



The 10th Tensions of Europe Conference: Technology, Environment and Resources

Aarhus University, Denmark, 29 June to 1 July 2022
Venue: Ny Munkegade 118, Building 1530, 8000 Aarhus C

Full programme

Wednesday, 29 June 2022

8:00-12:30 Registration (Entrance Hall)

9:00-10:30 **PLENARY SESSION 1**
Location: AUD. E (1533-125)

Conference welcome and introduction

Keynote: May Tan-Mullins (James Cook University, Singapore), Motives, modalities and mega projects - Reshaping the peripheries of China through BRI infrastructural projects

10:30-11:00 Coffee break
Get together of the ToE PhD/early career group in room Kol D (1531-211).

11:00-12:30 **PANEL SESSIONS 1**

Panel 1-1: Historical Perspectives on Energy Resources, Session 1 (triple panel). (In)visible Actors, Agency, and Infrastructures

Location: AUD E (1533-125)

Organizers: Ute Hasenöhrl, Odinn Melsted and Jan-Henrik Meyer

Chair: Jan-Henrik Meyer

Timothy Moss (Humboldt University of Berlin), Ourania Papasozomenou (Arden University Berlin), Marik Shtern (Truman Institute/Hebrew University Jerusalem) and Sertac Sonan (Cyprus International University), Powering the divided island: Electricity supply in Cyprus, 1956 to the present

Ute Hasenöhr (University of Innsbruck, Austria), Shaping nocturnal Accra (Ghana): Policies, politics and (energy) resources of urban colonial lighting (1920s-1940s)

Pål Nygaard (Norwegian Business School, Oslo), Spillover from nuclear research to the oil industry: The development of software to control the flow of oil and gas subsea

Panel 1-2: Environmental and Technological Legacies of Late Soviet Materiality

Location: AUD D1 (1531-113)

Organizers: Elena Kochetkova and Julia Lajus

Chair: Per Högselius

Julia Lajus (Max Planck Institute for the History of Science, Berlin), Increase of biological productivities and its technologies in the Soviet Union

Anna Petrova (St. Petersburg), Synthetic materials in the production of clothes: from a technological miracle to an eco- friendly and healthy lifestyle (online)

Evgeniia Platonova (St. Petersburg), Gendered Resources: The Choice of Materials in Soviet Clothing Design, 1950-1960s (online)

Kirill Chunikhin (St. Petersburg), Respiratory Safety and Late Soviet Biopolitics (online)

Elena Kochetkova (St. Petersburg), Food and Environment under State Socialism: From Food Wasting to Food Making (online)

Panel 1-3: Technology, Resources, and the Value of Antarctica, 1959-1991

Location: AUD D2 (1531-119)

Organizer: Peder Roberts

Chair: Christian Kehrt

Roman Khandozhko (Saint Petersburg), Mining the (Socialist) Future: Mineral Resources in Soviet Antarctic Imaginaries

Tayana Arakchaa (Tuvan Research Center, the Tyva Republic, Russia), The Soviet Krill Saga that was Supposed to Flourish (online)

Peder Roberts (KTH Royal Institute of Technology/University of Stavanger), Antarctic Minerals: A Question of Faith?

Janet Martin-Nielsen (Researcher—GRETPOL Project, Vilnius, Lithuania), Environment and Sovereignty in the Antarctic: The Terre Adélie Airstrip

Panel 1-4: Technological responses to crisis

Location: AUD D3 (1531-215)

Organizer: Anique Hommels

Chair: Léonard Laborie

Ginevra Sanvitale (Eindhoven University of Technology), The (emotional) Limits to Growth. Conflicts and continuities in technopolitical responses to global crises

Yannis Fotopoulos and Stathis Arapostathis (National and Kapodistrian University of Athens), Unbundling crisis: The Downfall of Greece's Economy and the riddle of Access in the Greek telecommunication regime

