Programme

Dresden Forum for International Politics 2020

Resources for Climate Action:
Conflict Potential and Prevention Strategies

Stadtmuseum Dresden
23-24 January 2020

Conference languages
German/English (simultaneous interpretation)

Partner

This event is part-funded from tax revenue within the budgetary framework approved by the Saxon State Parliament.
THE TOPIC

“There Is No Planet B”: this slogan often appears on placards at students’ Fridays For Future demonstrations. However, it does not only apply to climate change. Humankind is still consuming far more resources than our planet can supply. This excessive consumption – achieved at the expense of future generations – is highly inequitable and has major conflict potential. Climate change has a dual effect in this context: firstly, it impacts the natural resources that sustain life, with implications for agriculture, water availability and the capacity of the land to support human habitation, for example. And secondly, the development of new (supposedly) low-carbon technologies is driving up demand for metals, rare earths and other resources.

Granted, digital solutions and environmental technologies can help to reduce carbon emissions. However, they generally rely on specific resources whose extraction, in some cases, damages the environment and is associated with human rights abuses and conflict. E-mobility is a good example: it is still unclear to what extent the rising global demand for lithium for vehicle batteries can be met in a sustainable and resource-efficient manner.

In (developing) countries with extractive industries in particular, this raises a number of questions. How are these resources produced, and who profits from their extraction? What can be done, in terms of an early prevention strategy, to ensure that the extraction of resources for which there is a particularly high demand does not trigger or worsen conflicts in the producer countries? And who should be held accountable if this fails?

Besides the local conflict potential, the geopolitical perspective is also relevant. In the competition for new production sites, even seizure of other countries’ territories or regions outside the jurisdiction of any state (such as areas of the high seas or the Antarctic) in violation of international law for the purpose of resource extraction cannot be ruled out. What kind of strategies have countries and industries developed to protect themselves from international resource conflicts? Do we need more stringent international governance of the global resource trade? And how can we regulate access to resources on land, on the seabed or in space?

And lastly, there is the issue of alternative production methods, recycling and substitutes. Sustainable resource use can contribute significantly to the attainment of the 17 Sustainable Development Goals (SDGs) defined in Agenda 2030. Every year, around 50 million tonnes of e-waste are thrown away, with only one appliance in five being correctly recycled. What can be done to improve recycling of substances that are already available within the market and thus avoid extracting new resources? What kind of incentives are needed for a more sustainable closed-loop system, both within the economy and in terms of individual behaviour, thereby supporting production and consumption patterns that make more sparing use of resources? What opportunities are created through the use of renewable rather than finite resources?

THE DRESDEN FORUM SERIES

The annual Dresden Forum for International Politics, launched in 2018, offers a high-level platform for discussion of current challenges in international politics. The purpose of the series is to add to the body of knowledge of global processes and to raise awareness and understanding of the diversity of standpoints. The series encourages open-ended, solution-oriented debate about the options available to national and regional governments, Members of Parliament, civil society and the business sector in fostering peaceful and sustainable development worldwide.

The Dresden Forum consists of an international symposium and a public evening event with distinguished speakers, offering the opportunity for an interested public to gain insights into current international debates and learn more about how issues are viewed in other regions of the world.
Thursday, 23 January 2020

12.00 hrs  Registration and refreshments

**Chair**

**Ute Lange**  
Moderator and Communication Coach  
i3kommunikation, Bonn

12.45 hrs  Welcome addresses

**Oliver Schenk**  
State Minister for Federal and European Affairs and  
Chief of the State Chancellery of the Free State of Saxony, Dresden

**Dr Gerd Harms**  
Deputy Head of the Executive Committee  
Development and Peace Foundation (sef), Bonn

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**SESSION I – INTRODUCTION**

The world’s resource hunger is growing: new forms of communication, energy-saving technologies and alternative modes of transport such as e-mobility are absorbing large quantities of additional resources, examples being gold, lithium and rare earths. But where do these resources come from and under what conditions are they extracted? To what extent is there potential for conflict here?

13.00 hrs  Interview

**Professor Raimund Bleischwitz**  
Director of the Bartlett School of Environment, Energy and Resources  
Chair in Sustainable Global Resources  
University College London

Followed by Q&As

14.00 hrs  Short break for coffee
SESSION II – SHORT INTERVIEW + PRACTICE PANEL

RESOURCE WEALTH = A WEALTH OF CONFLICTS? PATHWAYS TOWARDS A FAIR EXTRACTIVES SECTOR

The extraction of resources for modern technologies is often controlled by multinational corporations headquartered outside the producer countries. In many cases, it is the negative impacts – destruction of natural habitats, exploitation of local labour, social unrest and even violent conflicts – that seem to take centre stage. How does the world’s resource hunger affect local communities? Which conditions need to be in place for people to benefit from sustainable and peaceful development based on extractives? And what can be done to prevent and mitigate local conflicts?

