



Centre for International Politics,  
Organization and Disarmament (CIPOD)  
Jawaharlal Nehru University, New Delhi, INDIA



Centre for International Trade and Development  
Jawaharlal Nehru University  
New Delhi, INDIA

*jointly invite you for a*

# COLLOQUIUM

on

# Sustainable Development & Circular Economy

RANJULA BALI  
SWAIN

## INTERLINKAGES BETWEEN SUSTAINABLE DEVELOPMENT GOALS

Ranjula Bali Swain is Research Director and Visiting Professor at Center for Sustainability Research (CSR), Stockholm School of Economics and Professor of Economics at Södertörn University. Her research interests extend to Microfinance, Vulnerability, Sustainable Development and Circular Economy. Read more about her research at

<https://www.hhs.se/en/persons/b/bali-swain-ranjula/>

SUSANNE  
SWEET

## FRAMEWORK FOR CIRCULAR ECONOMY IMPLEMENTATION IN SUPPLY CHAINS

Susanne Sweet is Research Director at Center for Sustainability Research (CSR), and Associate Professor at Stockholm School of Economics. Her research interests includes Sustainable Consumption and Production, Corporate Social Responsibility, Circular Economy Business Models, CE Implementation etc. Read more about her research at

<https://www.hhs.se/en/persons/s/sweet-susanne/>

**CHAIR: DR. ARCHNA NEGI**  
CIPOD, JNU

**APRIL 3, 2023**  
**11 AM -1 PM**  
**ROOM NO. 344, SIS II**

TIME	AGENDA
11:00 - 11: 10 AM	<p style="text-align: center;"><b>WELCOME &amp; INTRODUCTION</b>  <b>PROF. APARNA SAWHNEY</b>  CITD, JNU</p> <p style="text-align: center;"><b>OPENING REMARKS</b>  <b>PROF. SANGEETA BANSAL</b>  CHAIRPERSON, CITD, JNU  &amp;  <b>PROF. JAYATI SRIVASTAVA</b>  CHAIRPERSON, CIPOD, JNU</p>
11:10 - 12:50 PM	<p style="text-align: center;"><b>CHAIR: DR ARCHNA NEGI</b>  CIPOD, JNU</p>
11:10 - 11: 45 AM  11:45 - 12:00 PM	<p style="text-align: center;"><b>INTERLINKAGES BETWEEN SUSTAINABLE  DEVELOPMENT GOALS</b>  <b>PROF. RANJULA BALI SWAIN</b>  RESEARCH DIRECTOR &amp; VISITING PROFESSOR AT CENTER FOR  SUSTAINABILITY RESEARCH, STOCKHOLM SCHOOL OF  ECONOMICS; AND  PROFESSOR OF ECONOMICS AT SÖDERTÖRN UNIVERSITY</p> <p style="text-align: center;"><b>DISCUSSION/ Q&amp;A</b></p>
12:00 - 12: 35 PM  12:35 - 12:50 PM	<p style="text-align: center;"><b>FRAMEWORK FOR CIRCULAR ECONOMY  IMPLEMENTATION IN SUPPLY CHAINS</b>  <b>PROF. SUSANNE SWEET</b>  RESEARCH DIRECTOR AT THE CENTER FOR SUSTAINABILITY  RESEARCH, AND  ASSOCIATE PROFESSOR AT STOCKHOLM SCHOOL OF  ECONOMICS</p> <p style="text-align: center;"><b>DISCUSSION/ Q&amp;A</b></p>
12:50 - 1:00 PM	<p style="text-align: center;"><b>CLOSING REMARKS</b>  <b>PROF. VINISH KATHURIA</b>  SCHOOL OF MANAGEMENT, IIT BOMBAY  &amp;  <b>PROF. MEETA K. MEHRA</b>  CITD, JNU</p>

# INTERLINKAGES BETWEEN SUSTAINABLE DEVELOPMENT GOALS

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Universal, ambitious, and arguably ambiguous, the UN's Sustainable Development Goals (SDG) are difficult to measure, monitor, prioritize and achieve. They are a multi-dimensional construct of economic, social and environmental indicators that work through complex interlinkages. We investigate these interlinkages at the SDG target level to identify the trade-offs and synergies between the SDGs. Second, we identify the community of interlinked SDG targets to determine if the SDGs can be benchmarked and prioritized for different regions. Employing a network analysis approach the analysis is based on the IAEG-SDG data for the period 2000–2017. We find several positive and negative interlinkages (reinforcing and balancing feedbacks) between the SDG targets. The trade-offs, however, are much weaker than the synergies. Analyzing network structures for different regions, our results suggest that universal benchmarking of SDGs is counterproductive. We argue that it may be useful to identify a specific community of SDG targets and use them as a guide to prioritize certain goals in different regions.



## FRAMEWORK FOR CIRCULAR ECONOMY IMPLEMENTATION IN SUPPLY CHAINS

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Closing the loop for resource efficiency is a well-known practice in the industry. To concretize the circular economy implementation strategies, closed-loop thinking requires innovation and adaptation. Circular supply chains (CSC) are one of the key enablers in closing the loop by design or intention for value recovery and profit maximization. CSC is an emerging area and the view of CSC where forward and reverse supply chain is seamlessly integrated with the overall aim to achieve system-wide circularity is missing in the academic debate. By offering a cross-functional and systemic perspective of circular supply chains, we present a guiding framework to structure and understand the underlying complexities and highlight the crucial elements of the circular supply chain implementation. The framework categorizes the circular supply chain into four building blocks: systemic approach, main drivers, levels of decision making, and mechanisms to manage the full loop closure and minimize the inherent uncertainties of a complex system.

Presentation based on a recent published article:

Amir, S., Salehi, N., Roci, M., Sweet, S., & Rashid, A. (2022). Towards circular economy: a guiding framework for circular supply chain implementation. *Business Strategy and the Environment*. Doi: <https://doi.org/10.1002/bse.3264>