Anique Hommels (Maastricht University), Infrastructural responses to breakdown in cities: the Covid crisis and the introduction of temporary cycling infrastructure

Niels van Dijk (Vrije Universiteit Brussel), Public Dissections of Networked Infrastructures for Post-Truth

Panel 1-5: Land practices and environmental protection (PhD Session 1)

Location: AUD D4 (1531-219)

Chair: Nina Wormbs

Israel Saibu (Anchor University, Lagos Nigeria), Beninese labour migrants and their contributions to agricultural development in Ogun State Nigeria, 1960-2000

Olga Belichenko (Ca' Foscari University of Venice and National Museum of Natural History, Paris), Ethnobotanical practices of the Setos across generations and borders

Janne Mäkiranta (University of Turku, Finland), Clarifying the Air: Finnish Air Pollution Experts and the International Quest for Safe Air, 1940s-1970s

12:30-14:00 Lunch

14:00–15:30 **PANEL SESSIONS 2**

**Panel 2-1: Historical Perspectives on Energy Resources, Session 2 (triple panel).
Conceptual and Methodological Challenges**

Location: AUD E (1533-125)

Organizers: Ute Hasenöhr, Odinn Melsted and Jan-Henrik Meyer

Chair: Odinn Melsted

Trish Kahle (Georgetown University Qatar), 'Confidence in Our System': How an Electric Utility Reconfigured Consumption and Production in a Regional Energy System

Panagiotis Kazantzias (National and Kapodistrian University of Athens) and Aristotle Tympas (National and Kapodistrian University of Athens), From mythology to history of renewable energy: An Icarian experience

Michiel Bron (Maastricht University) and Jelena Stankovic (Maastricht University), Actor agency in MLP: the case of oil actors in nuclear and solar energy

Panel 2-2: Colonizing infrastructures and its technopolitics

Location: AUD D1 (1531-113)

Chair: Stefan Esselborn

Nkemjika Chimee Ihediwa (University of Nigeria, Nsukka), Investigating the social and environmental consequences of British colonial resource exploitation: Extrapolations from Nigeria (online)

Serkan Karas (University of Cyprus), Promise of Water Abundance and Normalisation of Water-intensive Development in Cyprus

Hugo Silveira Pereira (New University of Lisbon), Visual Criticality: Photography and Colonial Critical Infrastructure (Angola and Mozambique, 1880s-1930s)

Oleksandr Polianichev (Södertörn University), Tsar under the Palms: The Making of the Subtropics in the Late Imperial South Caucasus

Panel 2-3: ChaReTaPot – a network for forest by-products charcoal, resin, tar, potash

Location: AUD D2 (1531-119)

Organizer: Anna Varga

Chair: Ole Sparenberg

Jiří Woitsch (Czech Academy of Sciences), ChaReTaPot – Heritage

Magdalena Zborowska (Poznan University of Life Sciences), ChaReTaPot – Analytical characterization (online)

Oliver Nelle (Landesamt für Denkmalpflege Stuttgart), ChaReTaPot – Archaeology

Anna Varga (University of Pécs, Hungary) and Katja Tikka (University of Helsinki), ChaReTaPot – Environmental history (online)

Johannes Tintner (University of Natural Resources and Life Sciences), ChaReTaPot – Future perspectives (online)

Panel 2-4: Perceptions and constructions of environments: Enviropolitics in different regions

Location: AUD D3 (1531-215)

Chair: Martin Schmitt

Janne Mäkiranta (University of Turku), Managing Urban Air: American and Soviet Ideas of Clean Air in the 1960s

Alexandra Ciocănel (University of Bucharest and University of Manchester), The temporality of resources as a matter of concern in climate change skepticism

Jesper Zeuthen (Aalborg University), Authoritarian Bargaining of Greening in Chinese Land and Resource Politics

Panel 2-5: Grounding Histories of Europe and Beyond: Soil-forming processes from the 20th century

Location: AUD D4 (1531-219)

