



Deutscher Akademischer Austauschdienst
German Academic Exchange Service

 H O C H S C H U L E T R I E R	 Institut für angewandtes Stoffstrommanagement
 Brandenburgische Technische Universität Cottbus - Senftenberg	 WEIHENSTEPHAN · TRIESDORF University of Applied Sciences

ANNOUNCEMENT AND CALL FOR APPLICATION

On behalf of the German Academic Exchange Service (DAAD)

Trier University of Applied Sciences
represented by the **Institute for Applied Material Flow Management (IfaS)**

in co-operation with

Brandenburg University of Technology Cottbus-Senftenberg
University of Applied Sciences Weihenstephan-Triesdorf

organize the

**DAAD Alumni Special Project 2021 and 2022 in the framework of the
International Circular Economy Conference 2021 (online) and 2022 (in situ)**

Dates of the seminars:

September 2021 - September 2022: Virtual Programme

including the digital International Circular Economy Conference, October 2021

**October 17 - 23, 2022: Programme Week at the German Partner Universities
Campus (in situ)**

October 24 - 28, 2022: International Circular Economy Week 2022 (in situ)

Aims of the seminars

The *International Circular Economy Week (ICEW)* is a dedicated knowledge-event annually organized by the *Institute for Applied Material Flow Management (IfaS)*¹; an institute of the Trier University of Applied Sciences, that provides the opportunity to its global partners to share with the international community the experiences, expertise, knowledge, and achievements in the areas of renewable energy, energy efficiency, integrated sustainable (water) resource management and green growth strategies. It also serves as a premier platform connecting global leaders and like-minded professionals in respective domains.

The Institute for Applied Material Flow Management is located at the Environmental Campus Birkenfeld², which is Europe's premier Zero-Emission campus and also the #1 Green Campus in Germany³. As a university-based not-for-profit institute, IfaS' main objective is to integrate and strengthen sustainable systems at communal and regional levels of national, EU, and international scales. IfaS is among the very few institutions that successfully apply regional material and energy flow management (also known as MFM) assisting industries, communities, regions and countries in developing Zero-Emission and Circular Economy concepts by analysing, mobilising, optimising and developing new and innovative material, energy, and finance flows. IfaS is at the forefront in this domain for nearly two decades and works in more than 70 countries on five continents.

The vast experience, expertise, and the trove of knowledge are opened annually to the public at the ICEW where business managers, (non-)governmental representatives, technology service providers, and scientists meet to discuss the latest technological advancements and managerial developments appropriate to develop, implement, and also to teach/disseminate far-reaching sustainable strategies such as Bio-Economy and Circular Economy. The ICEW consists of technology site visits (TSVs) to innovative best-available-technologies sites in Germany demonstrating various waste-to-resource (e.g. biochar production from greenery residues), waste-to-energy (e.g. sewage sludge and bio-waste to biogas), energy autarky wastewater treatment as well as a wide range of energy efficiency and renewable energy applications. The TSVs facilitate one-on-one discussions with technology service providers to provide first-hand information on the technology and their economic aspects. This also aims at promoting leading-edge German environmental solutions and strategies around the world.

The pinnacle of the ICEW is the International Circular Economy Conference (ICEC)⁴ that provides an interdisciplinary forum to address the latest developments in the targeted domains. ICEC also provides the opportunity to establish new networks among policymakers, technology service providers, financing institutions, and research organisations and exchange their practical experiences in broad areas including Bio-Economy and Circular Economy.

The **DAAD Alumni Special Project in the framework of ICEW and ICEC** runs for 14 months (from September 1, 2021 to October 31, 2022) and includes a number of events including the virtual International Circular Economy Conference 2021 (likely to take place on October 28, 2021), a series of online seminars, and the International Circular Economy Week 2022⁵ (likely to take place⁶ in the calendar week 43 of 2022).

The partnering three German Higher Education Institutions (HEIs).

- **Institute for Applied Material Flow Management (Trier University of Applied Sciences)**
- **Brandenburg University of Technology Cottbus-Senftenberg (BTU)**
- **University of Applied Sciences Weihenstephan-Triesdorf (HSWT)**

will offer a series of individual online seminars centered on their respective research priorities during the project period. And, the partner HEIs will also offer a preparatory training seminar immediately prior to the ICEW in 2022.

Based on the personal preference, the applicant must decide upon one (01) particular HEI s/he wishes to join and cannot submit an application each to all three HEIs. However, within the application, the applicants are encouraged to confirm a second programme preference. **The programmes offered by the HEIs are detailed in the annexes.**

¹ IfaS: www.stoffstrom.org

² ECB: www.umwelt-campus.de

³ UI Green Metric Ranking 2020: greenmetric.ui.ac.id

⁴ ICEW&C: icew.de

⁵ See annex for the tentative programme.

⁶ Subjected to the future dynamics of the current global pandemic.

The seminar and ICEW 2022 are offered by the German Academic Exchange Service (DAAD) in the framework of the programme Alumni Special Projects (<https://www.daad.de/en/alumni/funding-programmes-for-alumni/alumni-special-projects/>). The costs will be mainly covered by funds from the DAAD provided by the German Federal Ministry for Economic Cooperation and Development (BMZ).

Tentative Programme: DAAD Alumni Special Project ICEW 2021 - 2022

The DAAD Alumni Special Project in the framework of International Circular Economy Week includes:

1. 2021 - 2022: A series of online training and networking seminars based on the research strengths / specialities of the three German Higher Education Institutions.

The individual online seminars of the three HEIs are primarily designed for the respective group of participants at each HEI's preparatory programme. However, participants of the other HEIs preparatory programmes are allowed to take part in any subject-specific online seminar(s) as *passive observers*.

In addition, the joint online seminars of the three HEIs are offered with the aim to foster the networking opportunities among the participants.

