

The background of the entire page is a detailed illustration of a prehistoric scene. In the foreground, a large, scaly fish with a prominent head and small eyes swims in murky, greenish-brown water. On the shoreline, several scorpions are visible, along with some fern-like plants. In the distance, there's a body of water with a small island and a few trees under a hazy, orange-tinted sky, suggesting a sunset or sunrise.

Conference program

**TRIGGER FACTORS  
OF THE EVOLUTION  
OF THE ORGANIC WORLD**

February 16—17, 2021

## **“TRIGGER FACTORS OF THE EVOLUTION OF THE ORGANIC WORLD”**

(using information and communication technologies  
in partially remote, remote mode)

The international conference is held within the framework of the Russian-British grant (project of the Culture and Education Department of the UK Embassy — «**University Alliance**») «How did the environment react to climate change during the Devonian time in the European part of the Arctic?».

### **Objectives:**

Sustaining links between UK and Russian peoples on a wide range of subjects, promoting collaboration and fostering mutual respect. The project of a significant degree contributes to the goals of the national programs of the Russian Federation “Science” and “Education”.

**Moderator — Professor John Marshall**

<b>Time (Moscow)</b>	<b>Name</b>	<b>Country</b>	<b>Theme</b>
<b>February 16, the first day of the conference</b>			
14:00	Acad. Valery Charushin	Russia	On the Russian-British projects of the Ural Branch of the Russian Academy of Sciences, the contribution of joint scientific research in the study of the Arctic
14:15	Dr. Igor Burtsev	Russia	Institute of Geology in the economy and social structure of the Komi Republic
14:30	Prof. Olga Telnova	Russia	About the Russian-British project “How did the environment react to climate change during the Devonian time in the European part of the Arctic?”: Goals and objectives, project participants
14:45	Acad. Sergey V. Rozhnov	Russia	The Silurian-Devonian disparid crinoids with aberrant bodyplan: morphogenesis, adaptations and evolution triggers

15:25	Dr. Victor Babenko, Nadezhda Kotelina, Olga Tel'nova	Russia	Problems and prospects of using recognition algorithms and machine learning for diagnosing Devonian spores
15:45	Dr. Andrey Zhuravlev	Russia	Dynamics of conodont ecogeochemistry and overturn of pelagic ecosystems during the Hangenberg crisis and recovery (NE Laurussia as example)
<b>Coffee Break 16:15—16:50</b>			
17:00	Prof. John Marshall	UK	UV-B radiation was the Devonian-Carboniferous boundary terrestrial extinction kill mechanism
17:45	Prof. Brian D. Fields	USA	Supernova Triggers for End-Devonian Extinctions?
18:30	Prof. Tatyana Shumilova	Russia	Diamond fossils as a new key for Astrobiology
18:55	Acad. Per E. Ahlberg	Sweden	The extraordinary Devonian tetrapods of Timan
<b>End of conference 19:40</b>			

## February 17, the second day of the conference

### Workshop

14:00	Dr. Christopher Berry, Amy Wyatt, John E. A. Marshall	UK	The first forests of the present day Arctic Ocean coast
14:40	Dr. Neil Davies	UK	The Devonian Landscape Factory: plant-sediment interactions in the Old Red Sandstone of Svalbard and the rise of vegetation as a biogeomorphic agent
15:30	Pavel Beznosov	Russia	Devonian sections of North Timan: an unexplored paleontological treasury

16:10	Dr. Ģirts Stinkulis	Latvia	Preliminary interpretation of sedimentary Environment of the Frasnian deposits at vicinity of the eastern Ludovatj cape and lower reaches of the Velikaya river (North Timan, Russia)
<b>Coffee Break 17:00 — 17:30</b>			
17:50	William McMahon	UK	Earth's Palaeozoic mudstone revolution
18:10	Anthony P Shillito	UK	Ichnological signatures of the Siluro-Devonian colonization of the continents
18:30	Hannah Byrne	Sweden	Tides: A key environmental driver of bony fish (osteichthyan) evolution and the fish-tetrapod transition?
18:50	Amy Wyatt	UK	Brief report of Svalbard plants
19:10	Emma Reeves	UK	Tournaisian (Early Carboniferous) recovery of terrestrial vegetation following the End Devonian Mass Extinction in the United Kingdom
19:30	Matthew Smart	USA	Tracking phosphorus across the Kellwasser Event: a nutrient profile from Euramerica



Web site:  
<https://geo.komisc.ru>



Live stream:  
<https://www.youtube.com>

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Institute of Geology of the Komi Science Center of the Ural Branch of the Russian Academy of Sciences. *Pervomayskaya st., Syktyvkar, 167982, Russia*

Painting by Mikhail Shekhanov