14.15 hrs Hands-on experience

Ramón Morales Balcázar
Member of the Plurinational Observatory of Andean Salt Flats – Tantí Foundation
PhD Student of Rural Development
Autonomous University of México, México City

14.45 hrs Practical session

Ramón Morales Balcázar
Professor Jan C. Bongaerts
Project partner at CEMEREM Kenyan-German „Centre of Excellence for Mining, Environmental Engineering and Resource Management“
Freiberg University of Mining and Technology, Freiberg

Dr Jutta Matreux
Factory manager
WACKER Chemie, Nünchritz

Followed by Q&As

16.00 hrs Coffee break
SESSION III - HEAD-TO-HEAD
TECHNOLOGICAL PROGRESS AND RESOURCE CONSERVATION - A CONTRADICTION IN TERMS?

How do digitalisation and technological development as a whole affect sustainable resource management? How can the associated savings and other positive impacts on our society be reconciled with very high levels of power consumption?

16.30 hrs  Head-to-head

**Johanna Pohl**  
Junior Research Group „Digitalisation and Sustainability”  
Technische Universität Berlin

**Maija Tenhunen**  
Manager, Sustainability and Climate Change  
PwC, Helsinki

17.00 hrs  End of Session III

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**EVENING PROGRAMME**

17.15 hrs  Early evening refreshments in a restaurant

18.30 hrs  Start of admission to Frauenkirche Dresden

19.00 hrs  Public evening event in the Frauenkirche Dresden

21.00 hrs  Reception hosted by the Prime Minister of Saxony

- see separate Evening Programme -
Friday, 24 January 2020

09.00 hrs Registration

Chair
Ute Lange
Moderator, trainer, communication coach
i3kommunikation, Bonn

09.10 hrs Welcome address
Anita Reddy
Head of Division ‘Education and National Funding Programmes99’
Engagement Global – Service for Development Initiatives, Bonn

SESSION IV: DISCUSSION

COMPETITION OVER RESOURCES - FROM „MIGHT IS RIGHT“ TO EQUITABLE DISTRIBUTION?

Global distribution of the resources required as inputs for low-carbon technologies is far from equal. Most of the world’s rare earths, for example, are currently supplied by China. In response to global demand, alternative production sites are increasingly been explored and previously decommissioned sites reopened. But it is not only the resource deposits found on land that are awakening interest. There are ambitions to exploit new deposits on the seabed or even in space as well. A great many countries are keen to secure rights to these resources in order to bypass possible raw materials shortages or reduce their dependence on other states. But is developing new deposits the right solution in the long term? What form of governance regime needs to be put in place to ensure that access rights are shared equitably and to avoid conflicts and negative impacts on ecosystems? Or is an entirely new global access regime for resources required?

09.15 hrs Discussion
Dr Elias T. Ayuk
Member of the International Resource Panel
Former Director of the UN University Institute for Natural Resources in Africa, Accra

Professor Bernhard Cramer
Oberberghauptmann (Supreme Mining Officer)
Saxon Mining Agency, Freiberg

Professor Ayman Elshkaki
Institute of Geographic Sciences and Natural Resources Research
Chinese Academy of Sciences, Beijing

Pradeep A. Singh
Research Associate
Institute for Advanced Sustainability Studies (IASS), Potsdam

10.15 hrs Q&As

10.45 hrs Coffee break
SESSION V: DISCUSSION
NEW APPROACHES TO RECYCLING - THE WAY OUT OF RESOURCE CONFLICTS?

One solution to the growing demand for resources is simply to keep on developing new production sites. Ultimately, however, this does not contribute to the sustainable use of raw materials. For the sake of a sustainable economy, it is essential to establish alternative production pathways that make recycling easier. What kind of incentives should policy-makers offer in order to increase recycling rates and make products more recyclable? Is waste mining a way out of the resource trap? And what can each and every one of us, as individuals, do to reduce resource consumption?

11.15 hrs Discussion

Professor Jens Gutzmer
Founding Director
Helmholtz Institute Freiberg for Resource Technology, Dresden-Rossendorf

Dr Deepali Sinha Khetriwal
Head of the India Office
Sofies, Bangalore

Professor Urs Peuker
Professor for mechanical process engineering and processing technology
Vice-Rector for Structural Development
Technical University Bergakademie Freiberg

12.15 hrs Q&As

SESSION VI: INTERVIEW
SUSTAINABLE RESOURCES FOR FUTURE TECHNOLOGIES?

If the 2050 climate targets are to be achieved, demand for rare earths, lithium etc. will continue to rise if production processes and storage options (e.g. batteries) remain unchanged. Are new production sites and resource recycling the only solutions to meet demand for raw materials? Or are there already some promising approaches for the use of alternative and sustainable inputs? What kind of innovations are currently being researched?

12.45 hrs Interview

Professor Maximilian Fichtner
Deputy Director
Helmholtz Institute Ulm (HIU)
Professor for Solid State Chemistry
Ulm University

CLOSING SESSION

13.15 hrs Wrap-Up

Dr Michèle Roth
Executive Director
Development and Peace Foundation (sef), Bonn

Followed by Lunch and networking

14.00 hrs Conference ends