2. October 2022: In situ preparatory programme (training seminars) at the three German HEIs.

In the week leading up to the International Circular Economy Week 2022, the participating HEIs will conduct various preparatory seminars coupled with thematic excursions as supplemental events for their participants at the respective university locations.

3. October 2022: Participation at the International Circular Economy Week 2022

Participants of all preparatory programmes will jointly participate in the International Circular Economy Week 2022 at the Environmental Campus in Birkenfeld, which is expected to take place in calendar week 43, 2022. The exact programme of the ICEW 2022 will be announced by May, 2022. A tentative programme for the ICEW 2022 is annexed.

It is necessary to participate in the whole programme of the selected HEI: online seminar series of selected HEI in 2021 and 2022, preparatory programme week in October 2022 at the partner campus of the selected HEI and International Circular Economy Week 2022 at the Environmental Campus Birkenfeld.

A special Note: Alternative Programme in 2022

Given the current global pandemic, associated uncertainty and its future dynamics, the German Academic Exchange Service (DAAD) may have to decide to replace the *in situ* event in 2022 with an online alternative. This would imply modifications to the programme in year 2022, which will be announced to participants presumably not later than May 2022. If that worst case scenario will arise, an alternative programme to replace the designated onsite events in October 2022 will be created to provide the participants the missing knowledge contents in digital manner.

Eligibility criteria

This seminar targets Alumni of German universities

- from countries listed on the DAC list of 'developing' countries⁷,
- who carried out research or studied in Germany for at least three months, and
- who are currently living and working in their home countries.

The applicant:

- (1) has a proven background in the academic fields relevant to the specialising topics of the three HEIs:

Specialising profile and topics of focus of the preparatory programme of Institute for Applied Material Flow Management (IfaS), Trier University of Applied Sciences (HT):

Integrated (water) resource management, renewable energies and energy efficiency, GHG accounting at national, regional, industrial level, community development, green buildings and sustainable construction, international climate policy and finance (including MRV design, CDM-NAMA-LEDS project development).

⁷ https://static.daad.de/media/daad_de/pdfs_nicht_barrierefrei/infos-services-fuer-hochschulen/anlage_7_dac_laenderliste_berichtsjahre_2018-2020.pdf

Specialising profile and topics of focus of the preparatory programme of Brandenburg University of Technology Cottbus-Senftenberg (BTU Cottbus-Senftenberg):

International Environmental Law, Climate Policy, Environmental Planning, Impact Assessment, Eco-system-based adaptation, Environmental Communications – Climate Communication, Economy and project management, Education for sustainable development – focus Environmental Education, Natural Resource Management, Life Cycle Assessment, and citizen science.

In addition to the above, BTU Cottbus-Senftenberg would like to also bring relevant research topics such as digital transformation into the above thematic areas through question answer sessions and panel discussions.

Specialising profile and topics of focus of the preparatory programme of University of Applied Sciences Weihenstephan-Triesdorf (HSWT):

Renewable energies, technology of solar energy with photovoltaics and solar thermal, bioenergy with biogas and biomass, small scaled applications like e.g. solar home systems, sustainable agriculture, agricultural economics.

- (2) with respect to the topics mentioned in (1), the applicant has adequate professional experience, personal interest and has practical experience in project development, industry, government agencies, NGOs, local communities, and competence in applied research in academia and industry,
- (3) will act as a potential multiplier in transmitting the seminar results, will actively disseminate the acquired knowledge and will help develop innovative ideas and projects in her/his home country,
- (4) has adequate English language proficiency which is essential to actively participate in the events (online seminars, workshops, discussions, seminars in situ, etc.) as the programmes' working language will be English.

Eligibility of the **repeated / returning attendees** at DAAD Alumni Special Projects:

Participation at the Alumni Special Projects is limited to a maximum of two participations within a period of four years. To this end, the year of participation (not the year of application), will be considered in the decision process.

The applicants are allowed to submit **just one application to the prioritized HEI**. However, within the application, **the applicants are encouraged to confirm a second seminar / HEI preference** – which might be respected if the capacities at the second choice HEI allows for.

Coverage of costs

- International return air ticket to and from Frankfurt International Airport [FRA] (Munich, Berlin) **NOTE:** economy class airfare, of which, the lowest possible shall be considered.
- Local airport transit to the chosen HEI location and the Environmental Campus Birkenfeld (and from ECB to airport)
- International travel and health insurance (subjected to a maximum of EUR 30,00) and the costs of procuring a visa to the Federal Republic of Germany
- The costs of accommodation and meals during the stay at the respective HEIs during the preparatory seminar and the ICEW 2022 (accommodation shall be provided on a full-board basis)
- All costs of transport for excursions during the preparatory programmes and ICEW 2022
- ICEW participation fee

NOTE: All other costs such as the costs of transportation in your domicile, e.g. travel between your home and the local airport, any and all costs of visa procurement (except the exact visa fee), any and all other documentation and administration fees, etc. must be borne by yourself.

Any extension to your stay before and after the seminar is only possible up to five working days and requires the submission of a comparison of airfare before you start your journey. Any difference between the airfares for the official inbound/outbound date(s) (see below) and the actual date of travel before/after the extension must be borne by you. You yourself must also cover any additional travel costs, subsistence costs and/or other additional costs not stated here pertinent to your extension of stay.

Extensions of stay beyond five days must be of an official nature, for which, justification is required (e.g. visits to universities, organizations, institutions, companies, etc.) indicating the details about contact person(s) and a detailed daily plan of activities/programme of activities. In addition, these extensions must

be approved by DAAD **before** the start of your travel. The decision by DAAD is final, non-negotiable and is made on an individual basis, based on your justification, the programme, etc.

