# IGETS Data Base – Status Report

Christoph Förste and Christian Voigt

**1st international Workshop**
**on the**
**International Geodynamics and Earth Tide Service (IGETS)**

**18-20 June 2018, GFZ Potsdam (Germany)**

# IGETS data base at GFZ

IGETS data base is part of GFZ‘s recently reloaded **Information System And Data Center (ISDC) http://isdc.gfz-potsdam.de**

**IETS data base** consists of:

- Web portal (within ISDC)
- ftp-interface for producer upload
- ftp-interface for user download
- Automatically running system for storage, renaming and upload of incoming data products

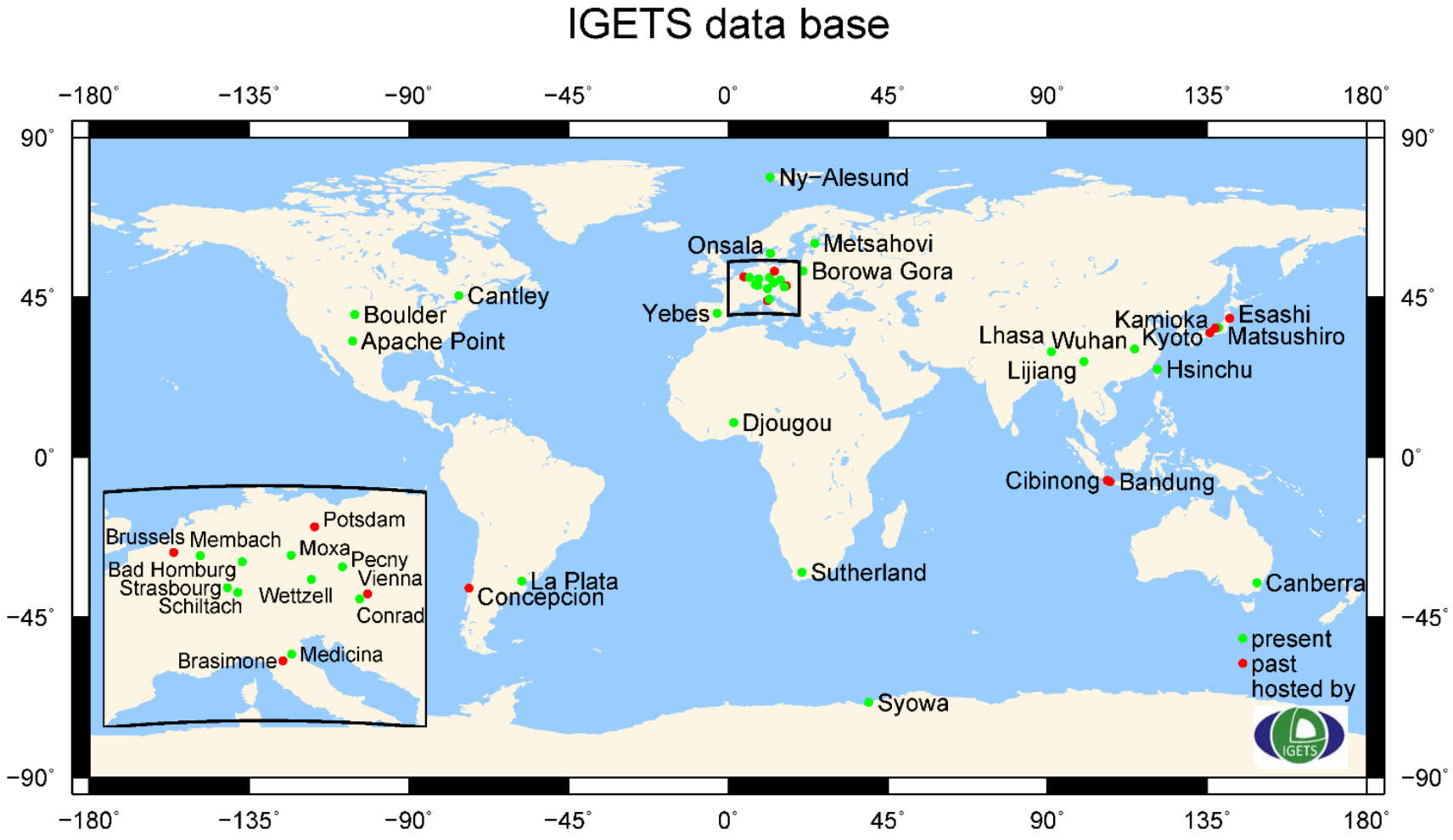
**GFZ library** (data services) operates the DOI landing pages for IGETS stations incl. Links to the IGETS data base

