

ČESKÝ  
HYDROMETEOROLOGICKÝ  
ÚSTAV

# Aktivity a možnosti GEO ve vztahu k ČR

2nd National GMES/COPERNICUS User Forum

Radim TOLASZ

Český hydrometeorologický ústav

[www.chmi.cz](http://www.chmi.cz)

Na Šabatce 2050/17, 143 06 Praha 412-Komořany

tel.: +420 244 031 111, e-mail: [chmi@chmi.cz](mailto:chmi@chmi.cz)

# Historie GEO

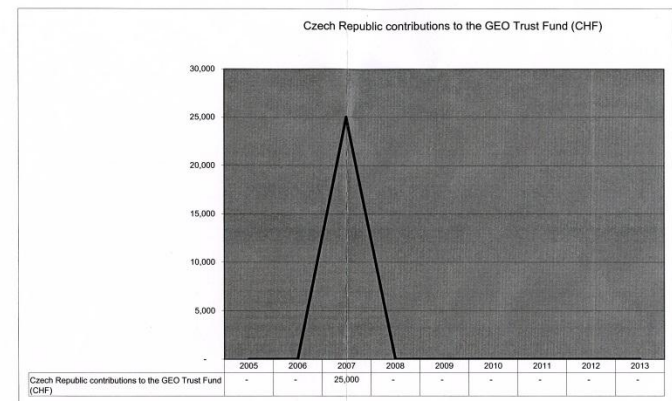
Skupina pro pozorování Země

- Mezivládní skupina
- Založena v červenci 2003 ve Washingtonu
- Struktura a pravidla v únoru 2005
- Hlavním cílem vytvoření GEOSS (Systém systémů pozorování Země / Global Earth Observation System of Systems)
- Dnes 88 států, Evropská komise a 67 mezivládních, mezinárodních a regionálních organizací



# Struktura GEO

- GEO Plenary (1x ročně, zástupce všech členů)
- Executive Committee (13 členů, regionální rovnováha)
- Sekretariát sídlí v budově SMO v Ženevě (ředitel, 14 zaměstnanců)
- Financování z dobrovolných příspěvků



# GEO v praxi

- GEO Communities

- Air Quality
- Biodiversity
- Carbon
- Coastal Zone
- Energy
- Forests
- Geohazards
- Global Agricultural Monitoring
- Health and Environment
- Water Cycle

- GEO Communications

- News
- Press Release
- Publications
- Posters and Brochures
- Videos
- Portal

[www.earthobservations.org](http://www.earthobservations.org)

- Meetings
- Workshops
- Summits
- Plenary



# Struktura GEOSS



*ID-01-C1: Advancing GEOSS Data Sharing Principles (Radim Tolasz, ČHMÚ)*

*HE-02-C2: Global monitoring of Persistent Organic Pollutants, Emerging Contaminants and Global Change Indicators (Jana Klánová, RECETOX)*

- Odborné části
  - Katastrofy
  - **Zdraví**
  - Energie
  - Klima
  - Zemědělství
  - Ekosystémy
  - Biodiversita
  - Voda
  - Počasí
- Infrastruktura
  - Struktura
  - **Datová správa**
- Instituce a rozvoj
  - Věda a technologie
  - Uživatelé
  - Možnosti

# Příklady

- Katastrofy
- Zdraví
- Energie
- Klima
- Zemědělství
- Ekosystémy
- Biodiversita
- Voda
- Počasí

**SoDa Solar Energy Services for Professionals**

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You are here: Home / Eng / Services / SoDa - Free time-series of solar radiation data

**Webservices Info**  
Solar data for free  
Solar data for pay  
Maps for free  
Maps for pay  
HelloClim Info

**News & Events**  
SoDa has more and more success! See the statistics.  
We launched a survey to know you better. The analysis is complete. Results are available.

**Time Series of Solar Radiation Data - for Free**

To launch a service, click on the appropriate button (rectangle) on right.

**INFORMATIONS about**  
- the different plane orientations and radiation components and their usage,  
- how the data are aggregated from the 15-min. Meteosat satellite images,  
- link to the corresponding services for Registered Users only  
News! our most advanced version of HelloClim (3) has now been fully compared with all the ground station irradiation values available version of the website, available by the end of the year 2012.

