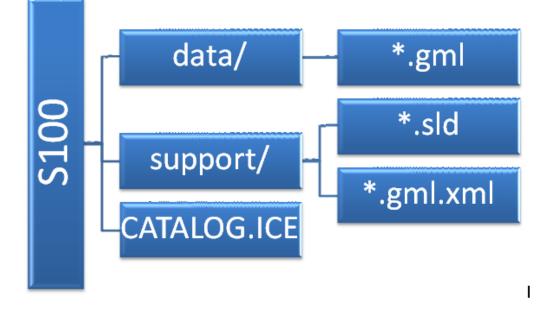
Baltic sea ice chart issued by the Bundesamt für Seeschifffahrt und Hydrographie (BSH). This chart is issued weekly in during the ice season in the Baltic.

IHO S-100 Ice Charts

This chart is a test data, that was producing using <u>IHO S-100 Standard</u>. The dataset and support files are combined in a Exchange Set. The Exchange Set structure for ice data is following:



- S100 S100 is a root directory of Exchange Set
 - data/ is subdirectory of S100 containing dataset
 - *.gml is dataset file in GML 3.2.1 format
 - support/ is subdirectory of S100 containing support files
 - *.sld is a file containing display rules (at the moment WMO Color Code for ice concentration), for encoding was used <u>Symbology Encoding V.1.1.0</u> from <u>OGC</u>.
 - *.gml.xml contains the ISO 19139 Metadata
 - CATALOG.ICE Metadata file for whole Exchange Set (encoded in XML)

Display S-100 Ice Data

For displaying of S-100 ice data <u>QuantumGIS</u> can be used:

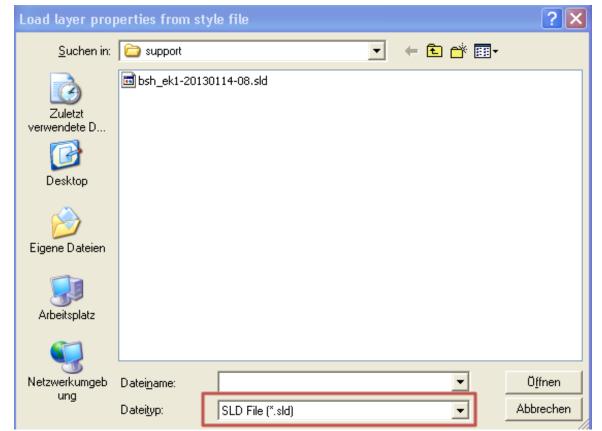
- 1. Install and start QuantumGIS
- 2. Layer -> Add Vector Layer ... -> Browse
- 3. Select as file type "Geography Markup Language [GML] ...

Open an OGR Supported Vector Layer							
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- 4. Select *.gml file from Exchange Set ("data" folder) -> Open
- 5. Select "seaice" layer in the layer table -> Layer -> Properties ... -> Style
- 6. Load Style ...

S100 - Ice Chart

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Select *.sld file from support directory -> Open -> OK