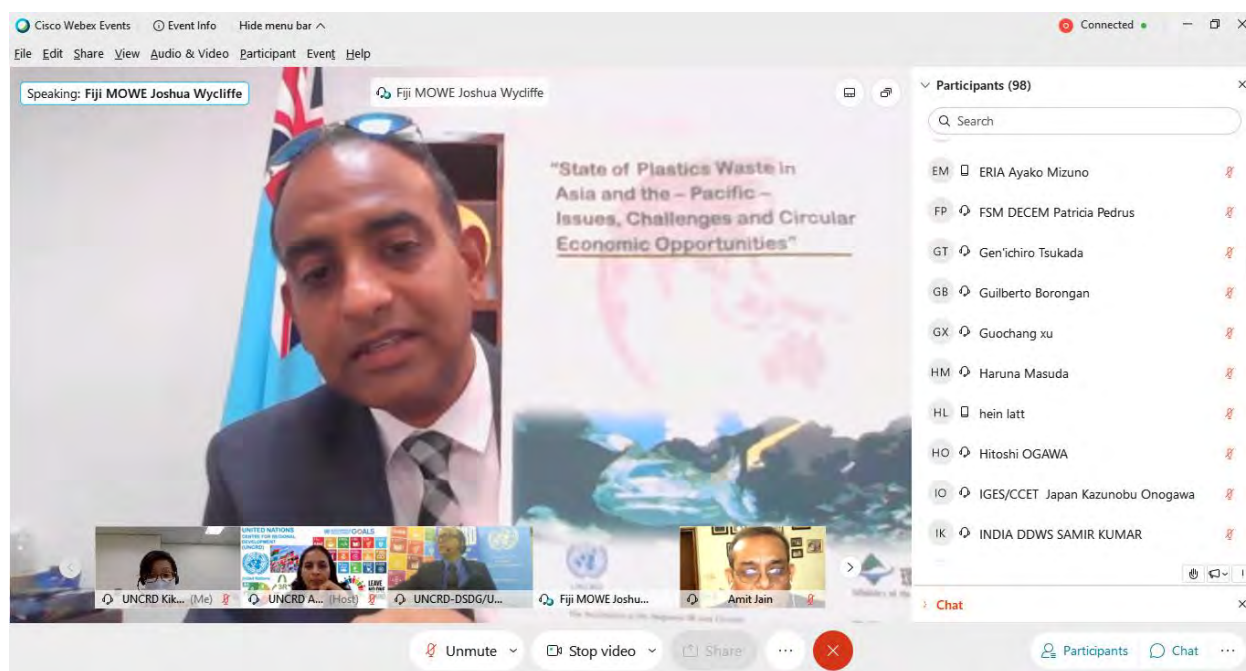
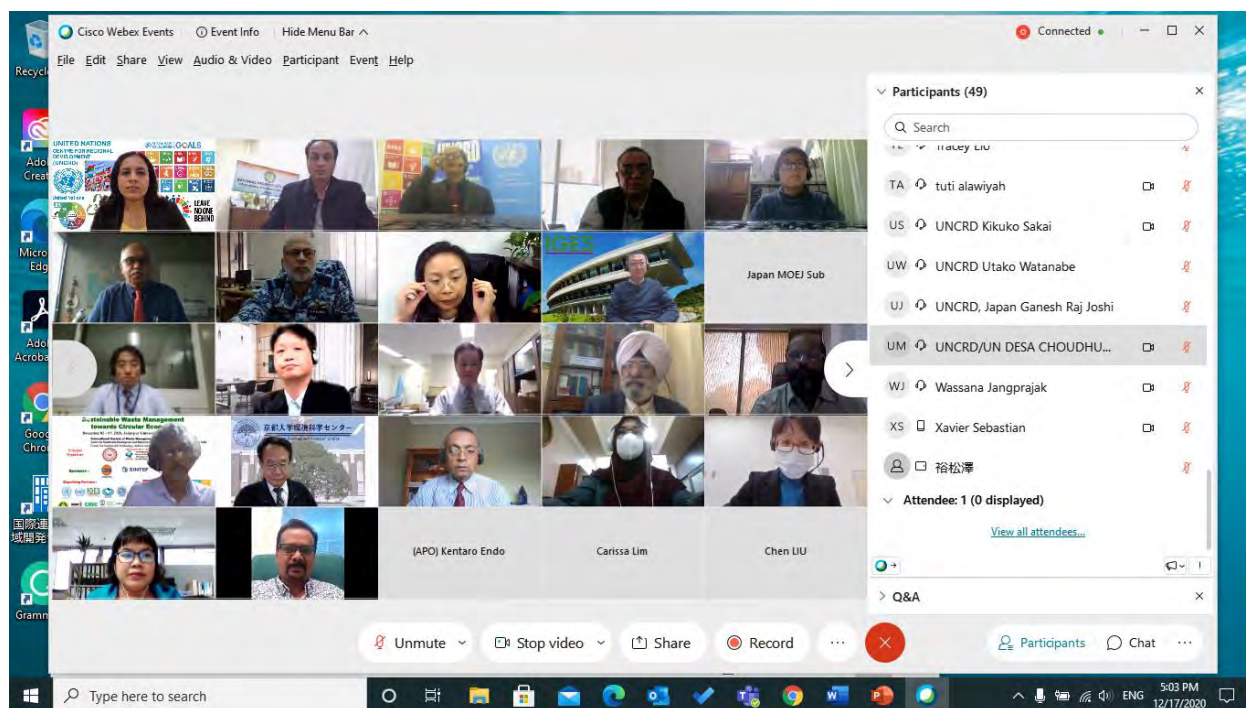
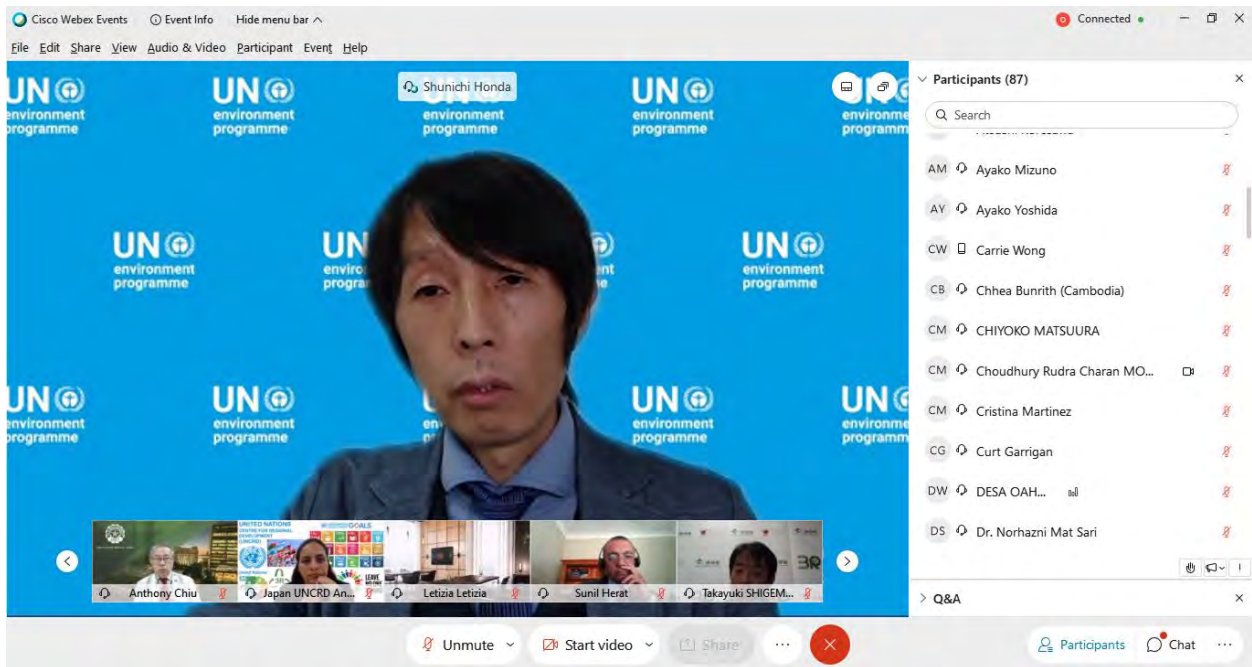