**GFZ‘s IGETS data base team** consists of:

- Christian Voigt
- Christoph Förste

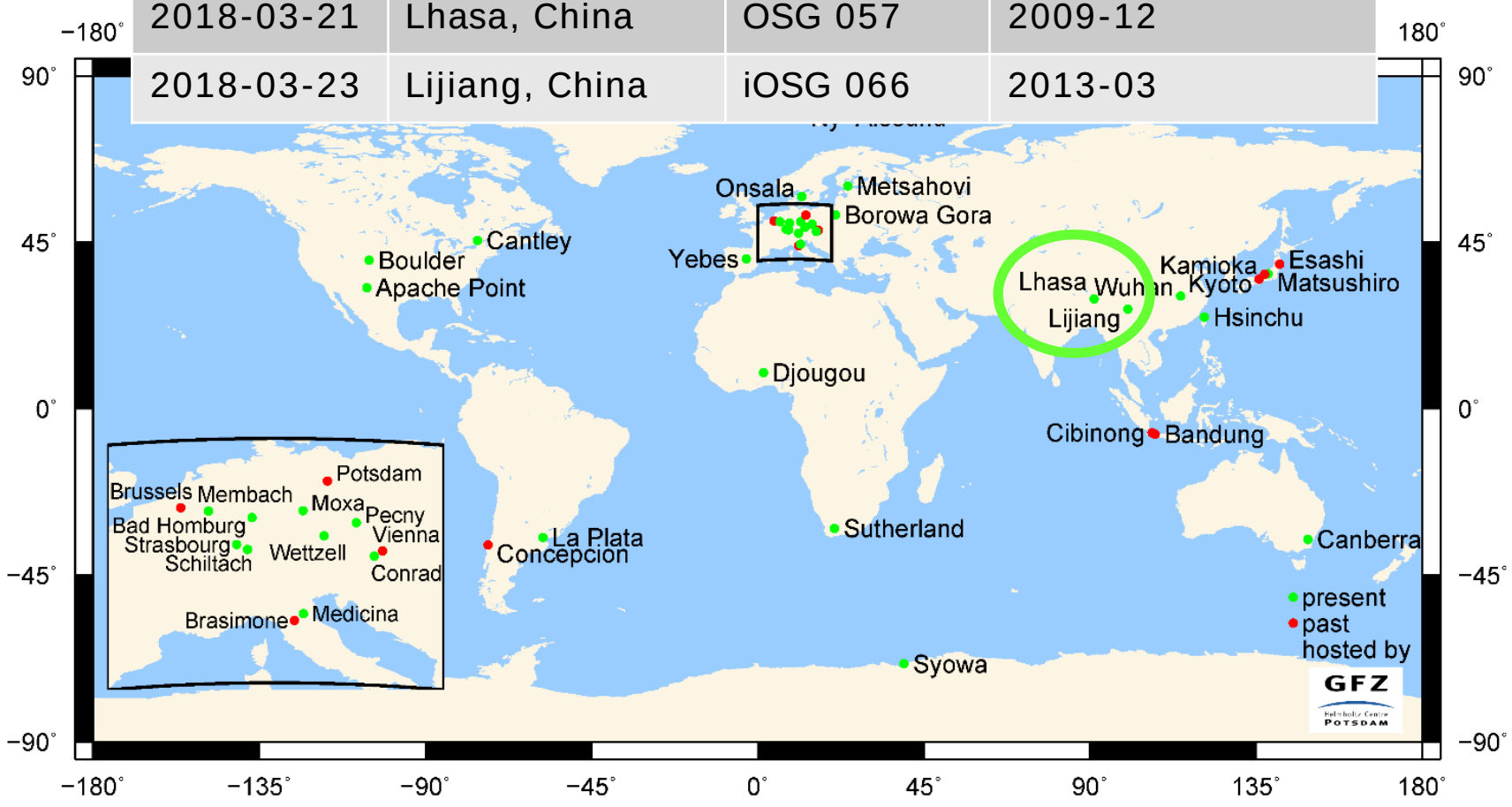
with support by GFZ‘s Computing center and Data services