**Summary of the free data:**

- **HC1:** whole dataset without restriction (i.e. from 1985 to 2005, approx. 20 km spatial res)
- **HC3:** all the services but restricted to 2005
- **NASA-SSE:** whole dataset without restriction from July 1983 to June 2005, 1 degree of spatial res)
- **NASA-SSE + HC1:** whole dataset without restriction (best spatial resolution between NASA-SSE and HC1)

	Horizontal Plane global radiation	Inclined Plane global direct diffuse	Plane normal to sun rays (DNI) global direct diffuse
Month	HC1month [1]	HC3month [1]	HC1monthDNI [1]
	HC3month [1]	HC3month [1]	HC3monthDNI [1]
	HC3month [1]	HC3month [1]	HC3monthDNI [1]
	HC3month [1]	HC3month [1]	HC3monthDNI [1]

**Fire Danger Forecast 2013**

Source: [France France (10 km resolution)]

Index: [Fire Weather Index (FWI)]

May: [29] [30] [31]

Hot Spots: [24 hrs] [7 Days] [30 Days]

Burnt Areas: [24 hrs] [7 Days] [30 Days] [All]

Country Boundaries: [checked]

MapLayers: [checked]

Fire Danger Forecast:  
Very Low  
Low  
Moderate  
High  
Very high

Burnt Area Locator:  
Country: [All]  
Province: [All]

Last update: 2013-05-10  
Start Date: 2013-03-03  
Area: 123.76  
Country: Germany  
Province: Saksfurglandstei  
Last update: 2013-05-10  
Start Date: 2013-05-14  
Area: 461.66  
Country: Spain  
Province:  
Last update: 2013-05-10  
Start Date: 2013-05-14  
Area: 1000.00

**GLOBAL BIODIVERSITY INFORMATION FACILITY**

SPECIES COUNTRIES DATASETS OCCURRENCES SETTINGS ABOUT

Free and open access to biodiversity data

Welcome to the GBIF Data Portal  
Access 397 098 605 data records (344 209 481 with coordinates) shared via the GBIF network.  
To learn how to use this site, please see About.  
To tune this site for smaller displays, see Settings.  
Version 1.2.6 - click here to see what is new!

**Explore Species**  
Find data for a species or other group of organisms.  
Species: Information on species and other groups of plants, animals, fungi and micro-organisms, including species occurrence records, as well as classifications and scientific and common names.  
Example species: *Puma concolor* (Linnaeus, 1771)

**Explore Countries**  
Find data on the species recorded in a particular country, territory or island.  
Countries: Information on the species recorded in each country, including records shared by publishers from throughout the GBIF network.  
See data for: Czech Republic

**Explore Datasets**  
Find data from a data publisher, dataset or data network.  
Datasets: Information on the data publishers, datasets and data networks that share data through GBIF, including summary information on 10085 datasets from 486 data publishers.  
Latest dataset added: Schmidt: Museum of Natural History\_Mammals

**AWCI Asian Water Cycle Initiative**

Global Earth Observation System of Systems / Asian Water Cycle Initiative

Home | Introduction | Plan | Progress | Products | Data | Capacity Building | Publications | Documents | Meetings | Partners | Links | Contact | News

20 Member Countries: [Nepal] [Bhutan] [Laos] [Mongolia] [Thailand] [Korea]

18 Demonstration Basins: [Himalayas] [Himalayas] [Himalayas] [Himalayas] [Himalayas] [Himalayas] [Himalayas] [Himalayas] [Himalayas] [Himalayas] [Himalayas] [Himalayas] [Himalayas] [Himalayas] [Himalayas] [Himalayas] [Himalayas]

News Archive:  
23.05.13: The final report of the 4th supported project: River Management System Development in Asia (Based on Data Integration and Analysis System (DIAS)) under the GEOSS is now available.  
17.05.13: The AWCI Training Course on Improved Bias Correction and Downscaling Techniques for Climate Change Assessment including Onright Indices will be held in Tokyo, Japan, 18 - 20 June 2013.  
20.04.13: The 9th AWCI 100 meeting will be held in Tokyo, Japan, 29 - 30 September 2013 in conjunction with the Workshop on Climate

• GEOSS/AWCI: To promote integrated water resources management by making usable information from GEOSS, for addressing the common water-related problems in Asia.

Partners: GEO GROUP ON EARTH OBSERVATIONS, DIAS, ESR, APN