Organizer: Nina Toudal Jessen

Chair: Hanna Vikström

Roberta Biasillo (Utrecht University), Colonial and authoritarian soil in North Africa: the case of fascist Italian Libya (1922-1943)

Noémi Ujházy (Research Centre for Astronomy and Earth Sciences, Budapest),
Soil science, amelioration and land ownership in interwar Hungary

Nina Toudal Jessen (University of Copenhagen), Soil improvement schemes as
material reconfiguration

15:30-16:00 Coffee break

16:00-17:30 **PANEL SESSIONS 3**

**Panel 3-1: Historical Perspectives on Energy Resources, Session 3 (triple panel).
Industry and Institutions Managing Scarcity and Transition**

Location: AUD E (1533-125)

Organizers: Ute Hasenöhrl, Odinn Melsted and Jan-Henrik Meyer

Chair: Ute Hasenöhrl

Odinn Melsted (Maastricht University), Running out? The Construction of Oil
Scarcity in the 1970s

Jan-Henrik Meyer (Max Planck Institute), Constructing energy futures after the
oil crisis. How the European Communities tried to advance and regulate energy
transitions

Cyrus Mody (Maastricht University), Complementary Scarcities, Complementary
Transitions: Oil, Food, and International Development in the Long 1970s

Panel 3-2: Data in Jeopardy

Location: AUD D1 (1531-113)

Organizers: Frank Veraart, Irene Niet and Valérie Schafer

Chair: Irene Niet

Commentator: Frank Veraart

Alain Sandoz (Universities of Neuchâtel) and Léa Stiefel (University of Lausanne),
Data at risk. A twofold reflection, in agriculture and in research, on the risks
related to data

Vasilis Argyriou and Aristotle Tympas (National and Kapodistrian University of
Athens), Borders, Big Data, No Data: On Datafication Odysseys

Valérie Schafer (University of Luxemburg), Web archives of the COVID-crisis :
challenges related to short-term and long-term readability

Panel 3-3: Deep-sea mining: Resources, Technology, and the Environment at the Last Frontier on Earth

Location: AUD D2 (1531-119)

Organizer: Ole Sparenberg

Chair: Peder Roberts

Mats Ingulstad (Norwegian University of Science and Technology), A European Job? European integration and Deep Sea Minerals

Susanna Lidström (KTH Royal Institute of Technology, Stockholm) and Tirza Meyer (KTH Royal Institute of Technology, Stockholm), Deep Sea Mining – The Green Turn and the Blue Economy

Ole Sparenberg (Karlsruhe Institute of Technology), Metals we can all feel good about? Resources, Technology, and Environment in the Deep Sea

Panel 3-4: Fears, phobias, and their implications for STS

Location: AUD D3 (1531-215)

Organizers: Irina Fedorova (Friedrich–Alexander University Erlangen–Nürnberg) and Ekaterina Rybkina (Friedrich-Alexander University)

Special format: roundtable/brainstorming session

Participants: Ginevra Sanvitale, Karena Kalmbach, Julia Lajus, and Aske Hennelund Nielsen

17:30-17.45 Short break

17.45-19:00 **PLENARY SESSION 2 Celebration of the Tensions of Europe Anniversary**

Location: Location: AUD E (1533-125)

Keynote by Glenda Sluga (European University Institute, Florence – online) and Jens Boel (former director of UNESCO Archives)

Tensions of Europe plenary communications and discussion: Looking backward

Welcome reception in the canteen

Thursday, 30 June 2022

9:00-10:30 **PANEL SESSIONS 4**

Panel 4-1: Global Histories of Technology & the Environment: Current insights and future directions, Session 1 (triple panel)

Location: AUD E (1533-125)

Organizers: Jonas van der Straeten, Evelien de Hoop and Erik van der Vleuten

Chair: Erik van der Vleuten

Animesh Chatterjee (Technische Universität Darmstadt), Matthias Heymann (Aarhus University), Evelien de Hoop (VU Amsterdam), Prakash Kumar (Penn State) Jethron Akallah (Maseno University), and Erik van der Vleuten (TU Eindhoven)