# 37 stations ( ● present, ● past)



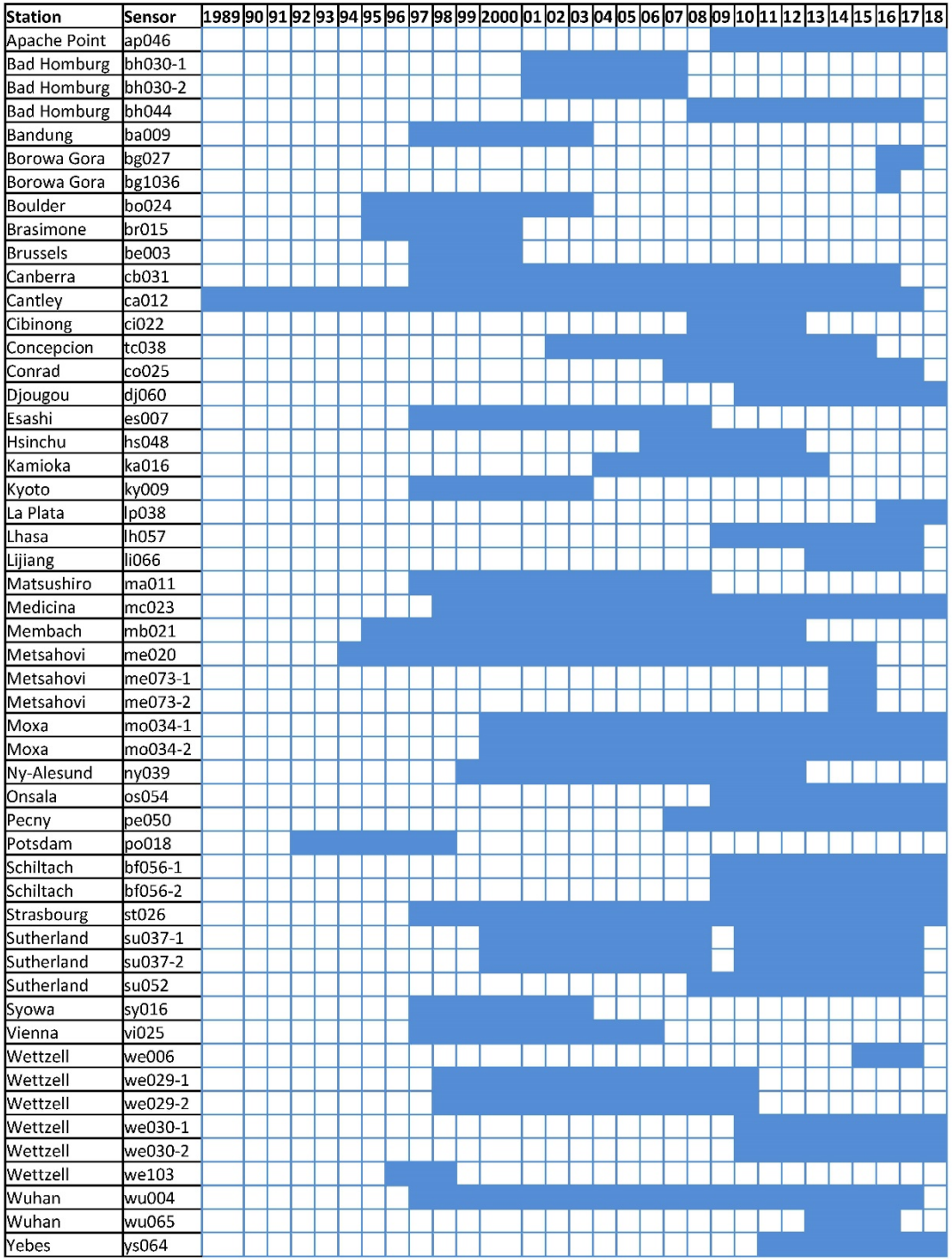
# Recently added stations and sensors

| Date | Station | Sensor | Begin of data |
|---|---|---|---|
| 2018-03-21 | Lhasa, China | OSG 057 | 2009-12 |
| 2018-03-23 | Lijiang, China | iOSG 066 | 2013-03 |



# Temporal coverage

- 37 stations
- 52 sensors
- time spans of 20 years and more (Cantley)

