The Integrated Climate Data Center at the Center for Earth System Research and Sustainability (CEN), University of Hamburg

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Our Vision

- Provide easy-to-access easy-to-use climate relevant Earth observation and socio-economic data sets
- Provide scientific user support and consultation about data set usage
- Assess and improve quality of Earth observation data sets
- Project menue: Support menue: cen Hydrographic data rescue & Contact details automatic quality control Tutorials ICDC Home UHH > MIN-Fakultät > CEN > ICDC D About ICDC Integrated Climate Data Center - ICDC ESA-CCI Sea Ice ECV **Breaking News** KLIW/S North Sea Climatology EASY INIT News menues: 5.09.2014 16:37 Re-analysis & Climate Indices ydrographic and rological climatologies mate Data Center New data sets 05.09.2014 08:00 f the North Sea online! HD(CP)² Clouds & Precipitation Updates New data: MODIS SST & Chlorophvll Ocean heat content monitoring Workshops go to Archive -Keywords Daily climate debate monitoring
- Ease synergistic usage of data sets from natural sciences and data sets from socio-economic sciences Publish data products generated at the University of Hamburg, specifically within CliSAP & CEN
- Ensure long-term data storage

Integrated Climate Data Center (ICDC, http://icdc.zmaw.de)

Key elements of ICDC

- Web portal for data information & access (Fig. 1)
- Live Access Server (LAS) for data set visualization and a first data analysis (Fig. 2)
- 4 scientists for expert support
- Twin server architecture and various ways to access abd view data: ftp, http, OPeNDAP, LAS, GeoServer

