**Brandenburg University of Technology Cottbus-Senftenberg (BTU CS) Dnipro University of Technology (NTU DP)**

**National University of Science and Technology MISIS**

**RUDN University**

**with Support of DAAD**

**Programme of the Study Seminars**

**“Transition to Sustainable Consumption and Production**

 **in Industry: The Business Management Context”**

**20th October – 19th November 2021**

 **(online)**

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| **First week** |
| **20th October 2021****Wednesday** | 14:00 | **Key Lecture 2**: Sustainability and Bioeconomy Nexus: An Exploration to Effects, Contributions and Technological Innovations and Regional Perspectives  | (Zoom)Nicolas Sarmiento Sierra *BTU CS* |
| 16:00 | ***Panel discussion:*** Bioeconomy in Ukraine  | (Zoom) |
| 1. Sustainable Land Use in an Industrial Region
 | Mykola Tregub*Prof., PhD, NTU DP* |
| 1. Current State and Prospects of Bioeconomy in Ukraine
 | Maryna Pashkevych*Prof., Dr.,* *NTU DP* |
| 1. Certification of Biomass Sustainability for Biofuel Production
 | Nataliia Dreshpak*Ass.Prof.,* *PhD, NTU DP* |
| 18:00 | End of the day |

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| **Second week** |
| **28th October 2021****Thursday**  | 10:00 – 11:30 | **Lecture 1.** **Closed-loop economics in the context of Sustainable Development:** Sustainable Development. The emergence of the concept and practice of sustainable development  **Лекция 1.** *(Внутренняя)* **Экономика замкнутого цикла в контексте устойчивого развития:** Устойчивое развитие. Появление понятия и практики устойчивого развития | (Teams)Anna Kurbatova, *Prof. of Institute of Ecology,**RUDN University* Курбатова Анна  |
| 11:30 – 13:00 | **Lecture 2.** From Linear Economics to Closed-loop Economics**Лекция 2.** *(Внутренняя)* От линейной экономики к экономике замкнутого цикла | (Teams)Anna Kurbatova, *Prof. of Institute of Ecology,**RUDN University* Курбатова Анна  |
| **29th October 2021****Friday** | 16:30 – 18:00 | Master Class: Clean Water Act,· Safe Drinking Water Act,· WHO Standards,· EU Standards | (Zoom)Dr. Kurbatova Anna , *Prof. of Institute of Ecology, RUDN University* |

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| **Third week** |
| **1st November 2021 Monday** | **Thematic Session 3: Climate and Environmental Protection**  |
| 10:00 – 11:30 | **Lecture 3.** Action plans for the transition to a closed-loop economy **Лекция 3***(Внутренняя)***.** Планы действий по переходу к экономике замкнутого цикла | (Teams)Anna Kurbatova, *Prof. of Institute of Ecology,**RUDN University* Курбатова Анна  |
| 11:30 – 13:00 |  **Lecture 4.** Waste management[Лекция 4*(Внутренняя)*. Обращение с отходами](#_Toc40995818) | (Teams)Anna Kurbatova, *Prof. of Institute of Ecology,**RUDN University* Курбатова Анна  |
| 14:00 | **Key Lecture 4**: Communicating Climate Change under Article 12 of the Paris Agreement | (Zoom)Niyanta Shetye*BTU CS* |
| 15:30 | (Zoom)***Panel discussion:*** Decarbonization for Highly Polluting Industries: Metallurgy and mining |
| 16:30 | Break |
| 16:45 | ***Distance business game:*** Greenhouse Gas Free City through Renewable Energy  | (Zoom)*Moderator:*  Tetiana Kuvaieva*Ass.Prof.,* *PhD, NTU DP* |
| 17:45 | End of the day |
| **2nd November 2021 Tuesday** | 14:00 | **Key Lecture 5**: Transformative and Regenerative Climate Adaptation | (Zoom)Laueline Simon Krishewsky *One Resilient Earth, Bonn, Germany*  |
| 18:30 | End of the day | (e-Platform of the Partner University) |
| **5th November 2021 Friday** | 16:30 – 18:00 | **Master Class: Surface Water Standards:** Drinking water quality of the centralized water supply and public health risk assessment (Case Study in the town of Aprelevka and Novogorsk microdistrict, Moscow) | (Zoom)Dr. Kurbatova Anna , *Prof. of Institute of Ecology*RUDN University |

