

COMPOLL Mini Conference - **Day 1: Focus on keynotes and knowledge exchange**

30 Nov 2021

theory presentation break discussion/decision

TIME	TITLE	DESCRIPTION	ADDITIONAL INFO
<b>Opening Session</b>			
09:00 20'	<b>Welcome and Opening: Curriculum design for internationalisation of education for Combating environmental pollution</b>	<ul style="list-style-type: none"> <li>Prof. Gude and Prof. Darpe (Moderators)</li> </ul>	
09:20 10'	<b>Platform Onboarding &amp; Introduction (TBC)</b>	<ul style="list-style-type: none"> <li>Link and Introduction to Platform</li> <li>Quick Polls / Surveys (TBC)</li> <li>Introduction of participants in Chat? (TBC)</li> </ul>	
09:30 10'	<b>Embassy of India, Dr. Madhusudan Reddy</b>	<p><b>National Education Policy and Internationalisation of Higher Education India - Indo-German Perspective:</b> Dr. Madhusudan Reddy Nandineni</p> <p><b>Conference Abstract:</b> The new National Educational Policy-2020 (NEP-2020) in India, aims to develop good, thoughtful, well-rounded, and creative individuals. The NEP-2020 envisions a complete overhaul and re-energising of the higher education system to deliver high-quality higher education, with equity and inclusion. The various initiatives mentioned in the NEP-2020 will help in having larger numbers of international students studying in India, provide greater mobility to students in India who wish to visit, study at, transfer credits to, or carry out research at institutions abroad, and vice versa.</p> <p>As part of the internationalization, India is being promoted as a global study destination providing premium education at affordable costs. International Students Office at each HEI hosting foreign students will be set up to coordinate all matters relating to welcoming and supporting students arriving from abroad. Research/ teaching collaborations and faculty/ student exchanges with high-quality foreign institutions will be facilitated, and relevant mutually beneficial agreements with foreign countries will be signed. India's new National Education Policy creates environment and the legal framework for international universities to open branches/campus(es) in the country.</p>	

TIME	TITLE	DESCRIPTION	ADDITIONAL INFO
09:40 10'	<b>DAAD India, Ms Shikha Sinha</b>	<b>Indo German Cooperation: way forward:</b> Shikha Sinha  <b>Conference Abstract:</b> DAAD promotes academic exchange between Germany and India, Bangladesh, Bhutan, Nepal and Sri Lanka. It provides information about education in Germany, grants scholarships to students, invites scientists from Bangladesh, Bhutan, India, Nepal and Sri Lanka to Germany as well as those from Germany to these countries, and supports bilateral research projects. Ms. Shikha Sinha (DAAD Regional Office in New Delhi) will present cooperation projects between India and Germany, and talk about the role of DAAD, the upcoming DWIH connectING portal, and future activities of DAAD in networking and digitalisation.	
09:50 10'	<b>Break</b>		
<b>Session 1: E-Curriculum Design for International Education in Sustainability (ILK TUD, Germany)</b>			
10:00 10'	<b>UNESCO CIPSEM Centre for International Postgraduate Studies of Environmental Management</b>	<b>Suddenly online - lessons learned while organising online trainings for environmental decision makers:</b> Dr. Patrícia Gallo  <b>Conference Abstract:</b> How to organize engaging full-time online courses for environmental experts spread across many time zones working under partially challenging technical conditions? We will share what we have learned in terms of curriculum design, establishing a community spirit and transfer of new skills & knowledge into the participants' working lives since the beginning of the COVID-induced transformation of our course programme.	
10:10 10'	<b>UNU FLORES, International Master Programs</b>	<b>Representing UNU-FLORES personnel and format:</b> Lulu Zhang and Christina Froemder  <b>Conference Abstract:</b> UNU-FLORES has gained a considerable amount of experience in international capacity building projects and educational programmes. On the COMPOLL Mini Conference we will share our expertise in developed postgraduate programmes ( <a href="#">Master Thesis's Programmes</a> , <a href="#">Doctoral Programmes</a> with TU Dresden), international lecture series ( <a href="#">International Water Colloquium</a> ) and the running project in curricula design on environmental education (Curricula Development within the <a href="#">Chair for Sustainability and Innovation</a> project).	
10:20 10'	<b>HTW Dresden, VEMIWA: Prof. Dr. Kathrin Harre</b>	<b>VEMIWA – How Environmental Research is integrated into Educational Programs:</b> Prof. Dr. Kathrin Harre  <b>Conference Abstract:</b> The junior research group VEMIWA is working on the highly topical issue of microplastic pollution and is developing a new, cost-effective and time-saving method for identifying and quantifying microplastics in sediments and soils. The integration of research results into selected Master's courses is an integral part of this project, providing a high motivation factor for the students involved. At the same time, high-profile actions increase public awareness of environmental engineering tasks and support the recruitment of students for STEM subjects. (Prof. Dr. Thomas Grischek, Prof. Dr. Martin Socher, Prof. Dr. M.-P. Schmidt and Prof. Dr. Kathrin Harre)	

