 (0.68 in 2012)
  - Between 1.9 and 2.3 Mtoe in 2023
- **Local master plan** of DHS development **within 2019** for all installation in operation since 2009



Outcomes

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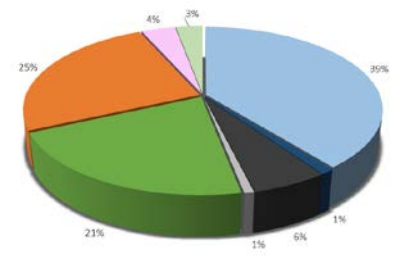
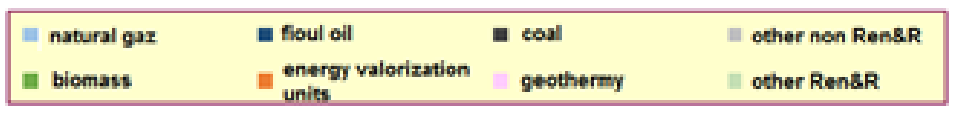
Key achievements/current situation

669 district heating networks representing **5,015km** have delivered **24,643 GWh of net thermal energy in 2016** whose 53% of Ren & heat recovery





Note: Infrastructures supported by the *Heat fund* must comply with various sustainable criterions such as air quality (especially in areas hosting public access buildings or covered by air protection plan), resources availability, origin of biomass (incl. rules for forests management), CO_2 content of DHC, treatment of released smoke, ashes management…

For more information on criterions used for projects support thanks to the Head Fund: https://www.ademe.fr/expertises/energies-renouvelables-enr-production-reseaux-stockage/passer-a-laction/produire-chaleur/fonds-chaleur-bref

Coming changes

Improve the methods to assess the CO_2 content of DHC incl. impacts of biomass, fatal heat, auxiliary equipment, and electricity generated thanks to cogeneration.

Replicable approaches

Other MS can easily replicate our different initiatives but must pay attention to their specific local heat needs, ROI conditions and to the environmental impact on the life cycle of DHC facilities.

Further information

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ADEME's recommendations/wishes

-**Focus** support to regions **where the DH market is not saturated**

-**Boost the classification procedures** for networks having succeed their commercial phase
For more information on classification procedures http://reseaux-chaleur.cerema.fr/classer-un-reseau-de-chaleur-ou-de-froid-guide-pratique-et-faq

-**Maximize the contribution of Ren and recovery energies** to current and future projects (objectives : 60-65% of Ren & recovery energy in DH in 2028)

-**Maintain the VAT reduction** & the **heat fund support**

- Develop **cool water loop**

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Further information

- The web page of the Ministry on DHC
https://www.ecologique-solidaire.gouv.fr/reseaux-chaleur
- The ADEME's point of view on DH
https://www.ademe.fr/avis-lademe-reseaux-chaleur-alimentes-energies-renouvelables-recuperation
- The French Observatory https://www.observatoire-des-reseaux.fr/sncu/
- The CEREMA's report on DHC dev. http://reseaux-chaleur.cerema.fr/rapport-developpement-des-reseaux-de-chaleur-et-de-froid-en-france
- The national map displaying needs for heat, and potential recovery sources (http://carto.geo-ide.application.developpement-durable.gouv.fr/906/Carte_chaleur_nationale.map

Contact for more information

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