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| **Fourth week** |
| **8th November 2021 Monday** | **Thematic Session 4: Energy Management Systems**  |
| 14:45 | **Key Lecture 6**: Energy Management System ISO 50001: Implementation in Industry | (Webex)Robert Atkinson *Arcadis, Germany* |
| 16:15 | Break |
| 17:30 | ***Distance business game:*** Preparing PJSC Dniprometiz for the Implementation of an Energy Management System | (Webex)*Moderator:*  Nataliia Dreshpak*Ass.Prof.,* *PhD, NTU DP* |
| 18:00 | End of the day |
| **9th November 2021 Tuesday** | 16:30 – 18:00 | ***Lecture Sources of water pollution*** Water Resources, The Hydrologic Cycle | (Zoom)Dr. Kurbatova Anna , *Prof. of Institute of Ecology*RUDN University |
| **11th November 2021 Thursday** | 10:00 – 11:30 | **Лекция 1***(Внутренняя)***.** Мирный атом. Обзор современных ядерных технологий | (Teams) Dr. Masamba Kah , *NUST “MISiS”* |
| 12:00 – 13:30 | ***Lecture 1***: Concept Industrial and educational entrepreneurship  | (Zoom)Dr. Masamba Kah , *NUST “MISiS”* |
| **12th November 2021 Friday** | 10:00 – 11:30 | **Лекция 2***(Внутренняя)***.** Мирный атом. Ядерные технологии в агропромышленном комплексе | (Teams) Dr. Masamba Kah , *NUST “MISiS”* |
| 12:00 – 13:30 | ***Lecture 2***: Overview of the renewable energy market | (Zoom)Dr. Masamba Kah , *NUST “MISiS”* |
| 16:30 – 18:00 | **Lecture Sources of water pollution:** Classification of Sources of water pollution, Continuous and instantaneous sources, Sources of Chemical Water Pollution | (Zoom)Dr. Kurbatova Anna , *Prof. of Institute of Ecology* RUDN University |

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| **Fifth week** |
| **15th November 2021****Monday** | 10:00 – 11:30 | **Лекция 3***(Внутренняя)***.** Мирный атом. Ядерные технологии в медицине | (Teams) Dr. Masamba Kah , *NUST “MISiS”* |
| 12:00 – 13:30 | ***Lecture 3***: Advanced renewable energy technologies  | (Zoom)Dr. Masamba Kah , *NUST “MISiS”* |
| 14:45 | **Key Lecture 8**: Moving from Voluntary to Mandatory Sustainability Standards | (Webex)Robert Atkinson *Arcadis, Germany* |
| 16:15 | Break |
| 18:00 | (Webex)***Seminar at the BTU:*** Towards Sustainable Production and Consumption |
| 19:00 | End of the day |
| **16th November 2021 Tuesday** | 10:00 – 11:30 | **Лекция 4***(Внутренняя)***.** Мирный атом. Ядерные технологи*(Внутренняя)*и в энергетике | (Teams) Dr. Masamba Kah , *NUST “MISiS”* |
| 12:00 – 13:30 | ***Lecture 4***: Economics of the renewable energy market | (Zoom)Dr. Masamba Kah , *NUST “MISiS”* |
| 16:30 – 18:00 | **Master class:** Contribution of Solid Waste to Climate Change | (Zoom)Dr. Kurbatova Anna , *Prof. of Institute of Ecology* RUDN University |
| **17th November 2021****Wednesday** | 12:00 – 13:30 | ***Lecture 5:*** Digitalization of renewable energy sources | (Zoom)Dr. Masamba Kah , *NUST “MISiS”* |
| 16:30 – 18:00 | ***Lecture:***Impact of biogas flaring on distruction of hazardous components: Case stady landfill «Kuchino» | (Zoom)Dr. Kurbatova Anna , *Prof. of Institute of Ecology* RUDN University |
| **18th November 2021** **Thursday** | **Thematic Session 5: The Involvement of Citizens in Matters Relating to Environmental Sustainability** |
| 12:00 – 13:30 | ***Lecture 6:***Project - presentations on the possibilities of implementing business projects in different regions of the world | (Zoom)Dr. Masamba Kah , *NUST “MISiS”* |
| 14:00 | ***Key Lecture 9***:Citizen Science – A New Tool for Tackling Environmental Issues at Grass Root Levels? Examples from Resources Nexus Problems | (Zoom)Sabrina Julie Kirschke*United Nations University**Dresden, Germany* |
| 16:00 | End of the day |

**Links:**

Zoom

<https://goethe-institut.zoom.us/j/86387664599?pwd=MzU5SXBKYy9UT1gwL2tuZlVjR0ZiUT09>

Meeting ID: 863 8766 4599

Passcode: H5vMN+

Webex

<https://b-tu.webex.com/b-tu-en/j.php?MTID=mb0683e722edb29d3343e8abe6b025f9b>

Данные ссылки на все дни и все общие лекции на английском языке

Внутренние лекции на русском языке будут проводиться на платформе Microsoft Teams.

Ссылки будут высланы отдельно.

Время везде указано московское