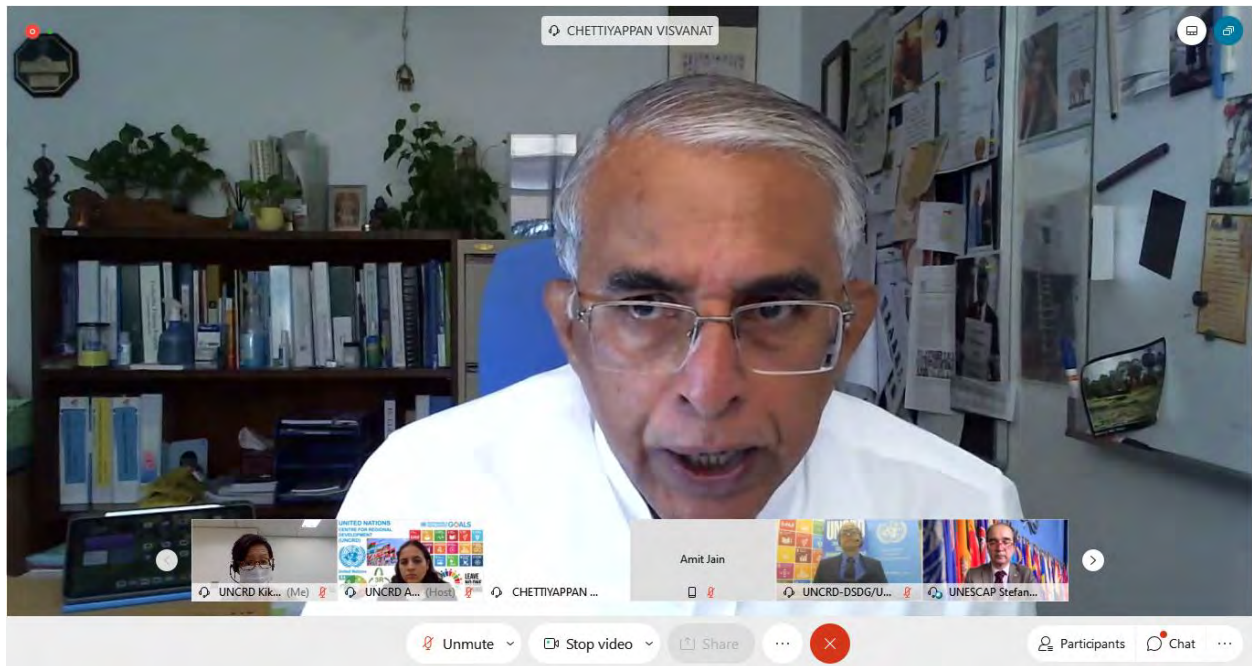
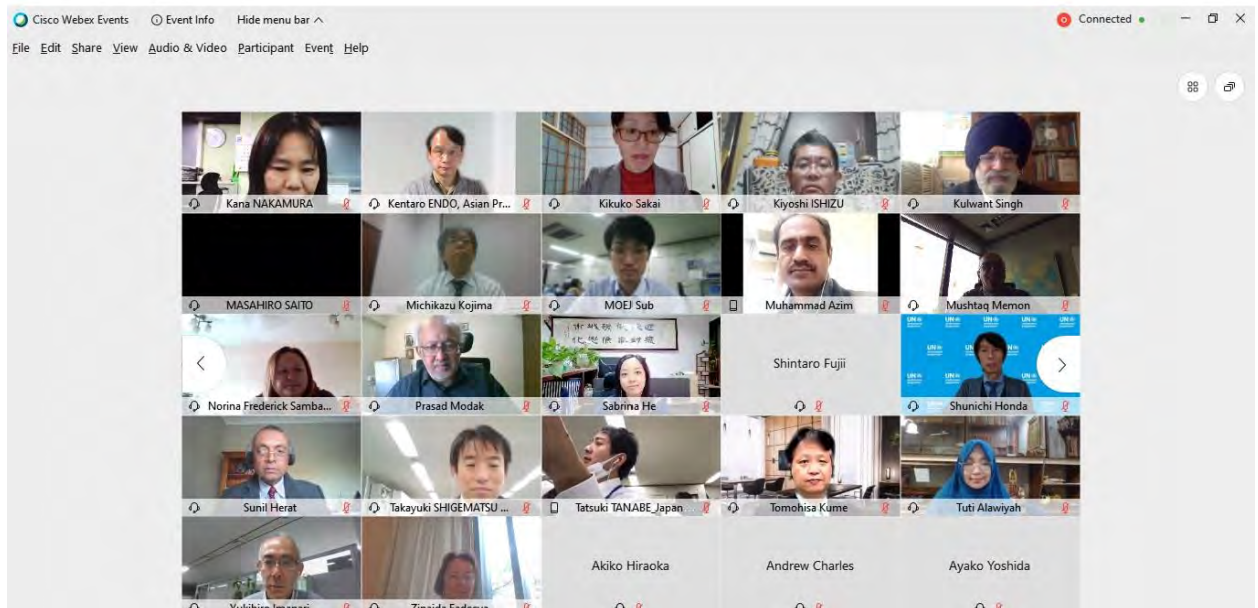


