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Data and Services at the Integrated Climate Data Center (ICDC) at the University of Hamburg

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Data and Services at the Integrated Climate Data Center (ICDC) at the University of Hamburg

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Earth observation data stored in a self-explanatory, easy-to-use format provided along with expert support exhibit enhanced scientific value.

Our Mission

- 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
- Ease synergy of data sets from natural sciences and data sets from socio-economic sciences
- Publish data sets produced by the University of Hamburg, specifically by the Center of Excellence for Climate System Analysis and Prediction (ClisAP)
- Ensure long-term data storage

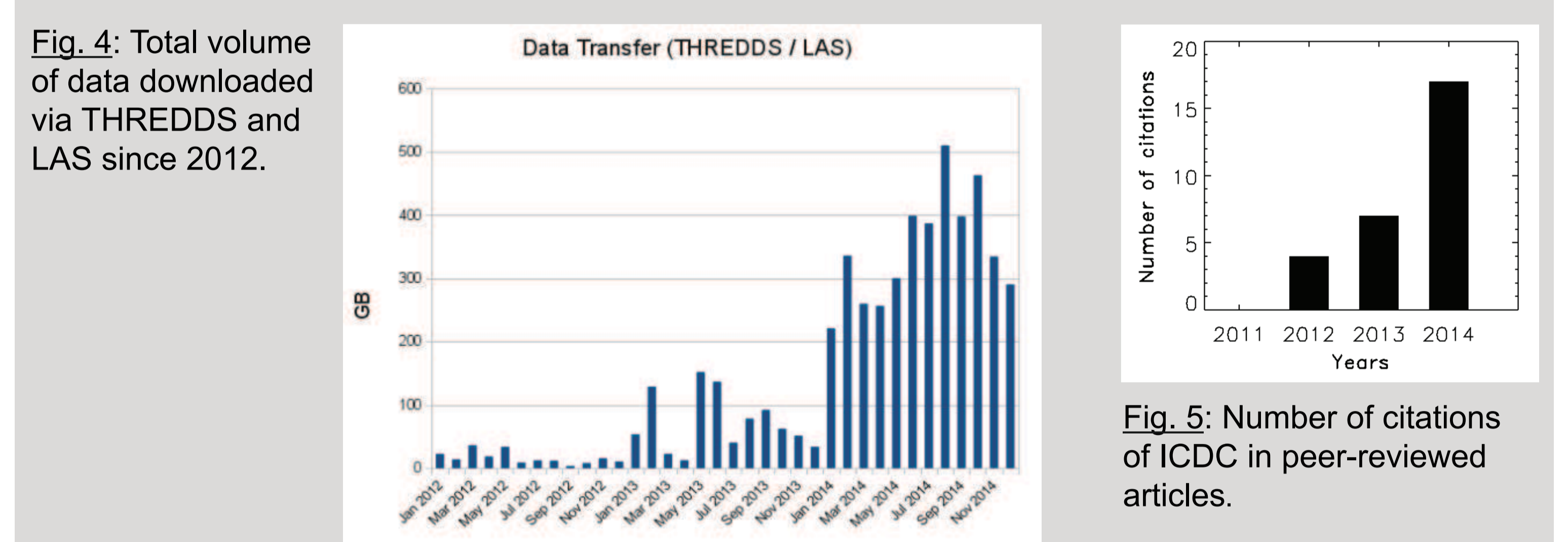
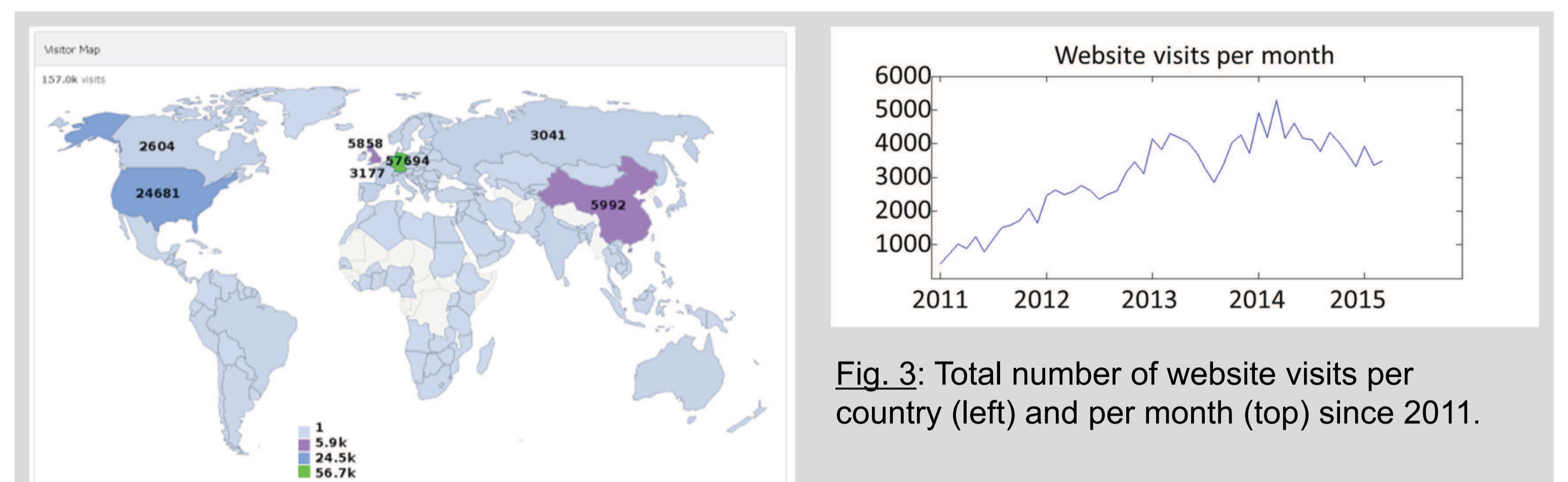
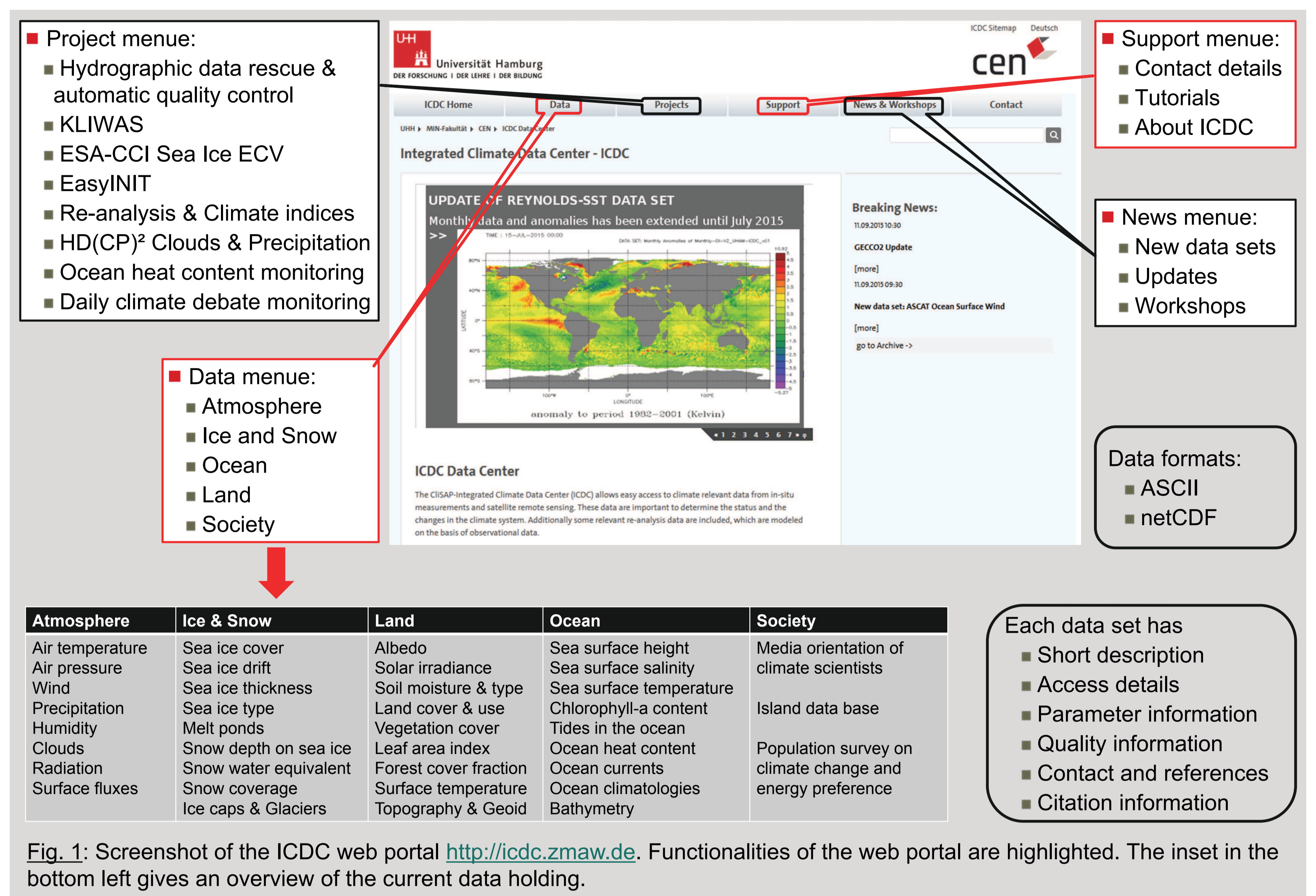
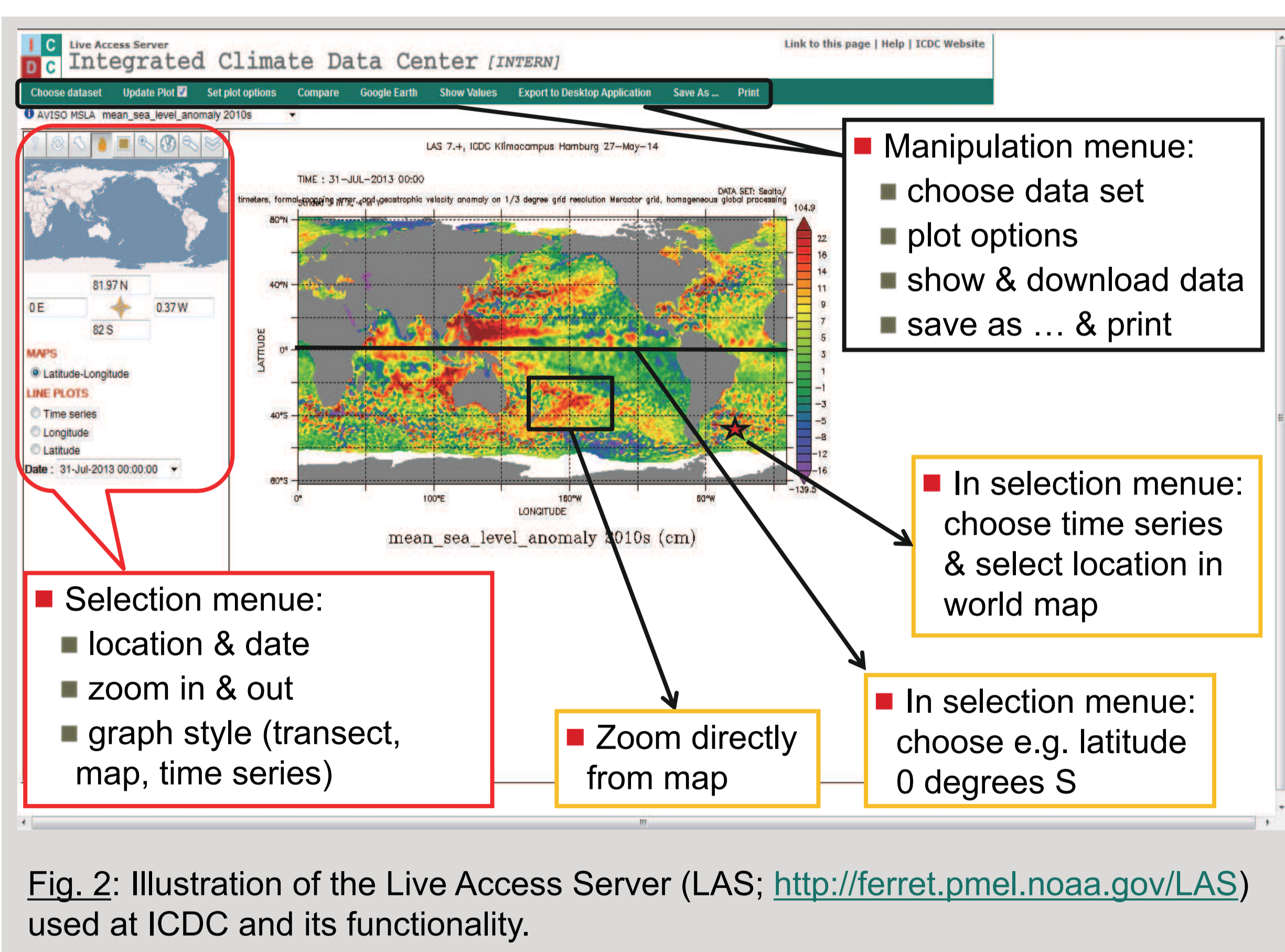
Integrated Climate Data Center (ICDC, <http://icdc.zmaw.de>)

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 (restricted and public data)
- Various ways to access and view data: ftp, http, OPeNDAP, LAS, GeoServer

Key activities of ICDC

- Provision of easy access to a suite of Earth observation data in generalized standard formats
- Scientific user support and consultation
- Data quality control
- Data quality and ease-of-usage enhancement
- Creation of selected new data sets
- Development of data quality control procedures



The Integrated Climate Data Center ICDC

- Provides unique expert user support for Earth observation data as part of a national and international strategy
- 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
- Is data portal for national data centers, beta-tester of their data through science driven quality control procedures.