

**2nd** International Workshop on  
**Ancient Hydrocarbon Seep  
and Cognate Communities**  
13th-15th June 2019, Sapporo, Hokkaido, Japan  
Field Trip: 10th-12th June, 2019, Hokkaido

Pre-meeting field trip is  
available! (10th-12th June)



June 13-15, 2019  
Sapporo, Japan  
Hokkaido University Museum

## *Program*



NAKAGAWA ECOMUSEUM CENTER



website: <http://seep.geobiology.jp>

e-mail: [seep2019-office@seep.geobiology.jp](mailto:seep2019-office@seep.geobiology.jp)

Organized by Organizing committee of the 2nd International Workshop on Ancient Hydrocarbon Seep and Cognate Communities, Hokkaido University Museum.



The Hokkaido University Museum

## Contents

1. Registration .....	P.2
2. Pre-meeting field trip .....	P.2
3. Travel Information.....	P.2
4. Contact .....	P.2
5. Map .....	P.3
6. Program.....	P.4

### 1. Registration

#### Registration Fee:

**10,000 yen for regular participants.**

**6,000 yen for students.**

The registration fee for regular participants and students includes: abstract volume, welcome drink, official grill party at the Sapporo Beer Garden on June 14th, 2019, and presentation sessions. If you have an accompanying person, please let us know during web registration (actual expenses will be charged).

Registration will be opened at 10AM on June 13th, 2019 at the conference site (Hokkaido University Museum).

### 2. Pre-meeting field trip

#### Schedule of the field trip

##### **10th June 2019**

8:30AM Meeting at the JR Sapporo Station North Exit (East side).

Travel to Cenomanian (Late Cretaceous) seep along Kanajirisawa Creek in Obira Town.

Night: Accommodation in the Nakagawa Town (PON-PIRA AQUA Hotel).

##### **11th June 2019**

Nakagawa tour! We will go to the Yasukawa and Omagari seep sites (Santonian-Campanian, Late Cretaceous) with observation of channel-levee deposits. You can find well-preserved ammonoids, too. We will also visit the Nakagawa Museum of Natural History.

Night: Accommodation in the Nakagawa Town (PON-PIRA AQUA Hotel).

##### **12th June 2019**

visit the Miocene seep sites at Morai along the coast of the Sea of Japan.

Return to Sapporo in the evening.

#### Cost

30,000 Yen including accommodation and meals (din-

ners and breakfast) for two days. A field guide is also provided.

### 3. Travel Information

The workshop will be held at the Hokkaido University Museum in Sapporo City, Hokkaido, Japan. The museum is located in walking distance from the Sapporo Station (the largest station in Hokkaido). You can find many hotels in Sapporo City.

#### **Climate in June**

During June, average temperatures in Sapporo range from 13°-21°C. Mostly sunny and dry (averaged monthly rain days is 6 days), but it can be rainy.

On the other hand, temperature in Nakagawa Town, we will visit for the field work if you applied, is much lower than Sapporo City.

#### **Finding Your Way from the JR Sapporo Railway Station**

The museum is located in the Hokkaido University Sapporo campus about 10 minutes on foot from the northern entrance of the JR Sapporo Railway Station.

You can enter the main gate of the Hokkaido University and find the statue of Dr. William S. Clark. Then, you can follow the avenue of the Poplars with the Hokkaido University Museum (see following map).

Motor vehicles are not allowed on Hokkaido University grounds, so you will need to come by bus, subway, or other public transportation.