Photos of the 10th Regional 3R and Circular Economy Forum







PowerPoint Slide Show - Panel discussion questions - PowerPoint

Viewing Ganesh Joshi's ...

Questions for Panel Discussion (Webinar II)

1) The cities and municipalities might experience reduction in their waste management services due to the new normal behaviors and the fear of COVID-19 infection has posed many challenges for the future sustainability of waste management services of cities. How can cities and municipalities build-back-better the entire waste management system and services keeping in mind the aftermath of COVID-19? What should be the defining management system and services keeping in mind the future as well as the mitigation of such virus spreading?

Speaking: Curt Garrigan

Curt Garrigan

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2) How can cities and countries institute or devise better 3R and circular economy policies, programs and institutions to strengthen resilience of cities to fight or withstand against such health emergencies, including pandemics like COVID-19? What critical issues does COVID-19 pandemic offer us in this regard?

3) How can countries and cities effectively integrate public health considerations into 3R and circular economy policy, planning, including infrastructure development, to minimize the health impact of such pandemics in future?

4) Technological advancements in 3R and circular economy areas may mitigate the fears of infection in waste management service and industry. How could we foster such technological advancements at local and national level through regional (international) cooperation?

5) How can countries and cities make the socio-economic system redesign sustainable and resilient through transition to circular economy post-COVID-19 based on the 3 transitions concept introduced by Japan?

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Sunil Herat

anbumozhi venkatacha...

gium - Karl Vrancke...

INDIA/JRGSSA, Apoorva...

Indonesia-palembang ...

Japan MOE / Takayuki ...

Japan, Panasonic Kensa...

Japan/JWRF KAJIHARA

K D Bhardwaj

Kulwant Singh

Masashi Yamamoto

Phoe Boon Poh Penang

Philippines, DENR EMB ...

Prof. Sadhan K Ghosh

Tomohisa Kume

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Wassana Jangprajak

(APO) Kentaro Endo

Abesh Chatterjee

Amit Jain

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4) Technological advancements in 3R and circular economy areas reduce the risk of infection in waste management service and industry. How can technological advancements at local and national level through digitalization and cooperation?

5) How can countries and cities make the socio-economic system more resilient through transition to circular economy post-COVID-19 based on the concept introduced by Japan?

Speaking: Heinz Schandl

Heinz Schandl

pan UNCRD Utako Wa...

Japan UNL...

Heinz Schandl

Karl Vrancken (V...

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Speaking: Prof. Sadhan K Ghosh, UNCRD/UN DESA ...

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Roshan Wolusmal

Prof. Sadhan K Ghosh

Belgium - Karl Vrancke...

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Indonesia-palembang...

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Japan MOE/ Yasuki YA...

Japan, Panasonic Kensa...

Japan/JWRF KAJIHAR

K D Bhardwaj

Masashi Yamamoto

Michikazu Kojima

Phee Boon Poh Penang

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Speaking: CHETTIYAPPAN VISVANAT

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Questions for Panel Discussion (Webinar IV)

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Speaking: Prof. Sadhan K Ghosh

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Belgium - Karl V...

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Sustainable Waste Management towards Circular Economy

December 02 - 07, 2020

Kolkata, India

International Society for Solid Waste Management (ISSWM)

Centre for Sustainable Management, Jadavpur University, India

Principal Organisers

Sponsors:

Organising Partners:

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Energy Efficiency & Circular Economy

- Using integrated circular metabolism-based energy planning
- Optimizing mixed-use development and creating resilient communities with shared economy
- Developing distributed energy and prioritizing district energy systems
- Achieving energy intelligent management by Smart Grid Technologies
- Renewable energy and cleaner production
- Developing carbon offsets and trading
- A paradigm shift and applying circular economy principles to the built environment
- Promoting behavioural change

Image credit: ID 126819026 © Alamy Ltd/Dreamstime.com

Speaking: Christine Ho

Christine Ho

Anthony Chiu

Japan UNCRD Anupa...

Prasad Modak

Sunil Herat

Tomohisa Kume

Wassana Jangprajak

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環境省
Ministry of the Environment

Regional Circulating and Ecological Spheres

Forming multilayered circulation with optimal scale, according to regional characteristics and the nature of circulating resources

National level: Recycling laws for specific resources

Regional circular spheres: Creation of new businesses, Reduction of Social costs, Connection between Stakeholders, Innovation, Ensuring stability of waste disposal facilities and landfill sites, Creation of Low Carbon Society and Symbiotic Society

Plan for Establishing SMC Society*

*SMC Society: Sound Material-Cycle Society
**WDP: Waste Disposal Plan

Speaking: Takayuki SHIGEMATSU MOE Japan

Takayuki SHIGEMATSU MOE Japan

Japan UNCRD Utako Wat...

Ganesh Joshi (Host)

Takayuki SHIGEMATSU...