Panel 4-2: Toxic Waste: Historical Approaches to Evasive and Mobile Matters

Location: AUD D1 (1531-113)

Organizer: Bettina Wahrig

Chair: Franziska Neumann

Bettina Wahrig (Technische Universität Braunschweig), The uncertainty of a presence: Arsenicals as a disturbing presence in mid-nineteenth century agriculture and consumer culture

Simone M. Müller (Ludwig-Maximilians-Universität München), Mutability and Mobility. Placing Waste Around the Globe (online)

May-Brith Ohman Nielsen (Agder University, Norway), Out of place? Spraying toxic waste in Norwegian woods 1957-2002 (online)

Panel 4-3: Opening the Nuclear Technological Black Box

Location: AUD D2 (1531-119)

Organizer: Siegfried Evens

Chair: Per Högselius

Achim Klüppelberg (KTH Royal Institute of Technology, Stockholm), The Wrong Water for a Right Purpose? A Tale of the Estonian Nuclear Power Plant Never Built at Lake Võrtsjärv

Stefan Esselborn (Technical University of Munich), Prying Open the Nuclear Black Box in Court: Technoscientific Knowledge in West German Administrative Court Trials (1970s/80s)

Tatiana Kasperski (Sciences Po Paris), Radioactive Disaster Management as a Nuclear Technology: The Case of post-Chernobyl Belarus

Siegfried Evens (KTH Royal Institute of Technology, Stockholm), “A Complicated Way of Boiling Water”: Nuclear Safety Governance and Its (Thermal)-Hydraulic Roots

Panel 4-4: Energy, materials, automobiles and environmental impacts

Location: AUD D3 (1531-215)

Chair: Aristotle Tympas

Yves Bouvier (Rouen Normandie University), Oil and neutrons: competition for energy resources, climate change and corporate strategies in postwar France.

Louise Skyggebjerg (Copenhagen Business School), The empty house and the black transition

Thomas Zeller (University of Maryland), The View from the Road as a Controversial Commodity: Scenic Roads in Germany and the United States

Michal Ďurčo (Slovak academy of Sciences), The limits to growth? Automobiles and nature in the High Tatras during the 20th Century

Panel 4-5: Resource use and its social impacts

Location: AUD D4 (1531-219)

Chair: Timo Leimbach

Henrik Knudsen (The Danish National Archive), Resources and restrictions: Ivittuut, Arsuruk and its long lockdown 1882-1931

Sabine Loewe-Hannatzsch (TU Bergakademie Freiberg/Freiberg University of Mining and Technology), Uranium Mining in the GDR – Environmental Pollution and Technological Development, 1946-1991

Clémence Gadenne-Rosfelder (Ecole des Hautes Etudes en Sciences Sociales), Technologising Agriculture. The Industrialisation of Pig Farming and the Disruption of the Nitrogen Cycle (Brittany, France, 1945-1995)

10:30-11:00 Coffee break

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11:00-12:30 **PANEL SESSIONS 5**

Panel 5-1: Global Histories of Technology & the Environment: Current insights and future directions, Session 2 (triple panel). Teaching panel: How teach global history of technology—globally?

Location: AUD E (1533-125)

Organizers: Jonas van der Straeten, Evelien de Hoop and Erik van der Vleuten

Chair: N.N.

