



INTERNATIONAL  
COMMISSION  
ON  
STRATIGRAPHY



## Third circular

# ISSS GSSP Workshop – Prague 2015

## **GSSPs of the Silurian stages revisited**

Prague, Czech Republic

29–30 July 2015

The Organizing Committee cordially invites titular and corresponding members of the International Subcommission on Silurian Stratigraphy (ISSS) and additional members of the stratigraphic community interested in current agenda and research devoted to restudy of the GSSPs of some Silurian stages and series, to the ISSS GSSP Workshop 2015. A one-day indoor session of the working group will be held at the Geological Institute of the Czech Academy of Sciences in Prague 6, Lysolaje. A field trip scheduled for the second day will bring participants to important reference sections – potential candidates for the Aeronian and Homerian GSSPs – situated near Prague.

### **Sponsored by:**

Institute of Geology of the Czech Academy of Sciences; Czech Geological Survey  
International Subcommission on Silurian Stratigraphy; Czech National Geological Committee

**Organizing Committee:**

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**Objectives:**

The primary focus of the ISSS GSSP Workshop in Prague is on candidate sections for Aeronian, Telychian and (prospective) Homerian GSSPs. Current progress in multi-proxy studies on Rhuddanian-Aeronian boundary section in Hlásná Třebaň will be presented. Fossil material from the section will be available for study and discussion along with some graptolite type specimens from Barrandian area borrowed from Czech museums upon request. International participants have been encouraged to give presentations on current progress achieved in other candidate sections and other boundaries within the Silurian. Both Hlásná Třebaň section and Sheinwoodian-Homerian boundary section in Kosov Quarry will be visited by subsequent excursion.

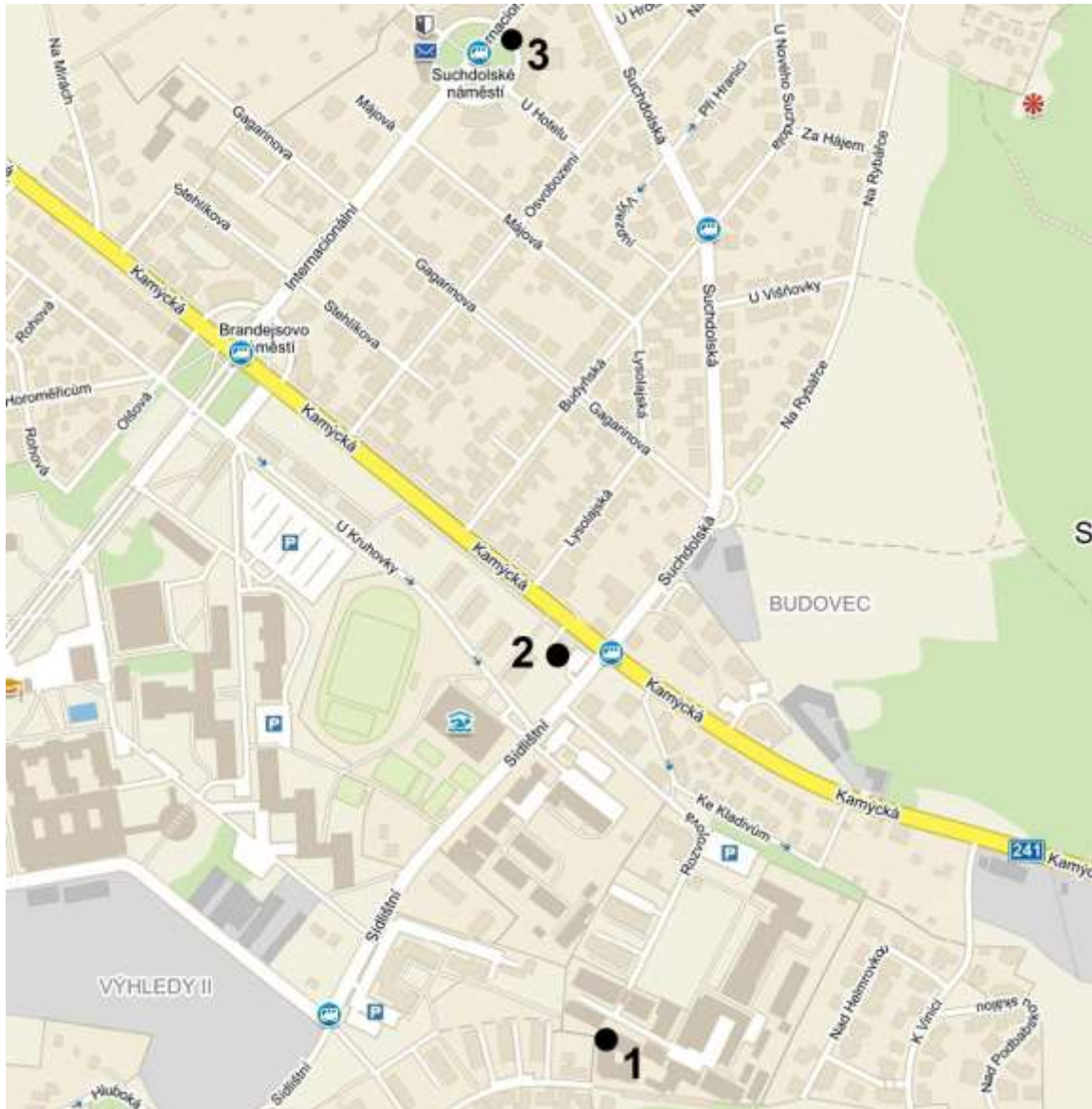
**Format of Workshop:**

No abstracts will be submitted and no publications will be produced directly from the workshop. The format will be open discussion of all participants searching for new Silurian GSSPs, particularly focused on Rhuddanian-Aeronian, Telychian and also Sheinwoodian-Homerian boundary sections. Specific **oral presentations limited to 20 minutes** will be **followed by 5 minutes for discussion**.