Karl Vrancken (VITO)

Cristina Martinez

Prasad Modak

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Speaking: K D Bhardwaj

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Questions for Panel Discussion (Webinar IV)

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Chiyoko MATSUURA

DESA OAH WEBEXS

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Speaking: UNCRD Anupam Khajuria (Host), UNCRD-...

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Jun Gang Tein	K D Bhardwaj	kohei watanabe	Ma Bella Guinto	Malaysia DOE Norina Fre...
Maria Potaeva	MASAHIRO SAITO	Mushtaq Memon	Myanmar ECD Hla Hla Ht...	Naing Naing Linn

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PowerPoint Slide Show - [R] a Viewing Cristina Martin... - PowerPoint

Speaking: Cristina Martinez

International Labour Organization

Waste from hybrid vehicles in Fiji is a significant OHS risks associated with use, handling and dismantling of vehicles

4


- Occupational health & safety (OHS) training for hybrid & electric vehicle (HEV) owners, garages, dismantlers & scrap metals, first responders, automotive trainers, OHS inspectors
- OHS inspector awareness raising whilst on OHS inspection duties

Better worker protection

- Hybrid & electric vehicle (HEV) trainers & tertiary students
- OHS inspectors, vehicle/ scrap metal dismantlers, first responders, HEV owners and HEV garage owners

Improve skills

Coordination of policy & action



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Sakai Kikuko Me Anupam ... (Host) YUUCHI ARITA Biswajit Banerjee Choudhury Rudra... Rene Van Berkel


UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION

Viewing Rene Van Berkel's a...

SUSTAINABLE DEVELOPMENT GOAL 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

2. Practice Efficiency

Resource EFFICIENCY



Input change

Good housekeeping

Product modification

Production of useful by-products

Better process control

Equipment modification

Technology change

On-site reuse & recycling

Resource Efficient and Cleaner Production

UNIDO 2015

INCLUSIVE AND SUSTAINABLE INDUSTRIAL DEVELOPMENT

WWW.UNIDO.ORG

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Speaking: FSM DECEM Patricia Pedrus

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JK

Japan Mitsubishi Che

UNCRD Anupam Khaj

XS

Xavier Sebastian

CB

Cambodian - MOWR

CHETTIYAPPAN VISV

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CENTRE FOR REGIONAL
DEVELOPMENT
(UNCRD)

United Nations

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Prasad Modak

Speaking: Prasad Modak

Anthony Chiu

Choudhury Rudra Cha...

Sumil Herat

Takayuki SHIGEMATSU...

Agamuthu PARIATAMBY

Wassana Jangprajak

Do you agree COVID-19 has made us -

- Appreciate cleaner air, blue skies and healthier lifestyle
- Support local sourcing and inclusive supply chain
- Adapt to advent of technology and learn gadgets to stay afloat – especially the digitalization
- Re-think about your usage and dependence on single-use plastics

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Sakai Kikuko
Me

Anupam ... (Host)

YUICHI ARITA

Akiyo Morita

Choudhury Rudr...

Tsuyoshi Fujita

Viewing YUICHI ARITA's ap...

City of Kitakyushu
Promoting a Circular Economy

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Viewing UNCRD Anupam K...

Speaking: anbumozhi venkatachalam

anbumozhi venkatachalam

Amit Jain Arab Hoballah Aung Ming Mao

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Speaking: Fiji MOWE Joshua Wycliffe

Fiji MOWE Joshua Wycliffe

Participants (98)

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FW Fiji MOWE Joshua Wycliffe

FP FSM DECEM Patricia Pedrus

GT Gen'ichiro Tsukada

GB Guilberto Borongan

GX Guochang xu

Chat

“State of Plastics Waste in Asia and the Pacific – Issues, Challenges and Circular Economic Opportunities”

United Nations

Coordinated by
The Secretariat of the Regional 10 and Circular Economy Forum in Asia and the Pacific
United Nations Centre for Regional Development (UNCRD) of Division for Sustainable Development Goals (DSDG)/UNEP

環境省
Ministry of the Environment
supported by
Ministry of the Environment, Government of Japan (MOEJ)
Office of Sound Material Cycle Society,
Waste Management and Recycling Department

Slide 1 of 1

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Sakai Kikuko Me

Anupam ... (Host)

Akiyo Morita

Tsuyoshi Fujita

Choudhury Rudr...

MOEJ Takayuki SHIGEM...

SDGs leads to Circular Models

Environmental Impact

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

17 PARTNERSHIPS FOR THE GOALS

4 QUALITY EDUCATION

10 REDUCED INEQUALITIES

1 NO POVERTY

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

8 DECENT WORK AND ECONOMIC GROWTH

Social Impact

Economic Impact

10

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Speaking: Fiji MOWE Joshua Wycliffe

Fiji MOWE Joshua Wycliffe

“State of Plastics Waste in Asia and the – Pacific – Issues, Challenges and Circular Economic Opportunities”

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EM ERIA Ayako Mizuno

FP FSM DECEM Patricia Pedrus

GT Gen'ichiro Tsukada

GB Guilberto Borongan

GX Guochang xu

HM Haruna Masuda

HL hein latt

HO Hitoshi OGAWA

IO IGES/CCET Japan Kazunobu Onogawa

IK INDIA DDWS SAMIR KUMAR

Chat

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Prof dr. W.J.V. Vermeulen

Japan UNCRD Utako Wa...

Ganesh Jo... (Host)

Prof dr. W.J.V. Ve...

Karl Vrancken (VL...

Anthony Chiu

Choudhury Rudr...

