How can an agency or individual contribute data to Imiq?
The developers of Imiq are eager to add datasets to the database. If resources are limited at the time of contribution, these data and metadata will be stored in a queue. Please use contact information on the website below.

**Imiq by the numbers**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data Values</td>
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<tr>
<td>Parameters</td>
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<tr>
<td>Sources</td>
<td>42</td>
</tr>
<tr>
<td>Networks</td>
<td>29</td>
</tr>
</tbody>
</table>

as of August 15, 2014

How do I cite information from Imiq?
Please cite both the data originator and the Imiq Data Portal. In many cases data may be changed from their original units or averaged across time periods. The metadata pertaining to the originator will be downloaded with the data. The Imiq Data Portal should be cited as:


What can we expect from Imiq in the future?
Based on funding availability, future capabilities will include features such as:

- advanced data visualization
- expanded geographical and parameter coverage
- expanded number of parameters.

If you have other recommendations for features or questions about Imiq, please contact the project team at imiq@arcticlcc.org.
WHAT IS Imiq?

What are the Imiq Hydroclimate Database and Data Portal and why are they needed?

The Imiq Hydroclimate Database houses hydrologic, climatologic, and soils data collected in Alaska and Western Canada from the early 1900s to the present. This database unifies and preserves numerous data collections that have, until now, been stored in field notebooks, on desktop computers, as well as in disparate databases. Synthesizing and analyzing the large-scale hydroclimate characteristics of this important climatic region have been made easier with this searchable database.

The Imiq Data Portal provides public access to portions of the Imiq Hydroclimate Database through a simple web interface with search and visualization options. Data and metadata are easily downloaded in a common file format and have been normalized into common units. The Imiq Data Portal has been designed to meet the needs of land stewards, resource managers, and scientific researchers.

WHAT IS Imiq USED FOR?

Since its inception, Imiq has been used for the following applications:

- Analysis of historical spatial and temporal observational network coverage.
- Planning the locations of new observations based on network gaps and proximity to infrastructure.
- Analysis of long-term climatological means and trends of climate variables like air temperature, precipitation, snow depth, wind speed, lake volume, and relative humidity.

The Imiq Data Portal is the only place where hydrologic, climatologic, and soils data sets can be queried at the same time.

Figure 1
Imiq Data Portal
A screenshot showing the current Imiq Data Portal. The bubbles on the map show aggregations of site markers.

Figure 2
Annual Air Temperature 1900-2011
Inverse Distance Weighting
Interpolated climatological annual air temperature (°C) of Alaska from the Imiq hydroclimate database. Dots indicate stations used in the estimate.

The word imiq means 'freshwater' in the Inupiat language of Northern Alaska.