**Venue:**

Lecture room at the Institute of Geology , CAS, Rozvojová 269, Praha 6. (no. 1 on the map)

**Location:**



1 – Institute of Geology main building, conference venue (GSSP coordinates 50°7'35,90"N, 14°22'56,57"E)

2 – Hotel Jas, lodging, lunch place in July 29

3 – Hotel Galaxie, lodging

## **Program:**

### **Indoor session**

29 July 8.30–9.45 Registration at the Institute of Geology in Prague 6, Lysolaje (coffee available).

10.00 Opening and introduction talk (**Michael J. Melchin** and **Petr Štorch**)

10.15–10.40 **Junxuan Fan**, Michael J. Melchin, Carlton E. Brett, Qing Chen, Xu Chen, Peng Tang, Ping'an Peng: Recent advances in the study on the base of the Aeronian Stage at Shennongjia, China.

10.40-11.05 **Petr Štorch**, Jiří Frýda, Štěpán Manda, Zuzana Tasáryová, Leona Chadimová: Rhuddanian – Aeronian boundary beds in the Prague Synform with particular reference to Hlásná Třeboň section, Czech Republic.

11.05-11.30 **Anthony Butcher**: Preliminary chitinozoan data from a reanalysis of the Hlásná Třeboň section, Czech Republic.

11.35-11.55 **Natalia Walasek**: Biostratigraphy and palaeoenvironmental analysis of the lower Silurian of Siljan area, central Sweden.

11.55-13.30 Lunch break

13.30-13.55 **David Loydell**, Jiří Frýda, Juan Carlos Gutiérrez-Marco: The Aeronian – Telychian transition at El Pintado reservoir, Seville Province, Spain.

13.55-14.20 **Michael J. Melchin**, Junxuan Fan, Carlton E. Brett, Qing Chen, Xu Chen, Peng Tang, Ping'an Peng, Yu Liu: Recent advances in the study on the base of the Telychian Stage at Shennongjia, China.

14.20-14.45 **Georgia Witton-Maclean**: Lower Telychian graptolites of Litohlavy, Prague Synform, Czech Republic.

14.45-15.10 **Anna Kozłowska**: Influence of the lundgreni Event on the retiolitids (Graptolithina) evolution.

15.10-15.35 Coffee break

15.35-16.10 **Michael J. Melchin**: Integrating biostratigraphic and chemostratigraphic data: analysis and testing of GSSPs using Horizon Annealing for high-resolution correlation.

16.10–18.00 Discussion on graptolite material from Czech Aeronian sections (relevant specimens will be made available upon preliminary request).

19.00 Workshop Dinner near Prague Castle

### **Field excursion**

30 July 9.00-18.00. Silurian reference sections of the Prague Synform, Barrandian area, central Bohemia.

Stops: 1) Base Aeronian at Hlásná Třebaň section (section comprises upper Hirnantian part of Kosov Formation, Ordovician-Silurian boundary, Rhuddanian and lower and middle Aeronian graptolitic black shales).

*(Packed lunch)*

2) Silurian succession in Kosov Quarry: a) base Homerian graptolite-dominated black shales with scattered elements of pioneer benthic assemblage, b) mid Homerian Lundgreni (Mulde) Event in graptolite-dominated black shales with intermittent pioneer benthic assemblage, c) Ludfordian Lau-Kozlowskii Event in limestone dominated succession with graptolites and benthic fauna.

3) Classical Barrande's locality of the lower Telychian graptolites at Litohlavy.

### **Registration and fee:**

Registration fee **100 USD** will cover costs of Workshop Dinner, public transport in Prague, workshop materials, and one day field excursion. Accommodation will be paid separately.

Registration fee has been covered for registered participants thanks to significant funding from ICS obtained by ISSS. Questions should be directed to ISSS Chair, Michael J. Melchin ([mmelchin@stfx.ca](mailto:mmelchin@stfx.ca))

### **Lodging:**

Nearby hotels in Prague 6 Suchbátka and Lysolaje, ranging from **50 USD to 130 USD** per night.

<http://www.hoteljas.cz> (within walking distance from the conference location, no. 2 on the map)

<http://www.hotelgalaxie.cz> (three bus-stops – ca 5 minutes -from the conference location, no. 3 on the map)

Contact organizers for further accommodation options.

**Transportation:**

Prague Airport is offering direct flights from 108 destinations in 50 countries. For those returning from STRATI 2015 in Graz to Vienna, both coach, train, and airplane connections are operated between Vienna and Prague. Transfer from PRG airport involves taxi, shuttle minivans or buses. Visitors can take advantage of the dense network of public transport based on trams and underground (metro).

**Contact information for the ISSS Workshop, Prague 2015**

General questions about the workshop, scientific sessions and excursion should be directed to Petr Štorch ([storch@gli.cas.cz](mailto:storch@gli.cas.cz)). Between April 17-April 29, in urgent affairs contact Zuzana Tasaryova ([zuzana.tasaryova@geology.cz](mailto:zuzana.tasaryova@geology.cz))

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