IMPORTANT: Accommodation, meals, and all other logistics pertinent to your extended stay must be organised by yourself, and, as required by the EU regulations, you must possess valid health insurance for the entire duration of your stay (including the extension). It is a must that you participate in the entire programme from the first day of the preparatory programme of the respective HEI until the last day of ICEW 2022.

Application procedure

Your application should emphasize your motivation and the professional / personal benefit. You should clearly and concisely illustrate how you plan to disseminate the gained knowledge during the programme in your domicile and what possible stakeholders you may reach out to for further collaboration in your professional career.

Your application – written in English language – must include the following documents **combined into one single .pdf file**:

- fully and completely filled-out application form
NOTE: The application form is available for **Institute for Applied Material Flow Management (Trier University of Applied Sciences)** is available on <https://www.stoffstrom.org/application-icew/?lang=en>
Brandenburg University of Technology Cottbus-Senftenberg (BTU) is available on <https://www.b-tu.de/fg-umweltrecht/projekte/daad/2021#c263731>
University of Applied Sciences Weihenstephan-Triesdorf (HSWT) is available on <https://ima.hswt.de/en/alumni-application>
- a synoptic CV with a photograph and relevant documentation of the Alumni status
- a short abstract on your cooperation / research interest and underlying motivation / expectations to attend the DAAD Alumni Special Project
- a concise description of your present duties / position held and your personal professional goals, indicating your envisaged field of activities
- an overview on DAAD sponsored seminars, workshops or conferences visited in Germany after finishing your studies in Germany.

The PDF-document should be named:
'Last name_First name_Country' (e.g. Mustermann_Mara_Germany).

NOTE: The completeness of your application and the personal data mentioned in the online application form will affect your eligibility as a participant.

Please send your application, **as a single .pdf file**, no later than **30th of June 2021** via email to:

Institute for Applied Material Flow Management (Trier University of Applied Sciences):
alumni-ICEW@umwelt-campus.de

Brandenburg University of Technology Cottbus-Senftenberg (BTU):
icew@b-tu.de

University of Applied Sciences Weihenstephan-Triesdorf (HSWT):
internationalschool@hswt.de

After the review of your application by the selected HEIs and DAAD, the eligible participants will be notified by **end of July 2021**.

For further questions, please contact:

- Trier University of Applied Sciences (HT), Institute for Applied Material Flow Management (IfaS):
Ms. Aurélie Kono: alumni-ICEW@umwelt-campus.de, +49 (0) 6782 17 2603
- Brandenburg University of Technology Cottbus-Senftenberg (BTU Cottbus-Senftenberg):
Mr. Niyanta Shetye: niyanta.shetye@b-tu.de +49 (0) 355 69 2033
- University of Applied Sciences Weihenstephan-Triesdorf (HSWT):
Ms. Katja Krauter: katja.krauter@hswt.de, +49 (0) 9826 654-331

With financial support from the

DAAD Deutscher Akademischer Austauschdienst
German Academic Exchange Service



ANNEX ONE

Agenda of the Seminar of IfaS, Trier University of Applied Sciences (HT):

Cross-sectoral practical implementation strategies for the Paris Agreement

The preparatory programme of IfaS / HT consists of three major parts / components:

Part 1: Life-Long-Learning component: Cross-sectoral practical implementation strategies for the Paris Agreement

The Paris Agreement's long-term temperature goal is to keep the rise in global average temperature to well below 2°C pre-industrial levels, and to pursue efforts to limit the increase to 1.5°C by reducing GHG emissions and removals by sinks as soon as possible globally throughout all sectors based on the principles of *common but differentiated responsibilities*. The parties to the UNFCCC are encouraged to outline and pursue their cross-sectoral climate protection actions within their *Nationally Determined Contributions* to make "*finance flows consistent with a pathway towards low greenhouse gas emissions and climate-resilient development*".

Within this online seminar series, IfaS is going to present the NDC strategies and climate protection actions of Germany as well as international case studies in the relevant sectors demonstrating strategies to harmonize comprehensive climate protection strategies with economic promotion creating green growth opportunities. This academically oriented component will take place during the first part of the programme providing the participants new insights into different green growth and climate protection strategies in the major sectors on national and sub-national levels and allowing them to fine-tune and/or change their research and cooperation interests. The half-day online seminars start with an outlook on the German sectoral NDC targets and strategies, followed by international case study/studies, and an interactive Q&A session.

Agenda 2021 / 2022 – Part 1: Life-Long-Learning Component: Cross-sectoral practical implementation strategies for the Paris Agreement		
Date/Time	Topic/Event	Responsibility
Thursday, 16 September, 2021 1:00 pm - 4:30 pm (CET)	<i>Introductory Online Seminar</i> First collaborative online seminar to introduce the implementing organizations and the respective programmes	Dr. Michael Knaus IfaS / HT, Prof. Dr. Eike Albrecht, BTU, Dr. Bernd Müller, HSWT
Thursday, 07 October, 2021 1:00 pm - 4:30 pm (CET)	<i>Online Seminar No. 1</i> Circular Economy, Climate Change and Resilience: the role and method of material flow management <ol style="list-style-type: none">1. Introduction of the basic (international) environmental protection concepts and the historical developments (from end-of-pipe towards zero-emission).2. European/German strategies and policies on climate protection, Circular Economy, Bio-Economy, and the impacts of the EC Green Deal.3. International case studies illustrating the method and tool-box of material flow management	Moderator: Dr. Michael Knaus, IfaS / HT
Thursday, 21 October, 2021 1:00 pm - 4:30 pm (CET)	<i>Online Seminar No. 2</i> Zero-Emission Campus: infrastructure design for sustainability Introduction of the green campus concept (The technical and managerial strategies):	Moderator: Prof. Dr. Peter Heck, IfaS / HT