Jethron Akallah (Maseno University), Stefan Esselborn (Technical University Munich), Felix Mauch (Technical University Munich) and Jonas van der Straeten (Eindhoven University of Technology)

Panel 5-2: Trash Talk – Waste Regimes and their narratives from the 18th to the 21th century

Location: AUD D1 (1531-113)

Organizers: Franziska Neumann and Christian Kehrt

Chair: Bettina Wahrig

Franziska Neumann (Technical University of Braunschweig), Filthy Matter? Narrating Excrement in Eighteenth-Century London

Eckart Voigts (Technical University of Braunschweig), Dust, Sewers, Filth: The Neo-Victorian Appropriation of 19th-Century Waste Regimes

Christian Kehrt and Christian Götter (Technical University of Braunschweig), From a Problem Solved to a Menace to Society – The Changing Semantics of Nuclear Waste in the Long 1970s

Rüdiger Heinze (Technical University of Braunschweig), Waste not, want not – Speculative Fiction Between Sustainability & Oppression

Panel 5-3: Material and Ungraspable Nuclearities: Consumption of Resources and Spaces in the Transnational Nuclear Fuel Cycle

Location: AUD D2 (1531-119)

Organizer: Melina Antonia Buns

Chair: Michiel Bron

Commentator: Anna Åberg

Christopher Hill (University of South Wales), Imperial History and the Strategic Nuclearities of Namibian Uranium

Per Högselius (KTH Royal Institute of Technology, Stockholm), The Metabolism of Nuclear Power Plants

Melina Antonia Buns (University of Stavanger/KTH Royal Institute of Technology), Shipping Nuclear Waste and Fluid Nuclearities in Border Environments

Panel 5-4: Technologies and politics of life

Location: AUD D3 (1531-215)

Chair: Stefan Krebs

Katerina Vlanti (National and Kapodistrian University of Athens & University of West Attica), Encountering the heterogeneous nature of biobanks: a taxonomy of past and current biobanking infrastructures in a national setting

Eduardo Relly and Maria Backhouse (Friedrich-Schiller-Universität Jena), Stevia as a genetic resource: bioeconomy, the last frontiers of commodification and strategies of access and benefit sharing

Hanna Vikström (Luleå University of Technology), Arctic teeth: The friction between a white smile and caries in northern Sweden, 1920-1938

Panel 5-5: Energy challenges and infrastructures (PhD Session 2)

Location: AUD D4 (1531-219)

Chair: Arne Kaijser

Duygu Dilek Kesen (Norwegian University of Science and Technology), Multinational oil companies operating in Turkey in the post-war era

Siegfried Evens (Royal Institute of Technology, Stockholm), Streams, Steams, and Steels: The Governance of Nuclear and Non-Nuclear Risks

Tijana Rupčić (Central European University, Vienna, Austria), Powering Connections: Transnational Electric Grids in the Balkans (1945-1975)

12:30-14:00 Lunch

14:00-15:30 **PANEL SESSIONS 6**

Panel 6-1: Global Histories of Technology & the Environment: Current insights and future directions, Session 3 (triple panel). Collective brainstorm: Future research, approaches, initiatives

Location: AUD E (1533-125)

Organizers: Jonas van der Straeten, Evelien de Hoop, and Erik van der Vleuten

Chair: Evelien de Hoop, Jonas van der Straeten and Erik van der Vleuten
Special format: Workshop/breakout groups/World Café-setting

Panel 6-2: Joint Roundtable: Toxic Waste and Trash Talk

Location: AUD D1 (1531-113)

Organizer: Bettina Wahrig and Franziska Neumann

Chair: Bettina Wahrig and Franziska Neumann

Bettina Wahrig, Franziska Neumann, May-Brith Ohman Nielsen, Simone M. Müller, Eckart Voigts, Christian Götter, Christian Kehrt, Rüdiger Heinze, Cora Buchenberger

Panel 6-3: Engaging the Atom. The need for historical research on nuclear energy in Europe

Location: AUD D2 (1531-119)

Organizer: Arne Kaijser

Chair: Thomas Kaiserfeld

Arne Kaijser (KTH Royal Institute of Technology), Jan-Henrik Meyer (Max Planck Institute for European Legal History), Markku Lehtonen (Universitat Pompeu Fabra, Spain), Maria Mar Rubio-Varas (Universidad Publica de Navarra, Spain), Brief introduction of the book *Engaging the Atom, The History of Nuclear Energy and Society in Europe from the 1950s to the Present*

Sonja Schmid (Virginia Tech), Comments on the book (online)

Per Högselius (KTH Royal Institute of Technology), Comments on the book and suggestions for future research

Panel 6-4: Revisiting the tools and data for a mediated planet

Location: AUD D3 (1531-215)

Organizer: Nina Wormbs

Chair: N.N.

