**Workshop “Technology, natural resources and crises in the past and present of Europe and beyond”**

**National Research University Higher School of Economics, St. Petersburg**

**Tensions of Europe Network, the Foundation for the History of Technology**

**University of Aarhus**

**21-22 October, St. Petersburg**

**3 Kantemirovskaya st., room 247**

**21st October**

**Opening. 9:30 – 10:30.**

**Daniel Alexandrov (***Higher School of Economics, St. Petersburg*).Welcome from the Head of St. Petersburg School of Social Sciences and Humanities of Higher School of Economics.

**Erik van der Vleuten** (*Eindhoven University)* “Technology and the Making of Europe's Grand Challenges: A Transnational History (ca 1850-Today)”

**Julia Lajus** (*Higher School of Economics, St. Petersburg)* “Natural resources in history of Russia: economic institutes, communities of experts and infrastructures”, a new project funded by Russian Science Foundation.

**10:30-10:50 – Coffee break, room 259**

**Session 1. Water and landscape in past and present. 10:50 – 12:30.**

Chair: **Maria Paula Diogo** (*NOVA University of Lisbon*)

10:50 -11:10 *-***Deniz Karakas***(Sabanci University)* “Making of Water Supply Infrastructure in early modern Istanbul”

11:10-11:30 - **Vincent Lagendijk** (*Maastricht University*) “The TVA and Damming Riverine Resources”

11:30-11:50 - **Simo Laakkonen** (*University of Turku*), **Alla Bolotova** (*European University at St. Petersburg*) “Water protection policy in Leningrad”

11:50-12:10 – Commentary: **Alexey Kraikovsky** (*European University at St.Petersburg)*

**12:10 – 13:30 – Lunch**

**Session 2. Mining. 13:30 – 15:10**

Chair: **Elena Kochetkova** (*Higher School of Economics, St. Petersburg)*

13:30-13:50 - **Anna Åberg** (*Chalmers University of Technology*) “Taming the ‘uncertainty monster’ of non-conventional mining in the Anthropocene: An analysis of deep sea- and space mining”

13:50-14:10 - **Ole Sparenberg** (*Saarland University*) “The Rise and Fall of Deep Sea-Mining or the Making and Unmaking of a Natural Resource”

14:10-14:30- **Hanna Vikström** (*Royal Institute of Technology, Stockholm*) “Scarcity and Strategy: Illuminating the Role of Rare Metals”

14:30-14:50 -**Urban Wråkberg** (*The Arctic University of Norway, Campus Kirkenes*)“Scientists as Executives: Scandinavian Reflections on the USSR Establishment of Mining on the Kola Peninsula”.

14:50-15:10 – Commentary: **Dag Avango** (*Ro*y*al Institute of Technology, Stockholm)*

**15:10 – 15:30 – Coffee break,room 259**

**Session 3. Natural resources in history of Russia. Part 1. 15:30 -17:50**

Chair: **Per Högselius** (*KTH Royal Institute of Technology*)

15:30 – 15:50 -**Alexey Kraikovsky** *(European University at St. Petersburg)* **and Margarita Dadykina** *(Higher School of Economics, St. Petersburg)*“The Green Gold”. Towards the history of energy in the pre-industrial Russian economy.

15:50 – 16:10 -**Margarita Dadykina** (*Higher School of Economics, St. Petersburg)* “Managing the Space: The Structure and Organization of the Communication System in the Monastery Economy in the XVI-XVII Centuries”

16:10 – 16:30 -**Aleksandra Bekasova, Julia Lajus** (*Higher School of Economics, St. Petersburg)“*Making of concept of natural resources in Russia: experts, surveys, and local users  (the second half of the 18 -- the first half of the 19th centuries)”

16:30 – 16:50 -**Elena Korchmina** (*Higher School of Economics, Moscow*) “Changes in the usage mode of forest and water resources in the landed households in the second half of the 18 -- the first half of the 19th centuries”

16:50 – 17:10 – Commentary: **Andrei Volodin** (*Moscow State University*)

**17:10 – 17:30 – Coffee-break,room 259**

17:30 -18:30 - **Opening of the Laboratory for Environmental and Technological History**

**22nd October**

**Session 4. Crises and sustainability. 9:30 –11:30**

Chair: **Aleksandra Bekasova** (*Higher School of Economics, St. Petersburg)*

09:30-09:50 - **Andrzej Ancygier** (*Climate Analytics/NYUBerlin*) “What drives the development of low-carbon technologies?”