	<ol style="list-style-type: none"> 1. Introduction of the zero-emission projects and initiatives (e.g. no-wastewater concept) 2. Introduction of the <i>Plus-Energy</i> convention centre 3. From green buildings to green cities – zero-emission settlement design 	
<p>Tuesday, 26 October – Thursday, 28 October, 2021</p> <p>Daily: 9:00 am - 5:00 pm (CET)</p>	<p>Virtual International Circular Economy Conference</p>	
<p>Friday, 29 October, 2021 1:00 pm - 4:30 pm (CET)</p>	<p><i>Online Seminar No. 3</i> Resilience Strategies for Cities</p> <p>Case studies from Cote d'Ivoire, Ghana, Morocco, Uganda and Tanzania</p>	<p>Moderator: Ranahansa Dasanayake IfaS / HT</p>
<p>Thursday, 11 November, 2021 1:00 pm - 4:30 pm (CET)</p>	<p><i>Online Seminar No. 4</i> Sustainable Mobility/Green transportation Solutions Case Study: Green Mobility options for India</p>	<p>Moderator: Prof. Dr. König, HT</p>
<p>Thursday, 18 November, 2021 1:00 pm - 4:30 pm (CET)</p>	<p><i>Online Seminar No. 5</i> Climate Policy and Carbon Finance</p> <ol style="list-style-type: none"> 1. Introduction of the historical development of UNFCCC and its mechanisms and institutions 2. From green finance to carbon finance: new options for sustainability project finance and their requirements 3. From climate neutral products to zero-emission cities: from voluntary to mandatory actions 	<p>Moderator: Dr. Michael Knaus IfaS / HT</p>
<p>Thursday, 02 December, 2021 1:00 pm - 4:30 pm (CET)</p>	<p><i>Online Seminar No. 6</i> Resource and Efficiency Check for Industrial Profitability and Climate Protection Case Study – Food Industry Costa Rica</p>	<p>Moderator: TBC - Deutsche Investitions- und Entwicklungsgesellschaft (DEG), Cologne</p>
<p>Thursday, 16 December, 2021 1:00 pm - 4:30 pm (CET)</p>	<p><i>Online Seminar No. 7</i> Sustainable Land Use Change and Biomass Resources Case Study: De-Bushing in Namibia</p>	<p>Dr. Felix Flesch, IfaS / HT</p>
<p>Thursday, 13 January, 2022 1:00 pm - 4:30 pm (CET)</p>	<p><i>Online Seminar No. 8</i> Waste-to-Wealth: the circularity approach for waste management</p>	<p>Faculty of IfaS / HT; invited speakers / subject specialists from industry</p>
<p>Thursday, 27 January, 2022 1:00 pm - 4:30 pm (CET)</p>	<p><i>Online Seminar No. 9</i> Sustainable Water and Wastewater Management And the wrap-up session of the lifelong learning segment</p>	<p>Faculty of IfaS / HT; invited speakers / subject specialists from industry</p>

Part 2: Networking component: Initiating new project cooperation

The second component of the preparatory programme – this segment is also conducted virtually – is designed to ensure to link the Germany Alumni of the DAAD Alumni Special Project with potential networking partner(s) from German (global) academia, industry and (N)GO in order to create new climate protections / SDG 2030 partnerships, which can be deepened during the onsite component of the programme, namely the International Circular Economy Week 2022.

Here, the Germany Alumni of the DAAD Alumni Special Project will introduce their research ideas and cooperation interests in virtual networking meetings with IfaS project managers, HT faculty members as well as faculty members and students of the international IMAT dual master degree programmes (see: www.imat-master.com). The aim is to create a clear cooperation profile of the DAAD Alumni preparing for extensive cooperation and networking opportunities at the ICEW 2022 as well as to establish (if possible) networks with the international IMAT Network University and IfaS partners.

As an outcome the project/cooperation opportunities of the DAAD Alumni are clearly documented and published on the DAAD Alumni portal website as well as on the ICEW website in order to match them with potential cooperation partners. Additionally, different (global) funding programmes as well as their participation requirements are screened and discussed to put the DAAD Alumni into the position to take the next steps towards the realization of their research interests and cooperation.

Agenda 2022 – Part 2: Networking Component: Initiating new project cooperation		
Date/Time	Topic/Event	Responsibility
Thursday, 21 April, 2022 1:00 pm - 4.30 pm (CET)	Online Seminar No. 11 Research Management Seminar II: DAAD Alumni presentation in the area of Energy (Energy Efficiency) and Industry	Faculty of IfaS/HT; DAAD Alumni
Thursday, 05 May, 2022 1:00 pm - 4.30 pm (CET)	Online Seminar No. 12 Research Management Seminar III: DAAD Alumni presentation in the area of Transport and Waste Management	Faculty of IfaS/HT; DAAD Alumni
Thursday, 02 June, 2022 1:00 pm - 4.30 pm (CET)	Online Seminar No. 13 Research Management Seminar IV: Global funding programmes for SDG 2030 and climate related actions	Faculty of IfaS/HT; invited resource personnel; DAAD Alumni
Thursday, 16 June, 2022 1:00 pm - 4.30 pm (CET)	Online Seminar No. 14 Research Management Seminar V: Fundraising management: from idea to action	Faculty of IfaS/HT; invited resource personnel; DAAD Alumni
Wednesday, 29 June, 2022 1:00 pm - 4.30 pm (CET)	Online Seminar No. 15 Research Management Seminar VI Communicating your results: stakeholder management, knowledge dissemination and communication	Faculty of IfaS/HT; invited resource personnel; DAAD Alumni

Part 3: Onsite training seminar/ preparation week for ICEW 2022 “Climate Protection and Green Growth: From Knowledge to Action”

The last component is an onsite training seminar and preparation of the Alumni of the DAAD Alumni Special Project prior to the ICEW 2022 at ECB. This component runs from Tuesday to Sunday.