#### **From New Chitose Airport (Shin Chitose Airport)**

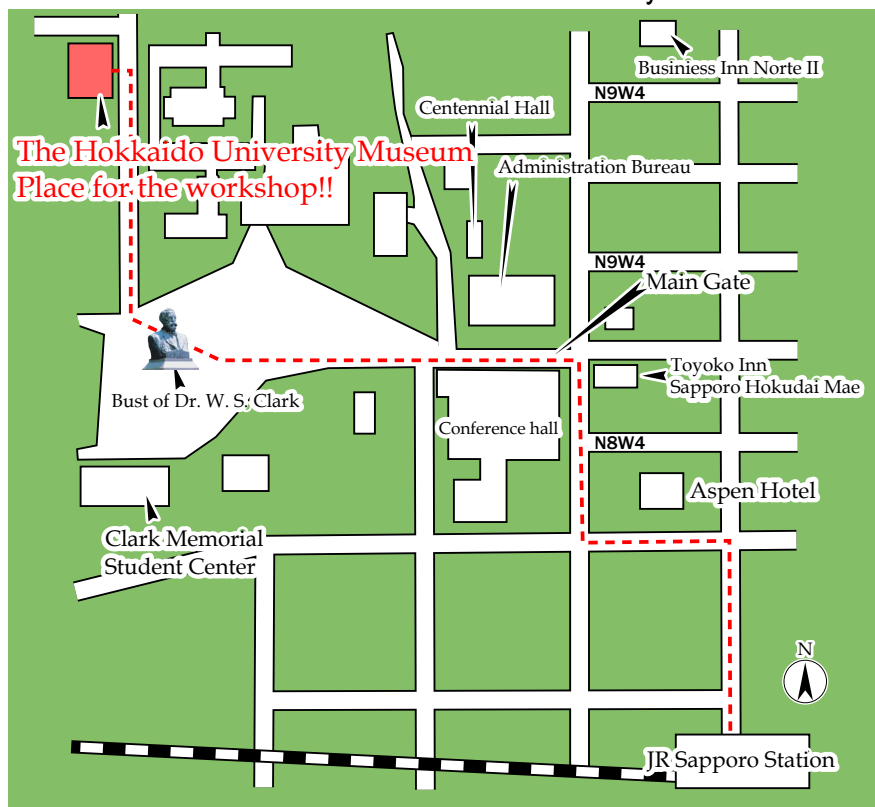
The best way to get JR Sapporo Railway Station from the New Chitose Airport is to board JR Airport Express Train. It takes only 30 minutes from airport to Sapporo Station.

### 4. Contact address

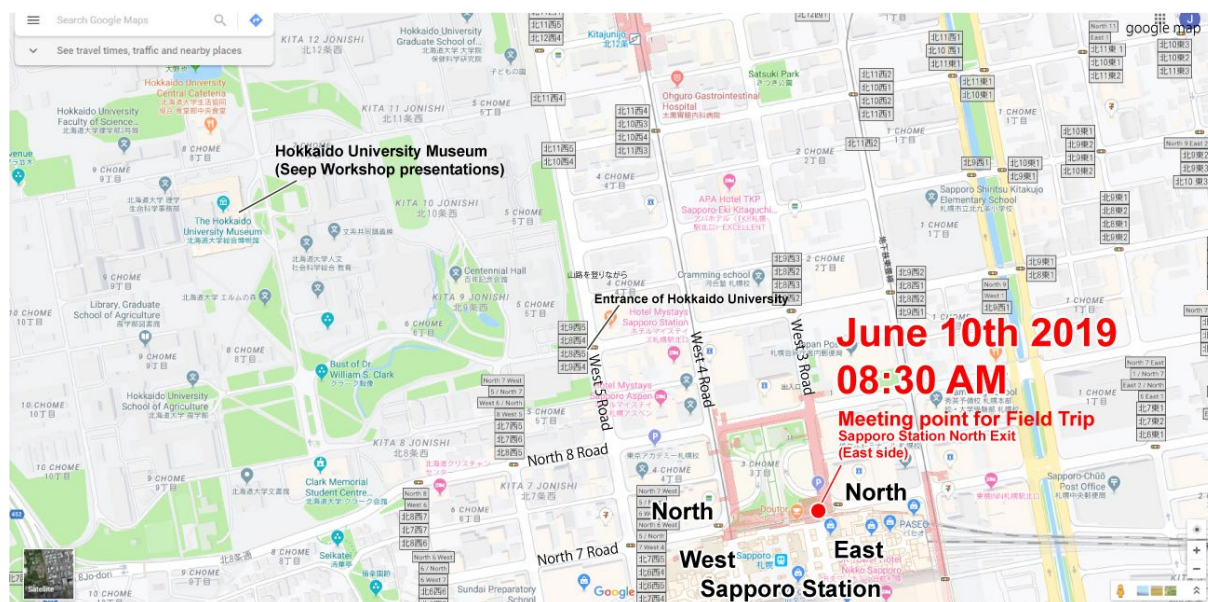
If you have any question, feel free to contact to office of the organizing committee (seep2019-office@seep.geobiology.jp).