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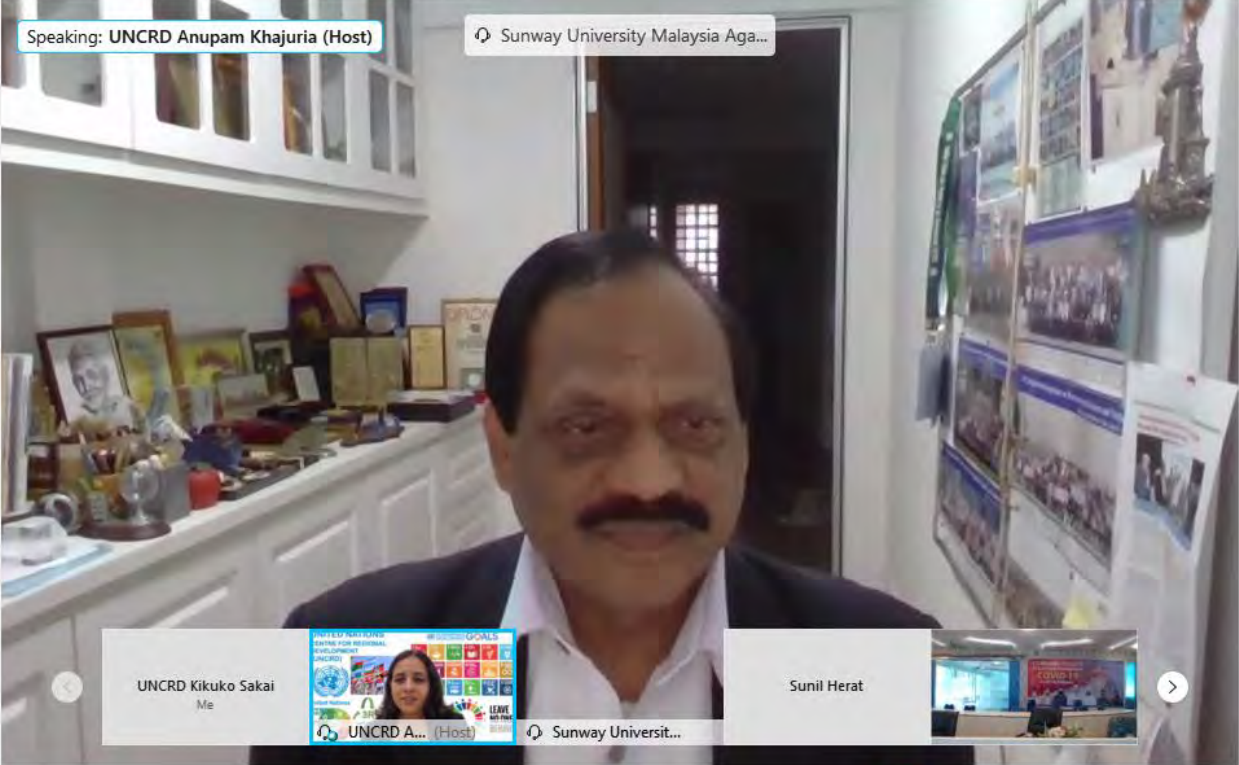
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Speaking: UNCRD Anupam Khajuria (Host)

Sunway University Malaysia Aga...



UNCRD Kikuko Sakai Me

UNCRD A... (Host)

Sunway Universit...

Sunil Herat

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Speaking: Arab Hoballah

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Arab Hoballah

Annie Esau Aung Ming Mao Bangladesh DSCC Badrul Amin

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FP FSM DECEM Patricia Pedrus

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GB Guilberto Borongan

GX Guochang xu

HM Haruna Masuda

HL hein latt

HO Hitoshi OGAWA

IO IGES/CCET Japan Kazunobu Onogawa

IK INDIA DDWS SAMIR KUMAR

IR Indonesia Jakarta Enviro Agency Ra...

Chat

UNCRD Kik... (Me)

UNCRD A... (Host)

UNCRD-DSDG/U...

Fiji MOVE Joshua Wycli...

CHEITIYAPPAN...

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Siddika Sultana

Solomon Huno- AIT RR...

chiyoko mathuura

Chiyoko MATSUURA

Hashim Johan

Kazushige Endo

Naoto Kagehira

MASAHIRO SAITO

Mariyam Samiha

Malaysia Jeffrey sachs Center...

KD Bhardwaj, NPC, India

Kazushige Endo

Japan_MOEJ Yutaka MATSUZ...

Japan, METI, Yamashita Akihito

Japan / Fukuoka City Shinter...

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Faisal Haque

Dr. Sutripta Sarkar

dinesh kumar

yuko sakita

Wassana Jangprajak

Tuti Alawiyah

Shimichi Sakai

Sei Kondo

Russia, EIPC Vladimir M...

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UNCRD Kikuko Sakai Me

UNCRD A... (Host)

Sunil Herat

Kulwant Singh

Pemkot Palembang...

Annie Esau

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Speaking: Sunil Herat

China, BCRC/Tsinghua University Jinhui Li

Amit Jain anbumozhi venkatachalam Annie Esau

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- 5) Business and cities are closely tied to each other for their own success, survival and sustainability. Pursuing circular economy (or 3R and circular economy) as an economic industry can provide multiple benefits for cities and their citizens - (a) entrepreneurship development, new business opportunities and green jobs; (b) quality environment and life through improved and scientific management of various waste streams, and (c) inclusiveness. What are the critical enabling factors to promote circular economy (or 3R and circular economy) as an economic industry? To this regard, what coordinated actions are necessary among the scientific (R & D), government and private/business sector?

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Sakai KikukoMeAnupam... (Host)Tsuyoshi FujitaMOEJ Takayuki SHIGEM...Choudhury Rudr...andrew morlet

Target and Accomplishment of Japanese Eco-towns

Material Flow of Traditional Industrial Parks

Conventional material flow: No-circulation
Virgin materials: largely depends on import
Wastes: Disposal based on provisions of the Waste Disposal and Public Cleaning Law
Recycle materials: Not used
Local material circulation: no use of recycle materials

Symbiotic Material Flow in Eco-towns or Eco-Industrial Parks

Circular material flow of Eco-towns
Virgin materials: part of virgin materials are substituted by recycle materials
Wastes: Disposal based on provisions of the Waste Disposal and Public Cleaning Law
Recycle materials: Use of recycle materials mainly provided from outside the city
Local material circulation: to some extent 2

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Layout

chiyoko mathiuraChiyoko MATSUURAdinesh kumarDr. Sutripta SarkarFaisal Haque

FredericoHashim Johanhein lattJapan / Fukuoka City Shintar...Japan, METI, Yamashita Akihito