Agenda 2022 – Part 3: Onsite Training Seminar “Climate Protection and Green Growth: From Knowledge to Action”		
Date/Time	Topic/Event	Responsibility
Tuesday, 18 October, 2022	Day 1 Arrival of Participants and Welcome Event Onsite Knowledge Session on International Circular Economy Best Practice Projects	Faculty of IfaS/HT; DAAD Alumni
Wednesday, 19 October, 2022	Day 2 Technical and Managerial Aspects of the Zero Emission Campus Programme	Faculty of IfaS/HT; DAAD Alumni
Thursday, 20 October, 2022	Day 3 From Waste to Resource Management Technology Site Visits: Eco-Industrial Park – Biogas Plant, etc.	Faculty of IfaS/HT; DAAD Alumni
Friday, 21 October, 2022	Day 4 Climate Friendly Communities/Cities District heating grid, Solar Foundation, etc.	Dr. Alscher, Faculty of IfaS/HT; DAAD Alumni
Saturday, 22 October, 2022	Day 5 Experience Renewable Energy: a guided RE hiking tour with visits of Wind Power Plants in the REN national park	Faculty of IfaS/HT; DAAD Alumni
Sunday, 23 October, 2022	Day 6 Wrap-up Session Afternoon/Evening: DAAD Networking and social event	Faculty of IfaS/HT; DAAD Alumni

Note: subjects to change without notice

ANNEX TWO

Agenda of the Seminar of the Brandenburg Technical University of Cottbus-Senftenberg (BTU)

Laws, Regulations, and Policy Formulation and Implementation for Environmental Protection

The preparatory programme of BTU Cottbus-Senftenberg consists of three major parts / components:

Part 1: Life-Long-Learning component: Laws, Regulations, and Policy Formulation and Implementation for Environmental Protection

Since 1991, the Brandenburg Technical University of Cottbus-Senftenberg is determined to address present and future challenges through a strong focus on sustainability and innovation. With interdisciplinary research, innovative teaching, knowledge and technology transfer and further training, the BTU is looking for approaches to solving problems in the international as well as in the national, regional, and local levels. These include challenges in the areas of energy, health, the environment, IT-based networks, and communication, as well as cultural and social issues. Our interdisciplinary exchange among the engineering, natural, human and social sciences promotes creativity and opens up new solutions. These are our guiding principles and our values which will stand the test of the Coronavirus pandemic.

BTU's programme does not just include in-depth seminars on laws, regulations, policies to tackle climate change, but also has a space for practitioners coming from NGOs, development organizations, local governments to underscore the practical challenges, good practices, and lessons learnt from field experiences on natural resource management and climate action. Furthermore, the BTU also intends to share this space with its selected Alumni, PhD students, but also Master students who are in the final stages of their respective studies. The programme is tailored to have an online seminar focus in 2021 and an Alumni presentation focus in 2022. This way, Alumni coming to Germany can share their views and research in the interest of BTU's research, spark connections with the wider consortium audience, and make relevant connections to kickstart their new projects.

Agenda 2021 / 2022 – Part 1: Life-Long-Learning Component: Laws, Regulations, and Policy Formulation and Implementation for Environmental Protection		
Date/Time	Topic/Event	Responsibility
Thursday, 16 September, 2021 1:00 pm – 4:00 pm (CET)	Introductory Online Seminar First collaborative online seminar to introduce the implementing organisations and the respective programmes	Dr. Michael Knaus, IfaS / HT, Prof. Dr. iur. Eike Albrecht, BTU, Dr. Bernd Müller, HSWT
Thursday, 07 October, 2021 1:00 pm – 4:00 pm (CET)	Online Seminar No. 1 Law and Planning Introduction to the Problem: Climate change, climate protection law, and resource protection law	Moderator / Speaker: Prof. Dr. iur. Eike Albrecht, BTU, Germany
Friday, 08 October, 2021 1:00 pm – 4:00 pm (CET)	Online Seminar No. 2 Law and Planning Environmental Planning and Sustainability Aspects	Moderator / Speaker: Dr. Dimitry Palekhov, BTU, Germany

Monday, 11 October, 2021 1:00 pm – 4:00 pm (CET)	Online Seminar No. 3 Law and Planning Expert from Engineering Office, BTU Cottbus	Moderator / Speaker Thomas Kung , Cottbus City Office, Germany.
Tuesday, 12 October, 2021 1:00 pm – 4:00 pm (CET)	Online Seminar No. 4 Law and Planning Innovations in International Law – Digitalisation and Education for Sustainable Futures	Moderator / Speaker: Prof. Heila Lotz – Sistka, Luke Metelerkamp and Sarah Durr Rhodes University, South Africa
Friday, 15 October, 2021 1:00 pm – 4:00 pm (CET)	Online Seminar No. 5 Law and Planning Ecosystem-Based Climate Adaptation – Case studies from India	Moderator / Speaker: Dr. Shrikant Mukate, Watershed Organisation Trust, Pune, India
Monday, 18 October, 2021 1:00 pm – 4:00 pm (CET)	Online Seminar No. 6 Economy and Project Management Project Management	Moderator / Speaker: Prof. Dr. Ralf Woll, BTU, Germany
Tuesday, 19 October, 2021 1:00 pm – 4:00 pm (CET)	Online Seminar No. 7 Economy and Project Management Introduction to construction recycling and economic efficiency calculations	Moderator / Speaker: Prof. Dr. Angelika Mettke, BTU, Germany
Wednesday, 20 October, 2021 1:00 pm – 3:00 pm (CET)	Online Seminar No. 8 Economy and Project Management Master thesis presentation: Sustainability and Bioeconomy Nexus: An exploration to effects, contributions and technological innovations and regional perspectives.	Moderator/ Speaker: Nicolas Sarmiento Sierra BTU, Germany
Thursday, 21 October, 2021 1:00 pm – 4:00 pm (CET)	Online Seminar No. 9 Economy and Project Management Economy and Resource Management	Moderator / Speaker: Prof. Dr. Frank Wätzold, BTU, Germany
Tuesday, 26 October - Thursday, 28 October, 2021 Daily: 9:00 am - 5:00 pm (CET)	Virtual International Circular Economy Week and Conference 2021	
Friday, 29 October, 2021 1:00 pm – 4:00 pm (CET)	Online Seminar No. 10 Climate Policy Energy efficiency in the Nigerian NDC Context (as a means for mitigation and adaptation to climate change)	Moderator/ Speaker: Anayo Azubuike Ezeamama, BTU, Germany
Monday, 01 November, 2021 1:00 pm – 3:00 pm (CET)	Online Seminar No. 11 Climate Policy Communicating Climate Change under Article 12 of the Paris Agreement	Moderator/ Speaker: Niyanta Shetye, BTU, Germany
Tuesday, 02 November, 2021 1:00 pm – 3:00 pm	Online Seminar No. 12 Climate Policy	Moderator/ Speaker: Laueline Simon Krishewsky,