Tirza Meyer (KTH Royal Institute of Technology, Stockholm), The mediated ocean – a short history of bionics and biomimicry in underwater technology

Erik Ljungberg (KTH Royal Institute of Technology, Stockholm), The role of deep learning in shaping the perception of Earth observation data as a resource

Nina Wormbs (KTH Royal Institute of Technology, Stockholm), The environmental sublime: Satellite technology and sea ice

15:30-16:00 Coffee break

16:00-17:00 **PLENARY SESSION 3**
Location: AUD. E (1533-125)

Keynote: Prakash Kumar (Pennsylvania State University), Imagining India's Agrarian Futures, 1912-72

17:00-18:00 **Tensions of Europe Tensions of Europe discussion and group practice**

Friday, 1 July 2022

9:00-12:30 **Special Mentoring Workshop for young scholars with Prof. May Tan-Mullins**
Location: Kol D (1531-211)
This mentoring workshop will address career development issues such as publishing, career selection, importance of conference and networking, and home-work balance.
Coffee break will be from 10:30-11:00

9:00-10:30 **PANEL SESSIONS 7**

Panel 7-1: Tensions of Oil. Technology, State Power, and Environment (double panel), Session 1: National, International Oil

Location: AUD E (1533-125)

Organizer: Saara Matala

Chair: Anna Åberg

Jens Millkrantz (Chalmers University of Technology, Sweden), Fuelling the nation, nationalising the fuel: Governmental attempts to nationalise the oil industry in Sweden, 1932-1947

Duygu Dilek Kesen (Norwegian University of Science and Technology NTNU), Escaping nationalization- The British Petroleum's oil policy in Turkey in the 1940s and 1950s

Saara Matala (Chalmers University of Technology), National Security, Security of Supply. Finnish-Soviet special relationship and oil in Finland, 1973-1992

Panel 7-2: Entangling Technological Infrastructures, Material Flows and Environmental Modernities, Session 1 (double panel)

Location: AUD D1 (1531-113)

Organizers: Frank Veraart and Stathis Arapostathis

Chair: Frank Veraart and Stathis Arapostathis

Commentators: Frank Veraart and Stathis Arapostathis

Per Högselius (KTH Royal Institute of Technology), The European Energy System: Between Resource Colonialism and Energy Transnationalism

Robrecht Declercq (Ghent University, Belgium), The technologies of economic geology in the 20th century: expanding the future of mining?

Efi Nakopoulou and Stathis Arapostathis (National and Kapodistrian University of Athens), Entangling materials and people: Constructing the geographies of the EU research networks for solar PV technologies

Panel 7-3: New Imperialism and the technoscientific construction of natural resources, 1870–1945

Location: AUD D2 (1531-119)

Organizers: Daniel Gamito-Marques and Leonoor Zuiderveen Borgesius

Chair: Martin Meiske

Daniel Gamito-Marques (NOVA University of Lisbon), Scrambling for the unknown: the invention of Portuguese colonial Africa

Leonoor Zuiderveen Borgesius (University of Oslo), Anticipation and Emptiness: Dutch colonialism and knowledge practices in Suriname in the late 19th century

Stine Alling Jacobsen (University of Oslo), Vertical territories - Mediation and materiality of Greenland's underground in the 19th and 20th centuries (online)

Panel 7-4: Microelectronics in the Eastern Bloc

Location: AUD D3 (1531-215)

Organizer: Falk Flade

Chair: Dagmara Jajeśniak-Quast

Commentator: Piotr Dumania (Institute of Microelectronics and Photonics)