MOEJ Yutaka MATSU...Kazushige EndoKD Bhardwaj NPC, IndiaMalaysia / DOE Norina Freder...Malaysia Jeffrey sachs Cx

Mariyam SamhaMASAHIRO SAITONeoto KagehiraNurul Majid Mahmud Huma...PHEE BOON POH PENANG

Philippines QC Joemar CapiliSurjit SinghUNCRD Utako WatanabeUNCRD, Japan Ganesh Raj Jo...Евгения Селутникова

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Layout

Participants in the first grid:

- UNCRD Kikuko Sa... (Me)
- UNCRD Anupa... (Host)
- UNCRD/UN DESA CHO...
- K D Bhardwaj NPC, Gol...
- Michikazu Kojima
- Mushtaq Memon
- Amit Jain
- Christine Ho
- IGES Yasuhiko Hotta
- Japan MOEJ Takayuki S...
- japan teikyo university ...
- Japan, IDEA, Tomohisa ...
- Kazushige Endo
- Kulwant Singh
- Maria from Philippines ...
- Mr Shital Patwa
- Prof. Sadhan K Ghosh
- Shinichi Sakai
- Sunil Herat
- Thierno LY
- Tracey Elo
- tuti alawiyah
- Wassana Jangprajak
- Xavier Sebastian
- (APO) Kentaro Endo

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Participants in the second grid:

- Anupam Kh... (Host...)
- Choudhury Rudra C...
- Tsuyoshi Fujita
- Akiyo Morita
- Helmut Yabar
- Oriana Romano
- Amit Jain
- anbumozhi venkata...
- Anthony Chiu
- Badrul Amin
- Biswajit Banerjee
- Chhea Bunrith
- Cruz Maria
- EIPC CENTER (ΦΓΑΥ ΗΛ...
- Endo Kentaro
- Guochang Xu
- Jason Tan
- Jittin Kapoor
- Karl Vrancken (VITO)
- Kazushige Endo
- Kulwant Singh
- MASAHIRO SAITO
- Mushtaq Memon
- NaingNaing Linn
- Phoe Boon Poh

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Participants in the video conference:

- Russia, EIPC Vladimir M...
- Sei Kondo
- Shinichi Sakai
- Siddika Sultana
- Tuti Alawiyah
- Wassana Jangprajak
- yuko sakita
- JAPAN Tatsuki TANABE MOE
- chiyoko mathuura
- Chiyoko MATSUURA
- dinesh kumar
- Dr. Sutripta Sarkar
- Faical Haque
- Frederico
- Hashim Johan
- hein latt
- Japan / Fukuoka City Shintar...
- Japan, METI, Yamashita Akihito
- Japan_MOEJ Yutaka MATSUZ...
- Kazushige Endo
- KD Bhardwaj, NPC, India
- Malaysia / DOE Norina Freder...
- Malaysia Jeffrey sachs Center...
- Mariyam Samha
- MASAHIRO SAITO

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Participants in the video conference:

- Wassana Jangprajak
- Xavier Sebastian
- (APO) Kentaro Endo
- Bangladesh DSCC Badrul Am...
- Canissa Lim
- Chiyoko MATSUURA
- DESA OAH WEBEXS
- hein latt
- Hitoshi OGAWA
- Indonesia Setda Kota Palemb...
- I TATSUKI TANABE MOEJ
- japan teikyo university kohei ...
- Ken Okubo
- Ma Bella Guinto
- Naing Naing Linn
- NakamuraJapan Fukuoka City
- Pemkot Palembang
- Philippines QC EPWMD Joe...
- Prabhat Verma
- Russia, EIPC Vladimir Maryev
- Siddika Sultana
- Singapore NEA Tan Zhongsh...
- Tracey Elo
- UNCRD Utako Watanabe
- UNCRD, Japan Ganesh Raj Jo...

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Questions for Panel Discussion (Webinar III)

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Slide 1 of 1

Speaking: Indonesia Jakarta Enviro Agency Rahmawati

Participants (109)

Search

- AV Anbumozhi Venkatachalam
- AI Anjan Ray INDIA
- AO Anna Oposa
- AA Apoorva Agrawal
- AM Aung Ming Mao
- BA Bangladesh DSCC Badrul Amin

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Speaking: UNCRD/UN DESA MOHANTY CHOUDHU...

Layout

UNCRD Kikuko Sa... (Me)

UNCRD Anupa... (Host)

Cambodia MOWRAM ...

UNCRD/UN DESA MO...

Japan MOE/ Yutaka M...

Amit Jain

Anthony Chiu

Christine Ho

DESA OAH WEBEXS

dinesh kumar

India, IRGSSA, Apoorva ...

Janet Salem

Japan IDEA, Tomohisa ...

Japan MOE/ Takayuki S...

Japan MOE/ Yasuki YA...

japan teikyo university ...

Japan/JWRF KAJIHARA

Kota Palembang palem...

Kulwant Singh

Naing Naing Linn

Prof. Sadhan Kumar Gh...

Russia, EIPC Vladimir M...

Sei Kondo

Shinichi Sakai

Siddika Sultana

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Sakai Kikuko

Anupam ... (Host)

Biswajit Banerjee

Valentin Foltescu

Choudhury Rudr...

Rene Van Berkel

Viewing Anupam Khajuria's ...

Questions for Panel Discussion (Webinar 1)

- 1) What are the prospects of 3R and circular economy in key development sectors of Asia (urban development such as buildings, infrastructure, construction, manufacturing and industries, transport, energy, etc.? To what extent the role of eco-towns is clearly understood in the context of advancing circular economy?
- 2) What are the defining features of the eco-towns that bring win-win benefits in achieving both circular economy and SDGs?
- 3) What critical lessons do City of Osaka and Kitakyushu offer towards advancement of circular economy? How can they be replicated in other parts of Asia? What are the challenges? How can developing cities overcome those challenges?
- 4) What are the key enabling policy, institutional, financial and technological interventions that the governments should consider in greening the industries towards resource efficiency and circular economy?
- 5) What are the enabling policy, governance, financial, institutional and technological considerations for countries to accelerate circular economic utilization of agriculture and biomass waste? In the face of growing concerns on climate change, what potential co-benefits (air quality and GHG emission reduction) biomass and agricultural waste sector offer to Asia-Pacific countries?