(CET)	Transformative and Regenerative Climate Adaptation.	One Resilient Earth, Bonn, Germany
Thursday, 18 November 2021 1:00 pm – 3:00 pm (CET)	Online Seminar No. 13 Nexus Approach to Sustainable Management of Resources Citizen Science – a new tool for tackling environmental issues at grass root levels? Examples from resources nexus problems	Moderator/ Speakers: Sabrina Julie Kirschke United Nations University, Dresden, Germany
Friday, 19 November, 2021 1:00 pm – 4:00 pm (CET)	Online Seminar No. 14 Presentations of current PhD students	
Monday, 22 November, 2021 1:00 pm – 4:00 pm (CET)	Online Seminar No. 15 Presentations of current PhD students	

Part 2: Networking component:

Agenda 2022 – Part 2: Networking Component: Initiating new project cooperation		
Date/Time	Topic/Event	Responsibility
Thursday, 21 April, 2022 1:00 pm – 4:10 pm (CET)	Online Seminar No. 16 Research Management Seminar I: DAAD Alumni presentation in the area of Digital Transformation and Environmental governance	BTU; invited resource personnel; DAAD Alumni
Thursday, 05 May, 2022 1:00 pm – 4:10 pm (CET)	Online Seminar No. 17 Research Management Seminar II: DAAD Alumni presentation in the area of Transboundary Environmental issues – water, pollution, waste	BTU; invited resource personnel; DAAD Alumni
Thursday, 02 June, 2022 1:00 pm – 4:10 pm (CET)	Online Seminar No. 18 Research Management Seminar III: Global funding programmes for SDG 2030 and climate related actions	BTU; invited resource personnel; DAAD Alumni
Thursday, 16 June, 2022 1:00 pm – 4:10 pm (CET)	Online Seminar No. 19 Research Management Seminar IV: Fundraising management: from idea to action (NGOs)	BTU; invited resource personnel; DAAD Alumni
Wednesday, 29 June, 2022 1:00 pm – 4:10 pm (CET)	Online Seminar No. 20 Research Management Seminar V: Communicating research: relevance of Twitter, Instagram, Facebook for PhD. candidates / early career researchers	BTU; invited resource personnel; DAAD Alumni

Part 3: Onsite training seminar: “Laws, Regulations, and Policy Formulation and Implementation for Environmental Protection” and preparation week for ICEW 2022

Agenda 2022 – Part 3: Onsite Training Seminar “Laws, Regulations, and Policy Formulation and Implementation for Environmental Protection” and preparation week for ICEW 2022		
Date/Time	Topic/Event	Responsibility
Tuesday, 18 October, 2022 9:00 am - 5:00 pm (CET)	Day 1 Arrival to BTU Cottbus- Senftenberg <ul style="list-style-type: none"> • Welcome to Cottbus – Introductory seminar • Guided tour inside BTU Cottbus campus 	Faculty of BTU Niyanta Shetye

	<ul style="list-style-type: none"> • Lunch break • Guided tour around Cottbus 	
Wednesday 19 th of October 2022 9:00 am - 5:00 pm (CET)	<p>Day 2</p> <p>Introduction to International Environmental Law Seminar</p> <ul style="list-style-type: none"> • Environmental issues – desertification, biodiversity, climate change etc. and international response • Climate Neutrality • German Climate Policy • Biodiversity Laws • Desertification • Climate Laws in Europe and their implementation 	Faculty of BTU Prof. Dr. iur Eike Albrecht
Thursday 20 th of October 2022 9:00 am - 5:00 pm (CET)	<p>Day 3</p> <p>Climate change and Migration</p> <ul style="list-style-type: none"> • Socio-economic hazards induced by climate change • Agriculture • Water insecurity in the world – focus global south • Transboundary water issues • Migration due to climate change • Water 	Faculty of BTU Prof. Dr. Ibrahim Bachar
Friday 21 st of October 2022 9:00 am - 5:00 pm (CET)	<p>Day 4</p> <p>Digitalisation and Human Rights</p> <ul style="list-style-type: none"> • Digital transformation – introduction to the new problem • Digital inequalities • Vulnerabilities and risks arising due to rapid and uneven digital transformation • Digitalisation and environmental issues • Digital laws in Germany. • Digital transformation, education, and sustainable development 	Faculty of BTU Dirk Marx
Saturday 22 nd of October 2022 9:00 am - 5:00 pm (CET)	<p>Day 5</p> <p>Circular economy and Waste Management lectures</p>	Faculty of BTU and DAAD Alumni presentation (if any)
Sunday, 23 October, 2022 9:00 am - 5:00 pm (CET)	<p>Day 6</p> <p>Wrap-up Session</p> <p>Afternoon/Evening:</p> <ul style="list-style-type: none"> • Special lecture on Project application • Special lecture on Application of jobs at International Organisations • DAAD Networking and social event (evening and night) 	Faculty of BTU and DAAD Alumni interactions.