Falk Flade (European University Viadrina, Germany), Foreign trade as an innovation barrier. (Self-)limited technology imports by GDR's microelectronics sector

Mirosław Sikora (independent researcher), Détente as a factor in the modernization of Polish computer industry 1960s-1970s

Victor Petrov (University of Tennessee), Technology transfers in the Bulgarian computer sector, 1960s-1970s

Panel 7-5: Negotiating Natural Resources: The Impact of Economics, Science, Law, and Technology on Governing Energy Systems and the Environment in the Federal Republic of Germany between the 1970s and 1980s

Location: AUD D1 (1531-113)

Organizers: Laura Kaiser, Thomas Lettang and Christopher Neumaier

Chair: Jan-Henrik Meyer

Laura Kaiser (The Leibniz Centre for Contemporary History ZZf Potsdam), Negotiations over Economic Incentives as Policy Instruments: The Role of the German Advisory Council on the Environment in the Implementation of the Polluter-Pays-Principle during the 1970s

Thomas Lettang (ZZf Potsdam), Remaking Consumer Choice: Negotiations on the Governability of Energy Consumption and Statehood in the Federal Republic of Germany (1970s and 1980s)

Christopher Neumaier (ZZf Potsdam), Quest for Clean Air and Fuel Efficiency: The Short-Lived Halcyon Days of Diesel Cars in West Germany during the 1970s and 1980s

10:30-11:00 Coffee break

11:00-12:30 **PANEL SESSIONS 8**

Panel 8-1: Tensions of Oil. Technology, State Power, and Environment, Session 2 (double panel): National Resources and Environment

Location: AUD E (1533-125)

Organizer: Saara Matala

Chair: Saara Matala

Christos Karampatsos (National and Kapodistrian University of Athens), Spyros Tzokas, Giorgos Velegrakis and Gelina Harlaftis (Institute for Mediterranean

Studies of the Foundation of Research and Technology- Hellas FORTH), The emergence of a deeply political discipline: How certain Greek geologists transformed themselves into oil experts, all the while failing to discover oil (1913-1940)

Susanna Lidström (KTH The Royal Institute of Technology) and Anna Åberg (Chalmers University of Technology), Conflicting Goals. The role of petroculture in siloing energy and environmental policy in Sweden

Kristoffer Ekberg (Chalmers University of Technology, Sweden), Defending oil extraction: The counter repertoires of Royal Dutch Shell and the Nigeria campaign 1994-1998

Tanja Riekkinen (University of Oulu, Finland), Petrofutures: The Role of Sociotechnical Imaginaries in Shaping Finnish Petroculture

Panel 8-2: Entangling Technological Infrastructures, Material Flows and Environmental Modernities (double panel), Session 2

Location: AUD D1 (1531-113)

Organizers: Frank Veraart and Stathis Arapostathis

Chair: Frank Veraart and Stathis Arapostathis

Commentators: Frank Veraart and Stathis Arapostathis

John Martin (Museum Of English Rural Life/Reading University), The Modern Agricultural Revolution: British Farming since the Second World War (online)

Sotiris Alexakis and Stathis Arapostathis (National and Kapodistrian of Athens), Entangling Minerals, Chemicals and Water in Greek agriculture of the 20th century

Frank Veraart (Eindhoven University of Technology), Entangled global sustainability history

Panel 8-3: Saving old and promoting new technologies (PhD Session)

Location: AUD D2 (1531-119)

Chair: Katerina Vlantoni

Regina Bichler (University of Munich), The “Zero Waste Cities” Munich and Kamikatsu: waste prevention, recycling, and the integration of technological innovations to establish sustainable waste practices (online)

Thomas Hoppenheit (University of Luxembourg), The Development of Urban Repair Opportunities in Luxembourg, 1918-1990

Rebecca Mossop (University of Luxembourg), Repairing and Maintaining the Telephone System in Luxembourg: Socio-Technical Approaches to Repair and Maintenance Practices