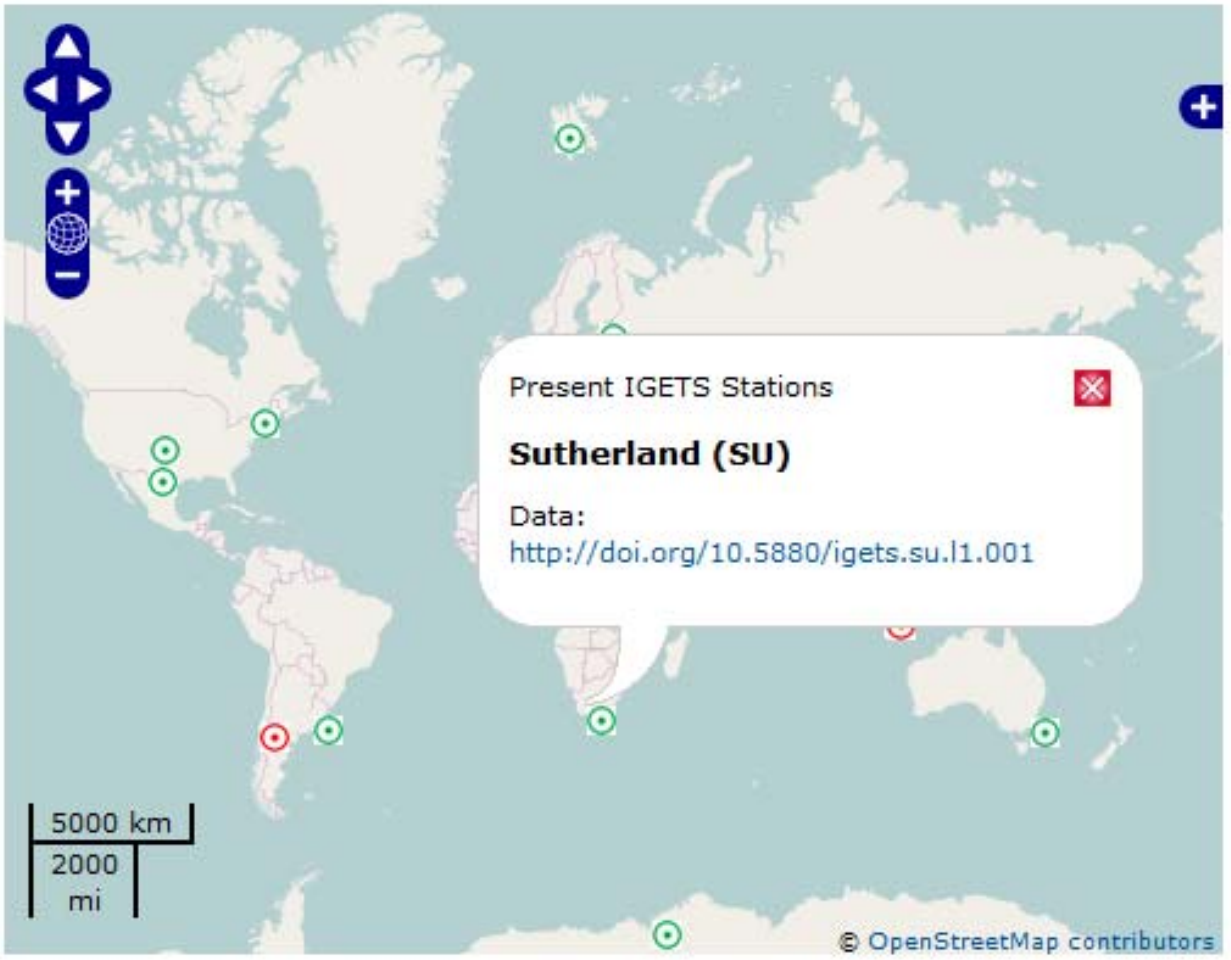


# Data Publication and Citation with DOIs

DOI (Digital Object Identifier) assignments established for Level 1 data sets of BKG, EOST and GFZ as well as Level 1 and 2 data sets of IGG:

- BKG: Bad Homburg http://doi.org/10.5880/igets.bh.l1.001
  Concepcion http://doi.org/10.5880/igets.tc.l1.001
  La Plata http://doi.org/10.5880/igets.lp.l1.001
  Medicina http://doi.org/10.5880/igets.mc.l1.001
  Wettzell http://doi.org/10.5880/igets.we.l1.001
