

## erdwaermeLIGA – the shallow geothermal Bundesliga

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**Keywords:** shallow geothermal use, database, ranking, Germany

### ABSTRACT

The online portal [www.erdwaermeliga.de](http://www.erdwaermeliga.de) compares the shallow geothermal uses in the German states and allows a comparison between the states and a local market development..

### 1. INTRODUCTION

To get detailed information about the local distribution and development over the time it is more and more necessary to process data of existing geothermal uses. In Germany, as well as in other European countries, there is no central institution, where we can get this data from. But there are several regional, local, and private databases, e.g. data from geological surveys, from water authorities and from producers. The problem is: those data don't fit together.

### 2. GOLA OF THE PROJECT

The goal of erdwaermeLIGA is to collect this data and to initiate a competition between the federal states of Germany, as the geological, financial and legal conditions are quite different from state to state. The ranking is done by comparing the installed capacity with the population ("kW per head", see fig. 1).



Figure 1: Ranking 2012 of the German states

Since 3 years there is an annual award for the best federal state (Bundesland), always won by the state of Brandenburg (see fig. 2). But "behind" this winner there are important changes in the ranking, due to legislative and economical backgrounds.



Figure 2: Award 2011

### 2. WEB-SITE

All data are presented online at [www.erdwaermeliga.de](http://www.erdwaermeliga.de). Beside the mentioned ranking a database of best practise is included and provides links to planers, drillers and material providers.

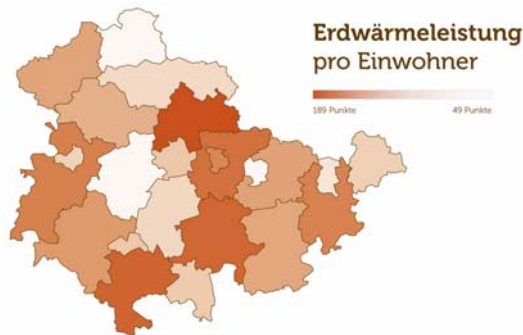


Figure 3: Screen-Shot of the Web-Site

There are also links to the regional online geothermal potential maps and to important regional standards ("Leitfäden") implemented.

### 3. SIDE-EFFECTS

Important additional information is possible comparing the uses in one state, not only depending on the geological background, than more on the legislative circumstances (Example see fig. 4).



**Figure 4: Comparison of local uses for the state of Thuringen 2012**

### 4. BACKGROUND AND FUTURE

The project erdwaermeLIGA is managed by a market expert geoENERGIE Konzept GmbH and a marketing expert 599media GmbH in cooperation with the two national branch organisations – BWP Bundesverband Wärmepumpe e.V. (German association of heat pumps) and GtV Bundesverband Geothermie (German geothermal association). For the future an extension of the project to a “Champions League” is planned.

### 5. CONCLUSIONS

Availability of market data for geothermal uses are always difficult to get – not only in Germany. The project erdwaermeLIGA allows comparing those data and enables the market actors to understand the frames. On the other hand the online-portal is an important step to bring the use of shallow geothermal energy more to the public and the final consumer.