## Map (Place of workshop: Hokkaido University Museum)

MAP around Hokkaido University



## Map (Meeting place for pre-workshop field trip)



## Time Table

June 13, 2019

**10:00 Open for Registration at the Hokkaido University Museum**

**10:30 Opening address**

### Seep system

Keynote

**10:40-11:30 O-01 Ijiri, A.**

Significance of biogeochemical processes in submarine mud volcanoes

**11:30 Break**

**11:50 O-02 Jakubowicz, M., Kiel, S., Goedert, J., Dopieralska, J. and Belka, Z.**

Reconstructing a fluid expulsion system during early evolution of the Cascadia margin: a message from isotopic composition of mid-Eocene methane seep carbonates (Humptulips formation, Washington, USA)

**12:20 O-03 Miyajima, Y., Jakubowicz, M. and Hirata, T.**

*In situ* Sr isotope analysis and U-Pb dating of methane-seep carbonates: Insight into origin of seeping fluids at Cretaceous seeps in Hokkaido, Japan

**12:50 Lunch Break**

### Seep fauna

**14:20 O-04 Kiel, S.**

An update on Cenozoic seep faunas

**14:50 O-05 Pisera, A., Hryniewicz, K., Bitner, M. A. and Kaim, A.**

Extant and fossil sponges associated with hydrothermal vent and cold seep communities

**15:20 O-06 Kato, M.**

Echinoderms in chemosynthetic communities: their foods, habitats, evolution and roles in the ecosystem

**15:50 Break**

**16:10 O-07 Klompmaker, A. A., Nyborg, T., Brezina, J. and Ando, Y.**

Crustaceans from fossil cold seep environments

**16:40 Poster session**

**P-01 Hryniewicz, K., Amano, K., Bitner, M.A., Hagström, J., Kiel, S., Klompaker, A.A., Mörs, A., Robins, C.M. And Kaim, A.**

A late Paleocene fauna from seep and associated sunken driftwood from Spitsbergen, Svalbard, and its evolutionary significance

**P-02 Bitner, M. A., Hryniewicz, K., Amano, K., Jenkins, R.G. And Kaim, A.**

New data on non-dimerelloid brachiopods from chemosynthesis-based communities

**P-03 Seki, A. and Jenkins, R.G.**

Pleistocene shallow-water whale-fall community from the Omma Formation in central Japan

**P-04 Suzuki, M., Jenkins, R.G., Ogiso, S. and Suzuki, N.**

Taxonomy and diet of the Ophryotrocha (Annelida: Dorvilleidae) from whale-falls in the Tsukumo Bay, Japan

**P-05 Hikosaka, M., Kimura, K., Watanabe, K. H., Chen, C., Takahashi, Y. and Jenkins, R.G.**

Minerals in the gill chamber and the digestive tract of hydrothermal vent-shrimp

**17:20**

**Welcome party**

## **June 14, 2019**

### **Biotic response to environment**

- 10:30 O-08 Jenkins, R.G.**  
Epifaunal bivalves in seeps: rethinking its meaning and reasons
- 11:00 O-09 Sato, K., Chen, C., Jenkins, R.G. and Watanabe, H. K.**  
Shell microstructures of vent and seep pectinodontid limpets: Implications on phenotypic changes and systematics
- 11:30 Lunch Break**
- 13:00 Business Meeting (publishing 'seep book' from Springer and other things)**

### **Wood- and Whale-fall communities, and non-seep community**

- 13:40 O-10 Brezina, J. A., Larson, N. L. and Landman, N. H.**  
Fossil wood fall and associated fauna from the Late Cretaceous Western Interior Seaway in South Dakota
- 14:00 O-11 Watanabe, S.**  
Transportation processes of organic matter from whale bones during formation of whale-fall communities
- 14:20 O-12 Hryniewicz, K. Bakayeva, S., Heneralova, L. and Kaim, A.**  
Chemosymbiotic bivalves from Eocene deep-water deposits of Eastern Carpathians (Ukraine) and their taphonomy
- 14:50 Coffee Break**

### **Local to Global**

- 15:10 O-13 Shimazu, N. and Jenkins, R.G.**  
Early Cretaceous Utagesawa seep community from Yubari City, Hokkaido, Japan
- 15:30 O-14 Kaim, A., Little, C.T.S., Mears, E., Kennedy, W. J. and Anderson, L.**  
Fossil associations from Turonian, Upper Cretaceous hydrothermal vent deposits from Cyprus, A glimpse into Mesozoic hydrothermal vent ecosystems
- 16:00 O-15 Amano, K., Jenkins, R.G., Miyajima, Y. and Kiel, S.**  
Evolution and geographic distribution of chemosynthetic bivalves in Japan
- 16:30 Closing talk**

**18:30 Meet at the Gate of Hokkaido University for Banquet**

**19:00 Banquet**

## **June 15, 2019**

**One-day field and museum tour (Misaka City Museum and Eocene seep locality in Mikasa City)**