- EOST: Djougou http://doi.org/10.5880/igets.dj.l1.001
  Strasbourg http://doi.org/10.5880/igets.st.l1.001
- GFZ: Potsdam http://doi.org/10.5880/igets.po.l1.001
  Sutherland http://doi.org/10.5880/igets.su.l1.001
  GFZ@Wettzell http://doi.org/10.5880/igets.we.gfz.l1.001
- IGG: Borowa Gora http://doi.org/10.5880/igets.bg.l1.001
  Borowa Gora http://doi.org/10.5880/igets.bg.l2.001

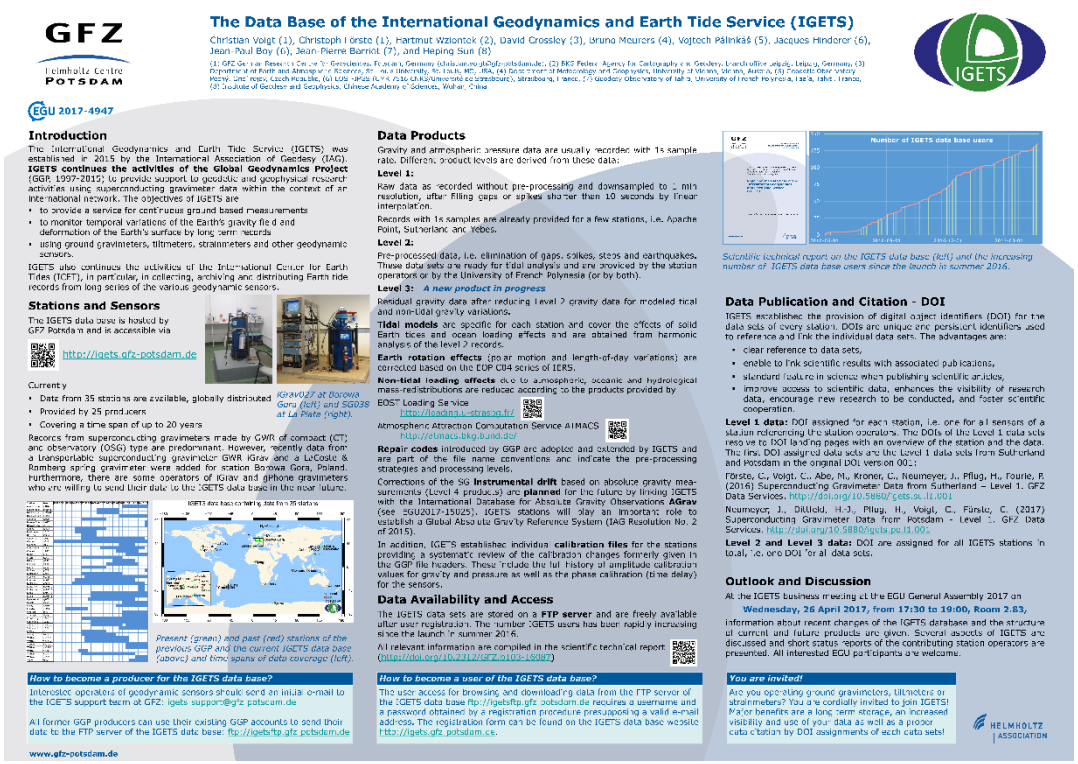
# Data Publication and Citation with DOIs