Participants

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Layout

Bangladesh DSCC Badrul Am...

Carissa Lim

Chen LIU

Chiyoiko MATSUURA

DESA OAH WEBEX5

hein latt

Hitoshi OGAWA

Indonesia Setda Kota Palemb...

JAPAN TATSUKI TANABE MOEI

japan teikyo university kohei ...

Ken Okubo

Ma Bella Guinto

Maria from Philippines Cruz

Naing Naing Linn

NakamuraJapan Fukuoi

Pemkot Palembang

Philippines QC EPWMD Joem...

Prabhat Verma

Russia, EIPC Vladimir Maryev

Siddika Sultana

Singapore NEA Tan Zhongsh...

Tracey Elo

UNCRD Utako Watanabe

UNCRD, Japan Ganesh Raj Jo...

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UNCRD Anupam Khajuria (Host)

CENTRE FOR REGIONAL DEVELOPMENT (UNCRD)

United Nations

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Viewing UNCRD Anupam K...

Speaking: EMF Carsten Wachholz

EMF Carsten Wachholz

Participants (111)

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AV Anbumozhi Venkatachalam

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AO Anna Oposa

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AM Aung Ming Mao

BA Bangladesh DSCC Badrul Amin

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Slide 1 of 1



Choudhury Rudra Charan MOH...

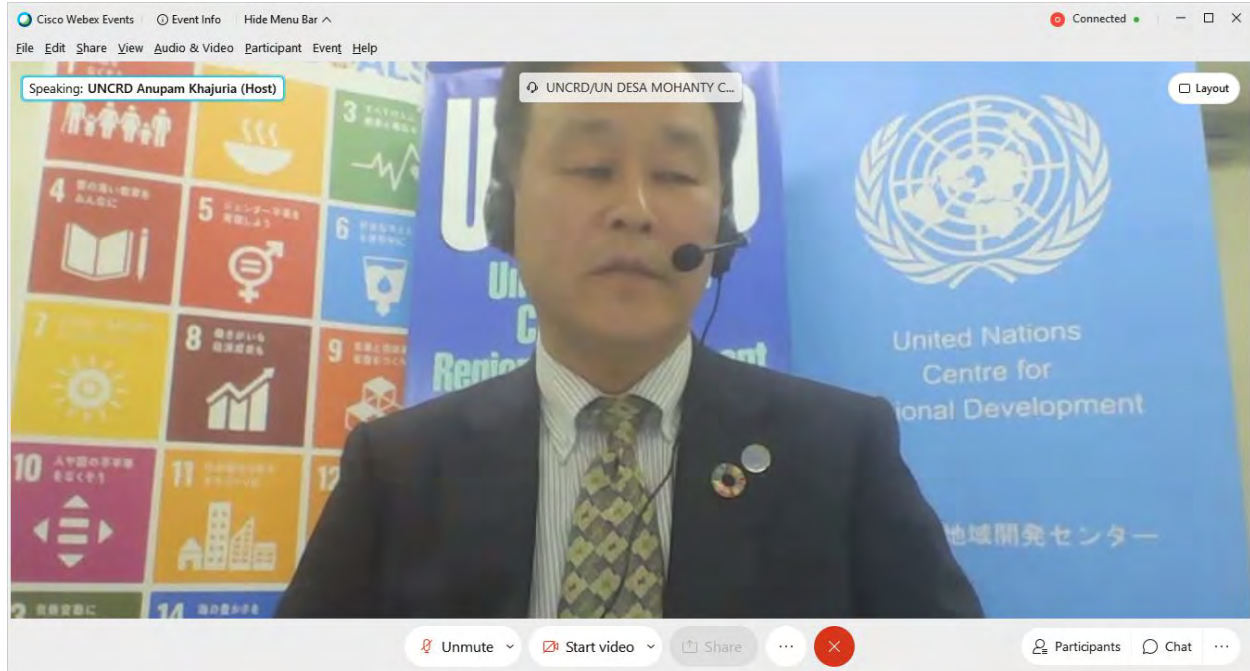
Participants (67)

Panelist: 64

- KS Kikuko Sakai Me
- GJ Ganesh Joshi Host
- AJ Amit Jain
- AV Andrea Villaroman
- AC Andresito Cabalar
- AR Anjan Ray
- AC Anthony Chiu
- AK Atsushi Koresawa
- AM Ayako Mizuno
- CB Chhea Bunrith (Cambodia)

Q&A

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Q/A

1. Prof Visu. In the push for CE some developed countries are actually generating more waste to keep the circle going. Please comment

Thank you for your presentation, Dr.Singh. What are incentives to engage and participate with the Local government? Do we need to set the Key performance indicator (KPI) for this matter?

Speaking: CHETTIYAPPAN VISVANAT

Layout

CHETTIYAPPAN VISVANAT

UNCRD Kikuko Sakai

UNCRD Anu... (Host)

Masashi Yamamoto

Sunil Herat

China, BCRC/Tsing...

CHETTIYAPPAN VIS...

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Speaking: Anna Oposa

Participants (111)

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AI Anjan Ray INDIA

AO Anna Oposa

AA Apoorva Agrawal

AM Aung Ming Mao

BA Bangladesh DSCC Badrul Amin

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Anthony Chiu

DE LA SALLE UNIVERSITY MANILA

THE FUTURE BEGINS HERE.

Participants (38)

Search

SS Shinichi Sakai

SN Shintaro Nakamura

SP shital patwa

TS Tatiana Smirnova (EIPC_Russia)

TK Thahirah Kamarulzaman

TM THIYOKO MATHUURA

TA Tuti Alawiyah

Voice conference Maryev

YY YASUKI YAMAMOTO

Attendee: 4 (0 displayed)

View all attendees...