Note: subjects to change without notice

ANNEX THREE

Agenda of the Seminar of University of Applied Sciences Weihenstephan-Triesdorf (HSWT):

Improved use of natural resources in developing countries - Innovations in resource efficiency, decentralised energy systems, bioenergy, solar energy and sustainable land use

For more than 30 years, Weihenstephan-Triesdorf University of Applied Sciences (HSWT) has been involved in development cooperation through partnerships with international partner universities, with whom projects are jointly developed and implemented. The HSWT has unique expertise in modern and practical agricultural and environmental technology education in the area of tension between science and application. The framework of the Alumni special project is used to deepen the knowledge of resource efficiency, decentralised energy systems, renewable energies and sustainable land use among 25 participants by means of practice-oriented further education and a transnational exchange of knowledge and experience. The use of renewable energies is indispensable for increasing agricultural productivity, reducing post-harvest losses and counteracting climate change. Continuing education in this evolving field of adapted modern methods of agriculture, adapted concepts of production, processing and marketing, as well as approaches to the protection of natural resources and the decentralised use of renewable energies, can help Alumni experts to contribute to increase the resilience of certain ecosystems in their home regions.

The preparatory programme of HSWT consists of four major parts / components:

The programme includes theoretical learning units (online seminars + lectures at the campus) and practical supplements including external teaching events (excursions). The virtual part 1 will start with two joint meetings of the three HEIs: An introductory online seminar followed by the Virtual International Circular Economy Conference 2021. Then on a weekly half-day basis, online seminars, mainly focused on the interests of the participants, will take place in November and December 2021. In November, the participants will gain theoretical knowledge about the different announced topics and in December the participants give presentations of their own project study or working environment with a national reference, as well as discussion rounds. Through this, the participants can be linked with research partners, institutions and companies during the year 2022. In the year 2022, every second month offered half-day online seminars (part 2) will be more general and interesting for all participants. One month before the on-site week starts, a final virtual meeting called "Pre-Conference Meeting" will be arranged. Midst of October 2022, the participants will come to Germany for the on-site week (Part 3). The week will contain a lot of excursions, lectures but also cultural trips. In the following, the expected programme is listed more in detail. In addition, there will be the opportunity for the participants to solder their own Solar Lamps in smaller groups.

Agenda 2021/2022 – Part 1.1: Online Seminars Improved use of natural resources in developing countries Innovations in resource efficiency, decentralised energy systems, bioenergy, solar energy and sustainable land use		
Date/Time	Topic/Event	Responsibility
Thursday, 16 September, 2021 1:00 pm - 4:00 pm (CET)	<i>Introductory Online Seminar</i> First collaborative online seminar to introduce the implementing organizations and the respective programmes	Dr. Michael Knaus IfaS / HT, Prof. Dr. Eike Albrecht, BTU, Dr. Bernd Müller, HSWT
Tuesday, 26 October – Thursday, 28 October, 2021 Daily: 9:00 am - 5:00 pm (CET)	Virtual International Circular Economy week and Conference 2021	

Wednesday, 03 November, 2021 1:00 pm - 4:00 pm (CET)	Online Seminar No. 1 Solar energy (photovoltaics + solar thermal)	Moderator: Katja Krauter, HSWT, invited speakers
Wednesday, 10 November, 2021 1:00 pm - 4:00 pm (CET)	Online Seminar No. 2 Sustainable agriculture (soil science - humus build- up and water-conserving land management)	Moderator: Dr. Bernd Müller, HSWT, Professor Dr. Klaus – Peter Wilbois, HSWT
Wednesday, 17 November, 2021 1:00 pm - 4:00 pm (CET)	Online Seminar No. 3 Bioenergy (Biogas and Biomass)	Moderator: Prof. Dr. Ralph Schaidhauf, HSWT, invited speakers
Wednesday, 24 November, 2021 1:00 pm - 4:00 pm (CET)	Online Seminar No. 4 Life Cycle Assessment of Biogas production and agricultural production systems	Moderator: Dr. Bernd Müller, HSWT, invited speakers

Part 2: Networking component:

Agenda 2021/2022 – Part 2: Networking Component: focused on HSWT participants		
Date/Time	Topic/Event	Responsibility
Wednesday, 01 December, 2021 1:00 pm - 4:00 pm (CET)	Online Seminar No. 5 Online Seminar to present the participants project and/or cooperation ideas (Topics related to Sustainable agriculture)	Moderator: Dr. Bernd Müller, HSWT, Professor Dr. Klaus- Peter Wilbois, HSWT
Tuesday, 07 December, 2021 1:00 pm - 4:00 pm (CET)	Online Seminar No. 6 Online Seminar to present the participants project and/or cooperation ideas (Topics related to Bioenergy)	Moderator: Prof. Dr. Ralph Schaidhauf, HSWT
Tuesday, 14 December, 2021 1:00 pm - 4:00 pm (CET)	Online Seminar No. 7 Online Seminar to present the participants project and/or cooperation ideas (Topics related to Solar Energy)	Moderator: Katja Krauter HSWT, invited speakers

Part 1.2: Online Seminars:

Agenda 2022 – Part 1.2: Online Seminars Improved use of natural resources in developing countries Innovations in resource efficiency, decentralised energy systems, bioenergy, solar energy and sustainable land use		
Date/Time	Topic/Event	Responsibility
Wednesday, 09 February, 2022 1:00 pm - 4:00 pm (CET)	Online Seminar No. 8 Overall technical overview of Renewable Energy	Moderator: Katja Krauter HSWT, invited speakers

