



01/06/2015

Geothermal energy

Current status in Belgium

How are operators organised?

- » 2 operational plants:
St-Ghislain & Douvrain
 - » Operated by inter-municipal company

- » 5 projects being explored or developed:
Balmatt, Beerse, Ghlin, Kinrooi, Mons
 - » Private company
 - » Public-private partnership
 - » (Inter)municipal companies

Knowledge development and –exchange?

- » Flanders
 - » EFRO-910: GEOTHERMIE 2020
 - » GEOHEAT-NET
 - » Databank ondergrond Vlaanderen
<https://dov.vlaanderen.be/dovweb/html/index.html>
 - » Energyville (<http://www.energyville.be/>)
- » Wallonia
 - » Centre Virtuel de Recherche en Energie - Comice "Géothermie"
 - » Service géologique de Wallonie
<http://geologie.wallonie.be/site/geoprod/geologie>
 - » Universities

Issues encountered in the past

- » Limited knowledge geothermal potential
 - » Uncertainty
- » Past experience
 - » Merkplas: low flow rate due to technical reasons
 - » Poederlee: low injectivity due to reservoir heterogeneity
 - » Merkplas & Turnhout: water quality (> 100 g/l TDS)
 - » Saint-Ghislain & Douvrain: good artesian flow, no injection
- » Interference with underground gas storage
- » Questions about ownership and regulation
 - » No specific regulation for deep geothermal
 - » Environmental regulation (VLAREM) focussed on shallow wells
- » Financing
 - » Limited support for deep geothermal or sustainable heat

Current issues are worked at?

- » Uncertainty and feasibility
 - » Seismic exploration
 - » Resource mapping
 - » Pilot projects
- » Upscaling
 - » Extension of heat delivery
 - » DH-networks
- » Regulation
 - » Flanders: VLAREM, DDO
 - » Wallonia: concession regulation
- » Financing
 - » Flanders: STRES, oproep Groene Warmte
 - » Wallonia: investment support



stuk 2478 (2013-2014) – Nr. 1
ingediend op 26 februari 2014 (2013-2014)

Voorstel van resolutie

van de heren Robrecht Bothuyne en Bart Martens,
de dames Liesbeth Homans, Tinne Rombouts en Michèle Hostekint
en de heren Marc Hendrickx en Lode Ceysens

betreffende het ontwikkelen en bevorderen
van diepe geothermie in Vlaanderen