# DOI landing page for Sutherland

- **data download**
- **link to data base report**
- **reference to related publications**
- **introduction**
- **contact**
- **official keywords and meta data**
- **geographical position**

# Documentation



The Data Base of the International Geodynamics and Earth Tide Service (IGETS)

Christian Voigt (1), Christoph Förste (1), Hartmut Wziontek (2), David Crossley (3), Bruno Meurers (4), Vojtech Pálinkáš (5), Jacques Hinderer (6), Jean-Paul Boy (6), Jean-Pierre Barriot (7), and Heping Sun (8)

EGU 2017-4947

Introduction

Stations and Sensors

Data Products

Data Publication and Citation - DOI

Outlook and Discussion

Data Availability and Access

How to become a producer for the IGETS data base?

How to become a user of the IGETS data base?

You are invited!

www.gfz-potsdam.de

GFZ Helmholtz-Zentrum Potsdam

Helmholtz Centre Potsdam GFZ German Research Centre for Geosciences

Christian Voigt, Christoph Förste, Hartmut Wziontek, David Crossley, Bruno Meurers, Vojtech Pálinkáš, Jacques Hinderer, Jean-Paul Boy, Jean-Pierre Barriot, Heping Sun

Report on the Data Base of the International Geodynamics and Earth Tide Service (IGETS)