TIME	TITLE	DESCRIPTION	ADDITIONAL INFO
10:30 30'	<b>Round Table Discussion</b>	<ul style="list-style-type: none"> <li>• <i>Chair:</i> Prof. Dr. Maik Gude, ILK TUD and Dr. Anna Görner, Course director CIPSEM</li> <li>• <i>Moderation and conference platform</i> – Knoweaux Berlin</li> </ul>	
11:00 30'	<b>Break</b>		
<b>Session 2: &lt;Name&gt; IIT Delhi, India</b>			
11:30 10'	<b>Prof. Mayank Kumar</b>	<p><b>The Delhi Smog: A global and historical perspective:</b> Mayank Kumar</p> <p><b>Conference Abstract:</b> The discussion will be on conveying the key characteristics of Delhi's air pollution in relationship with historical air pollution episodes in major world cities such as London and Los Angeles. This discussion is intended to provide the basis for the introductory pedagogy on the topic of severe air pollution in Delhi-NCR and the larger Indo-Gangetic Plain.</p>	
11:40 10'	<b>Prof. Bahni Ray</b>	<p><b>Mitigation techniques to combat air pollution:</b> Bahni Ray</p> <p><b>Conference Abstract:</b> The intensity of air pollution depends on (a) pollutants from various sources, (b) their dispersion rate, (c) the concerned space getting affected, and most importantly (d) pollutant residence time. In this talk, I will present the various mitigation techniques which are used in practice. Based on the above four factors, the techniques which are best suited will be discussed. In the end, a possible curriculum for this topic will be addressed.</p>	
11:50 10'	<b>Prof. Ashish Darpe</b>	<p><b>Design of Acoustic Barrier to Mitigate Noise Pollution at IGI Airport New Delhi:</b> Ashish Darpe</p> <p><b>Conference Abstract:</b> Facing several complaints, the Delhi International Airport Limited enlisted several measures to mitigate the noise pollution associated with air traffic at the Indra Gandhi International Airport owing to its location within the city limits. One of these measures involved exploring the possibility of containing the noise generated immediately after the touchdown of an aircraft from transmitting to the nearby residential areas. It was contemplated to design and build an acoustic barrier accounting for various aspects of the ground situation. The runway in question is one of the biggest measuring more than 4000 meters. Although the basic design involves a relatively simple concept, this particular runway had an interesting ground topology and that necessitated elaborate design calculations. The same will be briefly discussed during this talk.</p>	
12:00 30'	<b>Round Table Discussion</b>	<ul style="list-style-type: none"> <li>• <i>Chair:</i> Prof. D Dasgupta and Prof. Ashish K Darpe</li> <li>• <i>Moderation and conference platform</i> – Knoweaux Berlin</li> </ul>	
12:30 20'	<b>Checkout and Closing</b>	<ul style="list-style-type: none"> <li>• Prof. Gude and Prof. Darpe (Moderators)</li> <li>• Q&amp;A</li> <li>• Program Overview Day 2</li> </ul>	
12:50 10'	<b>Buffer</b>		
13:00			

