European Drought Reference (EDR) database

Accessing the Database

- Online at http://www.geo.uio.no/edc/droughtdb

Major Historical Drought events

- 11 major events (1959-2007)
- Event summaries including meteorological drought, hydrological drought, and reported drought impacts
- Interactive figures and searchable drought impact table

Daily Standardized Precipitation Index (SPI) Tool

- Search Standardized Precipitation Index (SPI) maps for the whole of Europe on any date (1958-2009)
- View changes in SPI for selected periods as a movie or still image at the daily, weekly, monthly, or annual time step

The Online European Drought Reference (EDR) Database

The online drought database (http://www.geo.uio.no/edc/droughtdb) consolidates information about historical large-scale drought events in Europe and their impacts in a single location. It is available to the public online through the European Drought Centre (EDC) website. The EDC website is already an active European drought resource, with over 275 members representing 55 countries, and provides a useful platform to launch this new drought reference database.

The website houses both the European Drought Reference (EDR) database, which provides detailed meteorological and hydrological drought statistics, and the European Drought Impact Report Inventory (EDII), which stores user-provided information about drought impacts. This allows the two databases to be linked for better understanding.

The online EDR database has two sections: a detailed summary of 11 major European drought events and a tool that displays drought conditions on any day within the historical record (1958-2009). Each major drought event (see table below) has a unique web page that contains an event summary, climatological drought data, hydrological drought data, and impact reports. Maps showing meteorological drought (SPI) are interactive, allowing the user to watch the index progress with time. A table of impacts is linked directly from the EDII (see reverse side) and is shown both as a map of impact locations and as a detailed table.

### Major Historical Drought events

<table>
<thead>
<tr>
<th>Year</th>
<th>Location</th>
<th>Approx. Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>1959</td>
<td>Northern Europe</td>
<td>05/1959 - 02/1960</td>
</tr>
<tr>
<td>1973</td>
<td>Central Europe</td>
<td>01/1973 - 07/1973</td>
</tr>
<tr>
<td>2000</td>
<td>East/Southeast Europe</td>
<td>01/2001 - 03/2001</td>
</tr>
</tbody>
</table>

Screenshot showing the start of a typical major drought event summary page (1975-1976) within the online EDR database.
Learning from the past
An Online Database of European Drought Characteristics and Impacts

European Drought Impact Inventory (EDII)

Access and References

- Online at http://www.geo.uio.no/edc/droughtdb
- Drought R&SPI Flier - A Pan-European Drought Impact Database

Current Status of EDII (Nov 2013)

- 2089 Impact Reports
- Impacts in 33 European countries (not limited to EU member states)

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The Online European Drought Impact Inventory (EDII)

The European Drought Impact report Inventory (EDII) was developed and detailed in Drought R&SPI Technical Report No. 3 (Stahl et al. 2012). The new online interface allows (i) to search and interact with the existing drought impact reports in the database or (ii) to submit a drought impact report to the database. When querying the database, users can select any combination of location, time, and drought impact category or type to narrow their search. Results are shown both visually, in a map that highlights the number of reported impacts per country, and in a table, that shows the impacts reports in greater detail. Submitting an impact requires signing in with a username and password. Contributors then provide information about the reference source, impact location, timing, and category. Submissions are reviewed by the Drought-R&SPI team and then posted to the full EDII database.

Future Direction

European researchers have significant information and expertise regarding droughts; however, this expertise is distributed across many countries and too often is not combined. The online EDR/EDII website is designed to consolidate this drought knowledge into a single, user-friendly resource. Access to this online database will be easy and hopefully will inspire public participation. It is our hope that this website will become a standard reference tool and grow with time as more users participate in data collection, sharing, and analysis.