Panel 8-4: Privatising and Liberalising European Infrastructure

Location: AUD D3 (1531-215)

Organizers: Jacob Ward and Stephen Gross

Chair: Valérie Schafer

Jacob Ward (Maastricht University), Where it all began? Privatising and Liberalising Britain's Telecom Infrastructure

Thomas Turnbull (Max Planck Institute for the History of Science), Conservation and the Denationalisation and Reprivatisation of Energy in 1970s Britain

Christian Henrich-Franke (Siegen University), New technology – new regulation? The role of technical change in the liberalisation of European transport markets in the 1980s and 1990s

Stephen G. Gross (New York University), The Contradictions of Europe's Energy Market Liberalization, 1990-2005

Panel 8-5: White Coal Revisited. The Promises of Participation and Clean Energy from High Modernity to the Age of Climate Crisis

Location: AUD D4 (1531-219)

Organizers: Annina Boogen, Sibylle Lustenberger, Martin Meiske and Fabian Zimmer

Chair: Ute Hasenöhl

Martin Meiske (Research Institute for the History of Science and Technology, Deutsches Museum), How Green was the New Deal? Hydropower in the Tennessee Valley between Power, Participation and Intensification

Fabian Zimmer (Technische Universität Berlin), Adapting to Modernity. River Engineering and Social Engineering in Northern Sweden

Annina Boogen (Zurich University of Applied Sciences), Renewable Energy in (Alpine) Landscapes: Making Infrastructure Perceptible to the Senses

Sibylle Lustenberger (Université de Fribourg), Towards Decentralized and Democratic Energy Systems: Lessons from the Swiss Alps

12:30-13:30 Lunch

13:30-14:30 **PLENARY SESSION 4**
Location: AUD. E (1533-125)

Keynote: Andrew L. Russell (State University of New York Polytechnic Institute), Maintenance in the Technological Past, Present, and Future

14:30-15:00 **Tensions of Europe plenary communications and discussion – looking forward**
Location: AUD. E (1533-125)

15:00-15:30 Coffee break

15:30-17:00 **PANEL SESSIONS 9**

Panel 9-1: Oil connections: A networking workshop for oil-interested historians and their friends

Location: AUD D1 (1531-113)

Organizers: Anna Åberg and Saara Matala

Contributions: All interested conference participants

Special format: networking workshop

Panel 9-2: Coping with risks: Preindustrial resource scarcities and its winners and losers

Location: AUD D2 (1531-119)

Chair: Mats Ingulstad

Cyril Lacheze (Paris 1 University), Firing tile ovens in France, 13th-19th century.
From resources crisis to technological innovation

Kevin Tracey (Maynooth University, Ireland), Biopower, Bloody Soil, and Hybrid Bodies: Constructing the Right to Resources in Early Modern Ireland

Raymond Ruhaak (University of Sussex), The Crusades, the Development of a Centralised Arab State, and the Rise of Vulnerability Factors for Black Death

Panel 9-3: Technological promises? Imagining and building infrastructures and environments

Location: AUD D3 (1531-215)

Chair: Cyrus Mody

Malte Stöcken (Universität Wuppertal), Researching and Testing New Materials in the First World War and the Third Reich. A Scientific and Political History of the German State Materials Testing Office 1914-1945

Timo Leimbach (Aarhus University), From product families, transaction fees and telephones to platforms – the evolution of the idea of platforms and its impact

Stevienna de Saille (University of Sheffield), Conflict, confluence and omissions in sociotechnical imaginaries of robotic care

18:00-24:00 TENSIONS OF EUROPE DINNER AND PARTY

Centralværkstedet, Værkmestergade 9, 8000 Aarhus

Reception and Dinner

Song Contest

Party with The Wildest Band

We are grateful for the support of the following institutions, which made this conference possible.



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Co-organizer and support of panels 1-5, 2-2, 5-1, 6-4