

erdwaermeLIGA – the shallow geothermal Bundesliga

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ABSTRACT

The online portal 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. GOAL 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. Beside the mentioned ranking a database of best practise is included and provides links to planers, drillers and material providers.

erdwärmeliga
deutschland

erdwärmeliga auf dem Bundesliga-Platz: die information ist eine rangfolge der bei der freilicht von erdwärmeliga eingetragenen städte, kommunen, landkreise und bayernländer

Ergebnisse/Tabelle erdwärmeliga

Direct zu den Länderegebnissen
Bundesland wählen

Ergebnisse der einzelnen Bundesländer im Vergleich

Die erdwärmeliga auf dem 8. forum: Wärmepumpe

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Die Thüringer Landesamt für Statistik stellte in einer untersuchung zu den fahrtstypen im wohnungsbau 2009 fest, dass sich immer mehr baukosten in thüringen zum heizen ihrer wohnung für eine wärmepumpe entscheiden. in 81%

Erneuerbare energien erstmals über 10 Prozent

Der Anteil der erneuerbaren energien am gesamten endenergiieverbrauch in Deutschland ist im Jahr 2009 erstmals auf mehr als zehn Prozent gestiegen

Top 10 Bundesländer 2010

Ergebnisse Aktuelles Präsentationen Bundesland wählen

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 Thüringen 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) an 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.