

**Seminar**  
**Low exergy infrastructures & geothermal resources**  
**in spatial planning**  
*the Minewater project, a practical example*

5 april 2006, 16.00 – 20.00 hr (with diner)  
Rolduc, Kerkrade

With the Minewater project the municipalities of Heerlen (NL) and Midlothian (UK) aim to demonstrate that it is possible to extract geothermal energy from the water in former and closed coal mines such that it can be used for district heating and cooling purposes in residential areas. They have been studying this subject for several years and have been closely communicating shared values, common issues and complementary expertise.

To share knowledge and visions about low exergy and geothermal resources in a broader circle and build upon a network to ultimately instigate broader application in spatial planning, the municipality of Heerlen would like to invite you to this seminar.

**Programme**

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| 14.00 – 15.00 | <i>Optional: Site visit – Drillings in Mine ONIII Heerlerheide Centre</i>  |
| 16.00 – 16.15 | Welcome and introduction – Peter Op 't Veld, Cauberg-Huygen Raadgevende Ingenieurs (chairman)  |
| 16.15 – 16.30 | The European Geothermal Energy Council – Burkhard Sanner, EGENC<br>&<br>The International Geothermal Association – John Lund, IGA  |
| 16.30 – 16.45 | Introduction of LowExergy approach and the LOWEX network – Dietrich Schmidt, Fraunhofer Institute for Building Physics   |
| 16.45 – 17.30 | The Minewater project, pilot Heerlen: <ul style="list-style-type: none"> <li>▪ Background, philosophy and spatial development - Elianne Demollin, Municipality of Heerlen</li> <li>▪ Geology – Peter van Tongeren, VITO</li> <li>▪ Energy – Peter Op 't Veld, Cauberg-Huygen Raadgevende Ingenieurs</li> </ul> |
| 17.30 - 17.40 | IEA Energy Conservation In Buildings And Community Systems<br>- Jurgen Gehrmann, PTJ   |
| 17.40– 17.50  | IEA District Heating and Cooling – Robin Wiltshire, BRE  |
| 17.50 – 18.10 | Overview of current low exergy research in the Netherlands - Paul Ramsak, SenterNovem  |
| 18.10 – 18.30 | Discussion & Conclusion  |
| 18.30 – 20.00 | Diner buffet   |

**Location**

Conference centre Rolduc, Heyendallaan 82, 6464 EP Kerkrade

Rolduc is easily reached by car or public transport (with a taxi from Kerkrade train station). If you need assistance in arranging transport and/or overnight stay, please don't hesitate to contact us.

**Registration**

Please register with the secretariat of the Minewater project in Heerlen (NL) by providing your name, organisation and contact details to Mrs. Gelissen by e-mail [e.gelissen@heerlen.nl](mailto:e.gelissen@heerlen.nl), fax: +31 (0)45 @@ or phone: +31 (0)45 560 59 69.

There is a participation fee of Euro 75,- (including diner)