TOTAL LENGTH: 04:00

# COMPOLL Mini Conference - Day 2: Focus on Workshops and concrete Collaboration between both faculties

01 Dec 2021

■ theory 
 ■ break 
 ■ exercise 
 ■ presentation 
 ■ discussion/decision

TIME	TITLE	DESCRIPTION	ADDITIONAL INFO
<b>Opening Session</b>			
09:00 15'	<b>Welcome and Opening</b>	<ul style="list-style-type: none"> <li>Prof. Ashish Darpe and Prof. Dr. Niels Modler (Moderators)</li> <li>Review of results DAY 1</li> </ul>	
09:15 15'	<b>Platform Feedback or Surveys (TBD)</b>	<ul style="list-style-type: none"> <li>Quick Polls / Surveys (TBC)</li> <li>Q&amp;A / Open Mic? (TBC)</li> </ul>	
09:30 5'	<b>Briefing to Workshop Sessions</b>		
09:35 10'	<b>Short Break, Participants move to Breakout Sessions</b>		
<b>Workshops (Participants are divided into 2 groups, both workshops run in parallel, after 30 minutes switch of groups)</b>			
09:45 0'		<ul style="list-style-type: none"> <li>Workshop A, Group 1</li> <li>Workshop B, Group 2</li> </ul>	
09:45 30'	<b>Workshop A+B in parallel</b>	<p><b>(A) E-Teaching: Tools and Didactics for Pollution Aware Engineering (ILK TUD, Germany)</b></p> <p><i>Facilitators:</i></p> <ul style="list-style-type: none"> <li>Prof. Dr. Niels Modler</li> <li>Prof. Sanjeev Sanghi (IITD)</li> </ul> <p><i>Contributors:</i></p> <ul style="list-style-type: none"> <li>Dipl.-Ing. Christoph Laabs (ZiLL)</li> <li>MA Franzisca Scallan (FIT)</li> </ul> <p><b>(B) Research activities on pollution control and their integration in curriculum design (IIT Delhi, India)</b></p> <p><i>Facilitators:</i></p> <ul style="list-style-type: none"> <li>Prof. A K Darpe (IITD)</li> <li>Dr. Albert Langkamp (ILK TUD)</li> </ul>	CLEAR GOALS to ensure outcome
10:15 5'	<b>Participants switch Workshops</b>	<ul style="list-style-type: none"> <li>Workshop A, Group 2</li> <li>Workshop B, Group 1</li> </ul>	
10:20 30'	<b>Workshop A+B in parallel</b>	Details above	
10:50 15'	<b>Break</b>		
<b>Presentation of Workshop Results</b>			
11:05 10'	<b>Results Workshop A</b>	<ul style="list-style-type: none"> <li>Prof. Dr. Niels Modler</li> <li>Prof. Sanjeev Sanghi (IITD)</li> </ul>	
11:15 10'	<b>Results Workshop B</b>	<ul style="list-style-type: none"> <li>Prof. A K Darpe (IITD)</li> <li>Dr. Albert Langkamp (ILK TUD)</li> </ul>	
11:25 5'	<b>Q&amp;A / Discussion</b>		
11:30 30'	<b>Break</b>		

TIME	TITLE	DESCRIPTION	ADDITIONAL INFO
<b>Brainstorming Session</b>			
12:00 50'	<b>Brainstorming Session:</b>	<ul style="list-style-type: none"> <li>• Curriculum design</li> <li>• Tools / Didactics</li> <li>• Topics for international education in Pollution Aware Engineering</li> <li>• Anchoring research on pollution control in the teaching formats and knowledge transfer</li> </ul>	
12:50 10'	<b>Checkout and Closing</b>	<ul style="list-style-type: none"> <li>• Prof. Gude and Prof. Darpe (Moderators)</li> <li>• Closing</li> </ul>	
13:00			

TOTAL LENGTH: 04:00