09:50-10:10- **Ermioni Frezouli, Aristotle Tympas, Stathis Araposthathis** (*National and Kapodistrian University of Athens*) “On the Resources-Sustainability Relationship: Considerations from the History of Technology”

10:10-10:30- **Elena Kochetkova** (*Higher School of Economics, St. Petersburg*) “Natural Resources in the Soviet Union, 1940s-1980s: Between Devastation and Protection”

10:30-10:50 - **Viktor Pál** (*University of Tampere*) “From Chernobyl to Kolontár. Environmental Traumas and Environmental Hazard in State-Socialist and Post-Socialist Hungary”

10:50-11:10- **Elitsa Stoilova** (*Plovdiv University*) “Biodiversity as cultural and technological resource”

11:10-11:30- Commentary: **Oleg Reut** (*Institute of Economics of the Karelian Research Centre of the Russian Academy of Sciences/The North-West Institute of Management of the Russian Federation Presidential Academy of National Economy and Public Administration)*

**11.30 – 11.50 – Coffee break,room 259**

**Session 5. Natural resources in history of Russia. Part 2. 11:50 - 13:10**

Chair: **Luísa Sousa** (*NOVA University of Lisbon*)

11:50 – 12:10 -**Anastasia Fedotova** (Institute*for the History of Science and Technology RAS*, St. Petersburg**), Alexei Kouprianov** (Higher School of Economics, St. Petersburg) **“**Insecticides & locust control in the arid regions of the Russian Empire, 1910s”

12:10 – 12:30 - **Marina Loskutova** (*Higher School of Economics, St. Petersburg) “*Napoleonic wars, exploitation of forests and Russian timber trade in the Baltic area”

12:30 – 12:50 - **Andrei Volodin** (*Moscow State University*) "The Paradox of Plenty: theory and history in Russian case"

12:50 – 13:10 - Commentary: **Douglas Weiner** (*University of Arizona*)

**13:10 – 14:00 – Lunch**

**Session 6. Colonialism and transnational connections. 14:00 – 15:20**

Chair: **Urban Wråkberg** (*The Arctic University of Norway, Campus Kirkenes*)

14.00-14.20- **Erik van der Vleuten, FrankVeraart** (*Eindhoven University of Technology*) “Resource Imperialism? the Sustainability Impacts of Dutch Transnational Supply Chains in the Global South, 1870-2020”

14.20-14.40 - **Maria Paula Diogo, Ana Paula Silva, Luísa Sousa, Jaume Valentines-Alvarez, Bruno Navarro, Ivo Louro** (*NOVA University of Lisbon*)“Anthropolands. Common pathways among colonial technologies, anthropocene and crisis”

14.40-15.00 - **Per Högselius, Dag Avango, David Nilsson** (*KTH Royal Institute of Technology*) “Small countries and European resource colonialism”

15.00 – 15.20 – Commentary: **Alexander Semyonov** (*Higher School of Economics, St. Petersburg)*

**15.20-15.40 – Coffee-break,room 259**

**Round table of early career researchers.15.40 – 17.20.**

Chair and commentary: **Julia Lajus** (*Higher School of Economics, St. Petersburg*)

**Andrei Vinogradov** (*Kazan State University*) "Provincial forestry in the times of the Industrial Revolution: an example of the Kazan province"

**Aleksey Sobisevich** (*Institute for the History of Science and Technology RAS, Moscow*) “Russian colonization at Western Caucasus in the context of medicine and agricultural science”

**Anna Agafonova** (*Cherepovets State University*) “Reassembling the city of the Russian North, 1870 – 1917”

**Ekaterina Kalemeneva** (*Higher School of Economics, St. Petersburg*) “The Thaw in the Soviet Arctic: constructing ‘a new Soviet city’ in the Far North (the case of town of Mirnyi)”

**David Damtar** (*Higher School of Economics, St. Petersburg*) ''Indigenous and modern mining technology at crossroads; the colonial implants of 'resource use and resource curse' debates in Asante mining regions of the Gold Coast (1910-1930s)''

**VasiliyBorovoy** (*Higher School of Economics, St. Petersburg*) «Spitsbergen coal in the context of industrialization of the Soviet Arctic»

**Corinna Röver** (*KTH Royal Institute of Technology*)"Resource Reindeer? The integration of reindeer husbandry into Sweden's welfare-state economy during the post-war period"

**Anatoly Kurlaev** (*Ekaterinburg University*) “Technologies of mobility and development of Yamal resources: Nomad and industrial cultures”

**Julia Prikhodko** (*Surgut State Pedagogical University*) “Regional power station (GRES)in the heart of the taiga. Some aspects of the history of the building”

**17.20-17.40 – coffee break, room 259**

**17.40-18.40 -Round table “ToE Research Sub-Program “Technology, natural resources and crises in the past and present of Europe and beyond”: Opportunities for collaboration**

**Chair: Erik van der Vleuten** (*Eindhoven University)*, **Maria Paula Diogo** (*NOVA University of Lisbon*), **Elena Kochetkova** (*Higher School of Economics, St. Petersburg)*