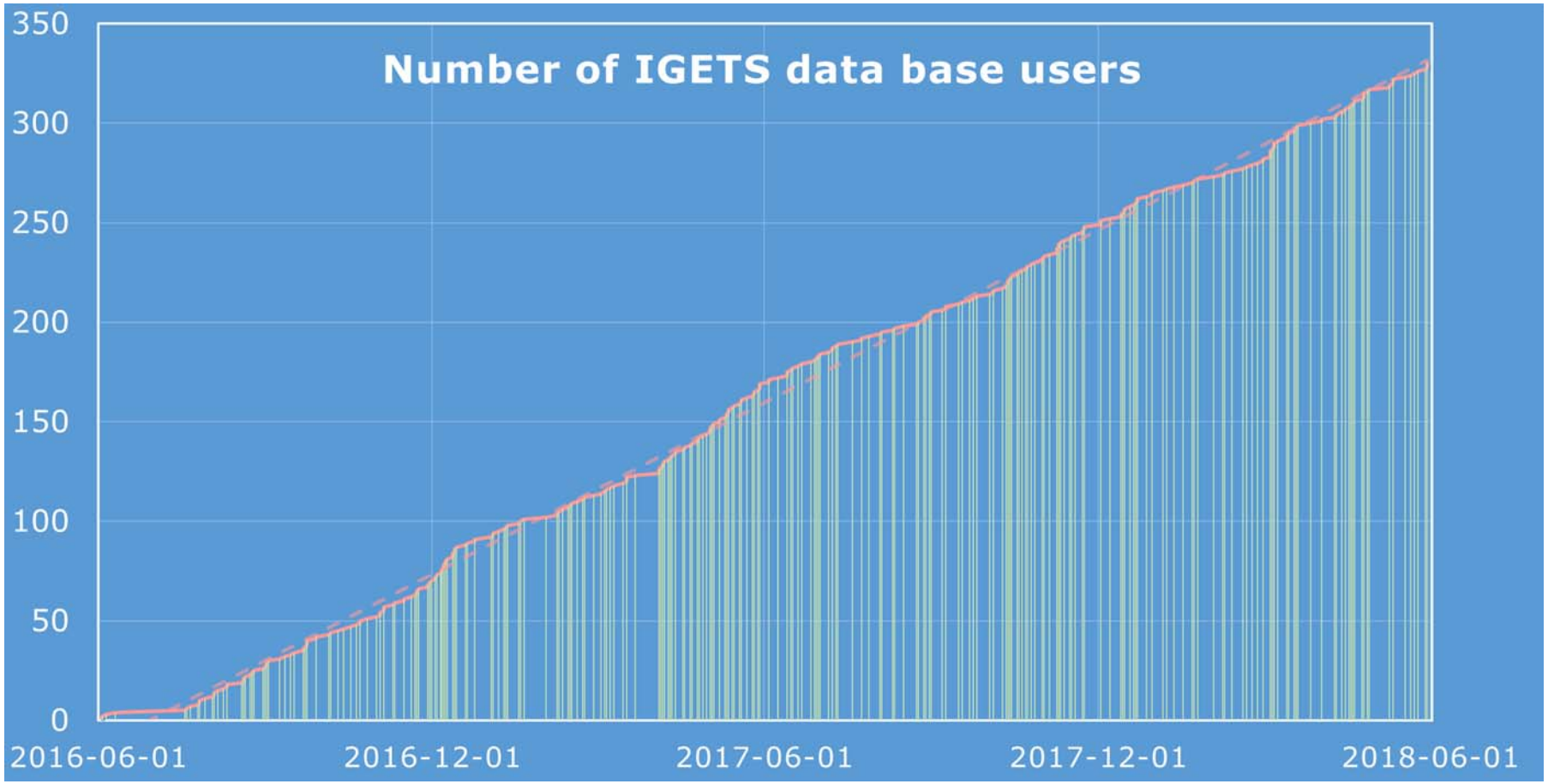
Scientific Technical Report STR16/08 – Data

www.gfz-potsdam.de

HELMHOLTZ ASSOCIATION

Poster EGU2017-4947 and
GFZ Scientific Technical Report
both available in “Documentation” of
http://igets.gfz-potsdam.de

# User statistics




330 users at 2018-06-01 (1 user registration every 2 days)

# Participation

## *How to become a producer for the IGETS data base?*

Interested operators of geodynamic sensors should send an initial e-mail to the IGETS support team at GFZ: igets-support@gfz-potsdam.de

All former GGP producers can use their existing GGP accounts to send their data to the FTP server of the IGETS data base: ftp://igetsftp.gfz-potsdam.de

## *How to become a user of the IGETS data base?*

The user access for browsing and downloading data from the FTP server of the IGETS data base ftp://igetsftp.gfz-potsdam.de requires a username and a password obtained by a registration procedure presupposing a valid e-mail address. The registration form can be found on the IGETS data base website http://igets.gfz-potsdam.de.

## *You are invited!*

Are you operating ground gravimeters, tiltmeters or strainmeters? You are cordially invited to join IGETS! Major benefits are a long term storage, an increased visibility and use of your data as well as a proper data citation by DOI assignments of each data sets!

# Remarks

## 1. Filename convention

The data products are uploaded by the producers either old ggp-file names or in new IGETS names
(Old filenames are renamed automatically in new ones by the IGETS data base system)
→ We ask all data producers to change to the new IGETS filename convention

## 2. Upgrades

- The IGETS data base system doesn‘t replace existing data products by upgrades automatically. This can only be initiated manually by GFZ‘s IGETS support team.
- Reminder: All producers are requested to announce upgrades beforehand by email to the IGETS support team at GFZ: igets-support@gfz-potsdam.de

- Upgrades for such stations which are associated with DOIs need a DOI upgrade. Please contact the IGETS support team at GFZ!