Key activities of ICDC

Provision of easy access to a suite of EO data

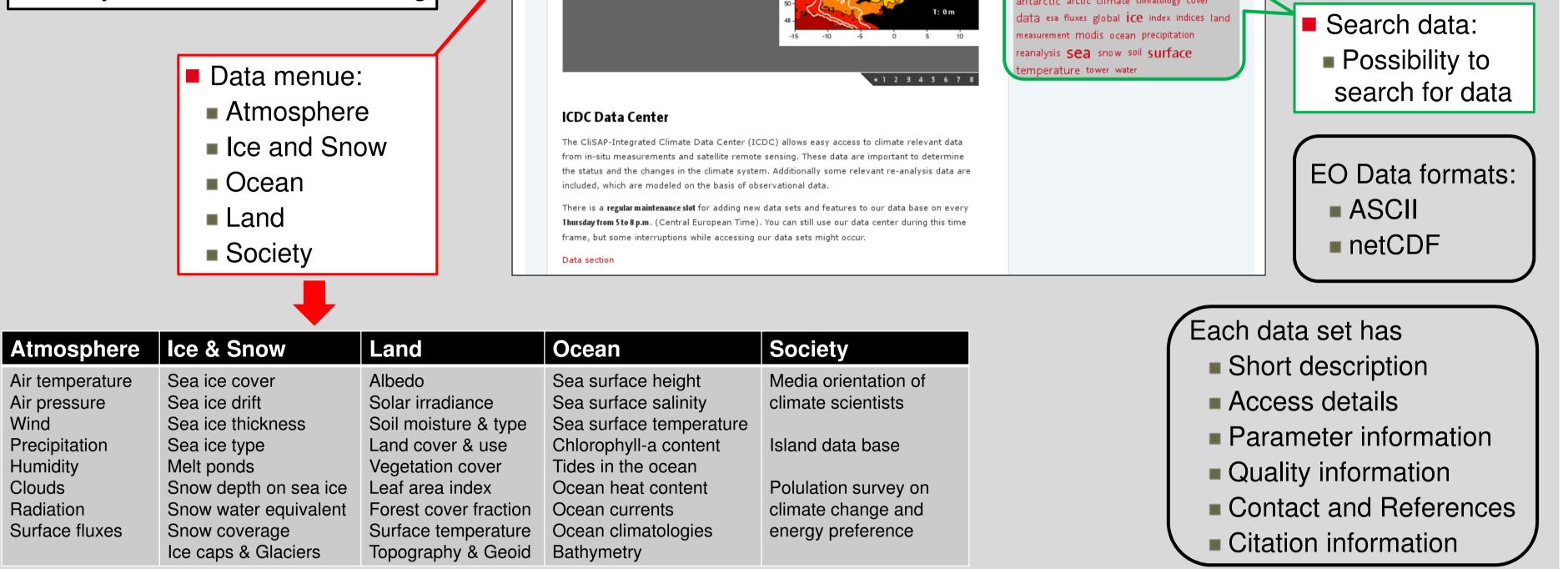
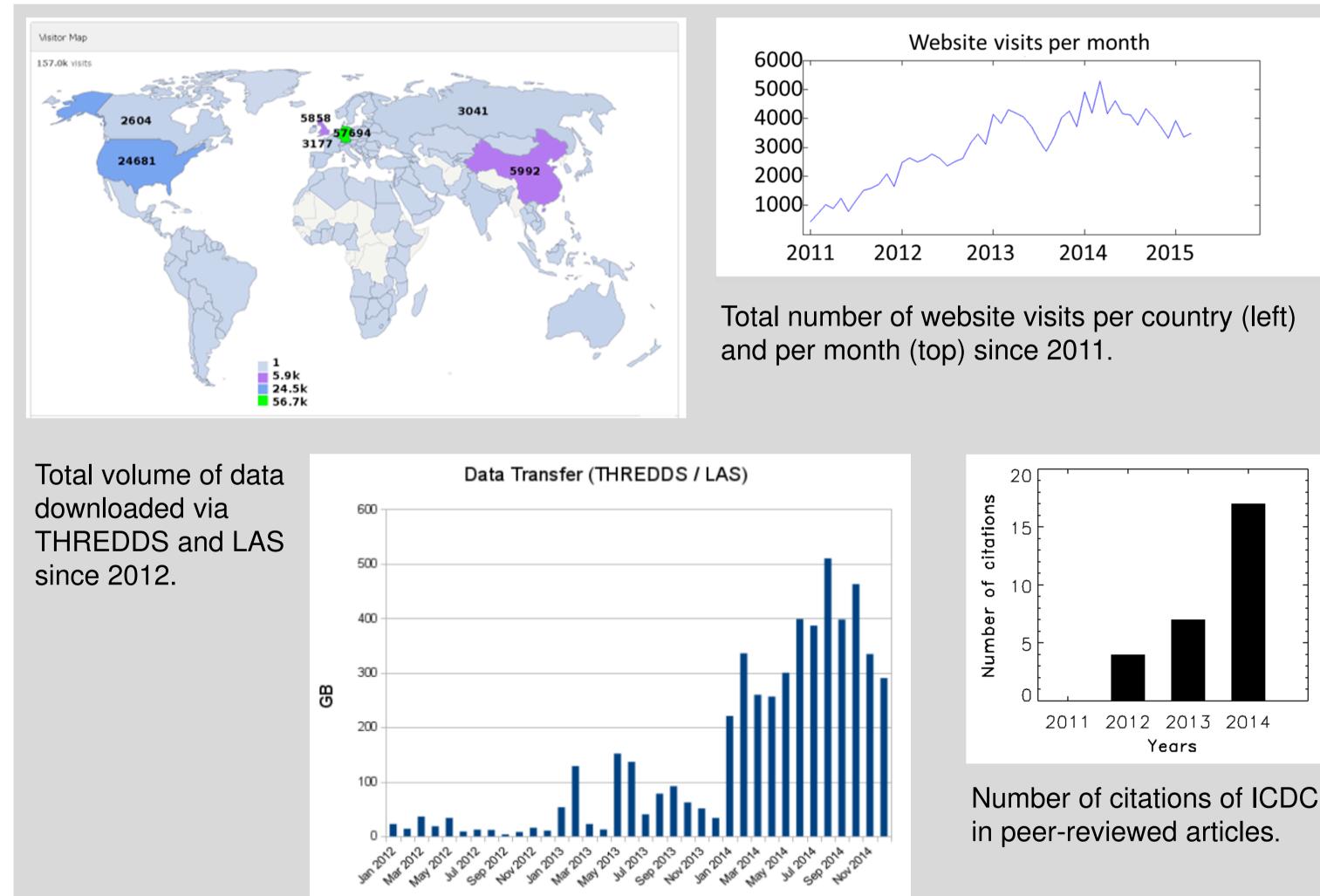
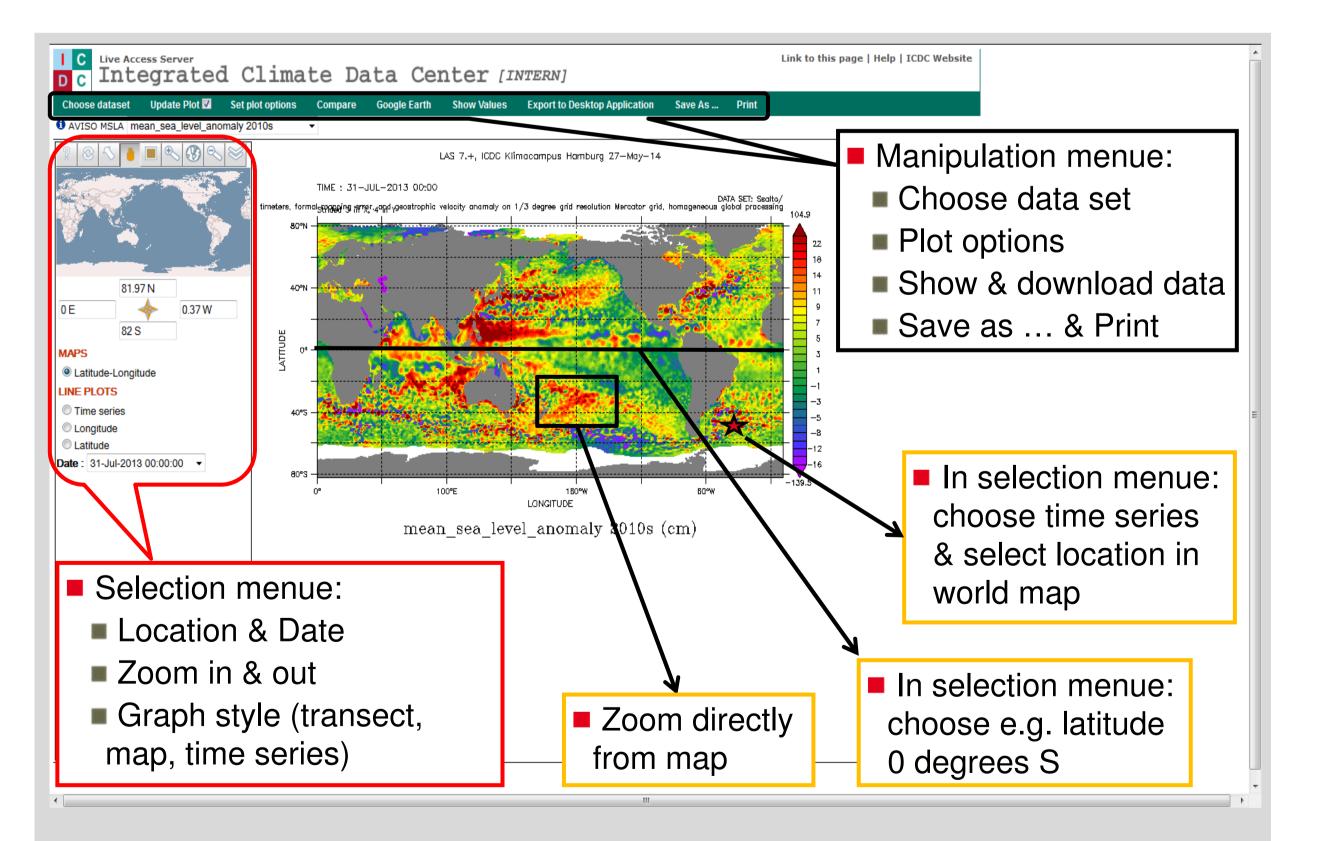


Fig. 1: Screenshot of the ICDC web portal http://icdc.zmaw.de. Functionalities of the web portal are highlighted. The inset in the bottom left gives an overview of the current data holding.



- Scientific user support & consultation
- Data quality control
- Data quality and ease-of-usage enhancement
- Creation of selected new data sets
- Generalization of data to standard formats
- Development of data quality control procedures



The Integrated Climate Data Center ICDC

- Provides unique user support as part of a national and international strategy to EO data
- Is active in science driven compilation of interdisciplinary data sets
- Is active in tailored participation in international quality control and reanalysis efforts
- Is interface to climate (modeling) community, thereby defining needs in pilot settings

Fig. 2: Illustration of the Live Access Server (LAS; <u>http://ferret.pmel.noaa.gov/LAS</u>) used at ICDC and its functionality.

Is data portal for national data centers, beta-tester of their data through science driven quality control procedures.

Centrum für Erdsystemforschung und Nachhaltigkeit (CEN)

www.clisap.de

www.cen.uni-hamburg.de