Wednesday, 13 April, 2022 1:00 pm - 4:00 pm (CET)	Online Seminar No. 9 Combining Practice and Higher Agricultural Education – Challenges and Chances + Research Management Seminar on Funding Opportunities	Moderator: Professor Dr. Ralf Schlauderer, HSWT, Dr. Dragan Brkovic, HSWT
Wednesday, 08 June, 2022 1:00 pm - 4:00 pm (CET)	Online Seminar No. 10 Small Scale Biogas and Biogas Project Presentation Hiwot Abayne Ayale (Green People's Energy for Africa: Domestic Biogas to Improve Rural livelihood in Ethiopia Project)	Moderator: Katja Krauter, HSWT, Hiwot Abayne Ayale, Ethiopia, invited speakers
Wednesday, 03 August, 2022 1:00 pm - 4:00 pm (CET)	Online Seminar No. 11 The Economics of Biodiversity and an Introduction to the Concept of Ecosystem Services	Moderator: Dr. Bernd Müller, HSWT, invited speakers
Wednesday, 07 September, 2022 1:00 pm - 4:00 pm (CET)	Online Seminar No. 12 Pre Conference Meeting	Moderator: Dr. Bernd Müller, HSWT

Part 3: Onsite training seminar:

Agenda 2022 – Part 3: Onsite Training Seminar at Triesdorf Campus: Improved use of natural resources in developing countries Innovations in resource efficiency, decentralised energy systems, bioenergy, solar energy and sustainable land use		
Date/Time	Topic/Event	Alternative Topics/Events
Monday, 17 October, 2022	Arrival Day Introduction Guided Tour through Triesdorf	
Tuesday, 18 October, 2022	Day 1-1 Solar Energy (Group I) Lectures: <ul style="list-style-type: none"> • Solar Thermal, Solar Cooking /Baking • Deepening Solar Energy (e.g. batteries) • Technology of Solar Home Systems (SHS) Hands-On Seminar: <ul style="list-style-type: none"> • Hands-on Seminar: Build a Solar Home System 	Day 1-2 Bioenergy (Group II) Lectures <ul style="list-style-type: none"> • Biogenic Solid Fuels • Deepening Bioenergy (e.g. BioFuels, Compost) Hands-On Seminars <ul style="list-style-type: none"> • Construction and operation of a small scale Biogas Plant • Kon-Tiki (Biochar production) – Terra Preta
Wednesday, 19 October, 2022	Day 2-1 Solar Energy (Group I) Excursions: <ul style="list-style-type: none"> • Solar Thermal • Off Grid Products • Solar Home Systems • Batteries 	Day 2-2 Bioenergy (Group II) Excursions <ul style="list-style-type: none"> • Biogas Plant • Woodchip Heating Plant • Wood Gasification • local and district heating networks
Thursday, 20 October, 2022	Day 3 (Group I +II) Lectures (morning): <ul style="list-style-type: none"> • Resource Efficiency 	Excursions (afternoon): <ul style="list-style-type: none"> • Agricultural Dairy Farm

	<ul style="list-style-type: none"> • Sustainable Agriculture 	<ul style="list-style-type: none"> • Combined Heat and Power Plant (CHP) • Briquette Production
Friday, 21 October, 2022	Day 4 (Group I +II) Lectures (morning): <ul style="list-style-type: none"> • Economic Evaluation • Life Cycle Assessment 	Official Farewell + City Tour (afternoon)
Saturday, 22 October, 2022	Bus - Transfer to Campus Birkenfeld	Cultural stopover in Heidelberg with guided tour of the castle and gondola ride to the Königstuhl

Note: subjects to change without notice

ANNEX FOUR

Tentative programme International Circular Economy Week (ICEW) 2022

The following table illustrates the potential programme of the intended ICEW 2022 and its key components.

SUNDAY (in Calendar Week 43/2022)	
14:00 – 18:00	DAAD Welcome and Networking Event
MONDAY, 21ST OCTOBER	
08:45	Welcome & Keynote Address: Zero Emission & Circular Economy - a decade of success Professor Dr. Peter Heck, Managing Director, IfaS
10:30	Guided Technology Site Visit - 1 Technologies for Zero Emission at Europe's premier Zero Emission campus
11:30	Lunch @ Mensa, ECB
12:30	Transfer to Neubrücke (Nahe)
12:45	Guided Technology Site Visit - 2 Biomass-to-Energy
13:00	Transfer to Morbach
13:30	Guided Technology Site Visit - 3 Renewable Energy landscape, Morbach: repurposing waste land for RE generation
15:30	Transfer to Kirchberg @ Rhein-Hunsrück Entsorgung
16:00	Guided Technology Site Visit - 4 Greenery Waste Treatment & Energy Production
TUESDAY	
08:15	Transfer to Trier
10:00	Guided Technology Site Visit - 5.1 Energy & Technology Park: green buildings and application of energy efficiency
12:00	Lunch
14:00	Guided Technology Site Visit - 5.2 Energy Autarky wastewater treatment
16:00	Guided Technology Site Visit - 5.3 Sustainable illumination solutions and digital infrastructure
17:00	Transfer to Simmertal
18:30	LED light show at Simmertal castle
19:30	Dinner reception @ Simmertal
WEDNESDAY	
09:00	10th International Circular Economy Conference Session I
12:45	Lunch
14:00	10th International Circular Economy Conference Session II
19:30	Dinner reception: hosted by IfaS
THURSDAY	
08:15	Transfer to Forbach, France
10:00	Guided Technology Site Visit - 6 Bio-waste Management Solutions by SYDEME: multiple options for sustainable bio-waste valorisation
12:30	Transfer to Kaiserslautern
13:45	Lunch
15:00	Guided Technology Site Visit - 7 Centralised waste management by ZAK
16:30	Transfer to ECB, Birkenfeld
18:00	Farewell dinner @ Mensa @ Environmental Campus Birkenfeld
Friday	
09:00 – 14:00	DAAD Welcome and Networking Event
	Individual departure