Q&A

mubarak junus Muhammad Azim Ram Bhaskar Rosalie Miclat Ryutaro MICHIGAMI

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Slide 1 of 1

Speaking: INDIA DDWS SAMIR KUMAR

Participants (113)

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AV Anbumozhi Venkatachalam

AI Anjan Ray INDIA

AO Anna Oposa

AA Apoorva Agrawal

AM Aung Ming Mao

BA Bangladesh DSCC Badrul Amin

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Speaking: K D Bhardwaj NPC, Gol, India Layout




K D Bhardwaj NPC, Gol, India




UNCRD Kikuko Sakai



UNCRD ... (Host)



UNCRD/UN D...



K D Bhardwaj ...

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Q/A

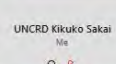
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Thank you for your presentation, Dr.Singh. What are incentives to engage and participate with the Local government? Do we need to set the Key performance indicator (KPI) for this matter?


Speaking: Layout




Sunil Herat




UNCRD Kikuko Sakai



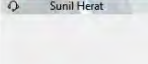
UNCRD Anu... (Host)



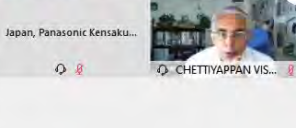
Masashi Yamamoto



Japan, Panasonic Kensaku...



Sunil Herat



CHETTYAPPAN VIS...

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Viewing 2nd State of 3R... ^

Speaking: Michikazu Kojima Layout



Michikazu Kojima

Questions for Discussions

1. The overall outline of 2nd State of 3R & CE in Asia-Pacific relevant in the context of evaluating the implementation of Hanoi 3R Declaration (2013-2023)?

2. Were any important aspect which is currently missing from the outline or you would like to bring up?

3. Could the report establish clear linkages with the SDGs by making use of relevant Tier 1, Tier 2 and Tier 3 indicators while addressing circular economy for various waste streams such as -plastics, e-waste, chemical and hazardous waste, construction and demolition waste (including disaster waste), agriculture biomass waste, food waste?

4. Could the report include a "Way Forward" section to look beyond 2023 on the need for a successor of the Hanoi 3R Declaration, i.e., a new 3R and Circular Economy Declaration (2024-2030) with goals aligned with the SDGs?

5. How could we establish collaborative arrangements with other relevant institutions for their inputs to the 2nd State of 3R & CE in Asia-Pacific?

Participants (54)

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KO Ken Okubo

KS Kulwant Singh

MG Ma Bella Guinto

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Kikuko Sakai Me Japan UNCRD Anupam Khajuria Wassana Jangprajak Prof dr. W.J.V. Veer Karl Vrancken (Vl...)

Thailand Roadmap on Plastic Waste Management 2018 - 2030

Viewing PPT-Thailand-C... management



Participants (104)

Search

Panelist: 98

KS Kikuko Sakai Me

JK Japan UNCRD Anupam Khajuria Host

WJ Wassana Jangprajak

BM Bawani Murugasan

CM Choudhury Rudr...

AH Akiko Hiraoka

AJ Amit Jain

AV Anbumozhi Venkatachalam

AC Andresito Cabalar

AC Andrew Charles

Q&A

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Speaking: Mushtaq Memon, UNCRD/UN DESA CHOUD...

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Questions for Discussions



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Mushtaq Memon

Participants (54)

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KS Kulwant Singh

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Viewing UNCRD Anupam K...

Speaking: Japan Tokyo Univ. Agric. Technol. Hideshige ...

Questions for Panel Discussion (Webinar III)

- 1) How can cities and countries enhance their contribution towards achieving SDG 14 (life below water) through 3R and circular economy approach in plastics waste?
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Participants (115)

Search

AV Anbumozhi Venkatachalam

AV Andrea Villaroman

AI Anjan Ray INDIA

AO Anna Oposa

AA Apoorva Agrawal

AM Aung Ming Mao

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Sakai Kikuko

Anupam ... (Host)

Tsuyoshi Fujita

Choudhury Rudr...

Rene Van Berkel

Helmut Yabar

Viewing Anupam Khajuria's ...

Thank you for your participation!

Welcome to join us on our upcoming Series of Webinars on

WEBINAR II on 1 December 2020

WEBINAR III on 8 December 2020

WEBINAR IV on 14 December 2020

WEBINAR V on 17 December 2020

WEBINAR VI on 22 December 2020

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Viewing 2nd State of 3R... ▾

Speaking: Cambodia MOWRAM Bunrith, UNCRD/UN D... Layout



Cambodia MOWRAM Bunrith

Questions for Discussions

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K D Bhardwaj NPC, GoI, India Kazushige Endo

Ken Okubo Kulwant Singh


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Viewing UNCRD Anupam K...

Speaking: EMF Carsten Wachholz



EMF Carsten Wachholz

Questions for Panel Discussion (Webinar III)

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Participants (115)

Search

- AV Anbumozhi Venkatachalam
- AV Andrea Villaroman
- AI Anjan Ray INDIA
- AO Anna Oposa
- AA Apoorva Agrawal
- AM Aung Ming Mao

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Karl Vrancken (VITO)

Participants (106)

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JW Japan UNCRD Utako Watanabe

JT Jason Tan

JK jittin kapoor

JC joemar capili

JH Juan Hernandez

KN Kana NAKAMURA

KV Karl Vrancken (VITO)

KO Kentaro ENDO, Asian Productivity Or...

KI Kiyoshi ISHIZU

KS Kulwant Singh

KY Kumiko YASUDA_MOEJ

Q&A

Kikuko Sakai Me

Japan UN... (Host)

Prof dr.W.J.V. Ve...

Curt Garrigan

Karl Vrancken (V...

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Speaking: Japan_MOEJ Yutaka MATSUZAWA

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Viewing UNCRD Anupam K...

and self-fund to obtain sustainable financing for capital projects that reduce and prevent emissions and scale up actions beyond the existing network.

Lessons learned from COVID-19 pandemic situation towards building resilient cities (complementing SDG 11)- What can 3R and circular economy offer at local, national and regional level? (Webinar II)

15 COVID-19 pandemic has posed many challenges for the future sustainability of waste management services of cities. The emergence of COVID-19 has challenged socio-economic systems, public health, and the environment. On the environmental aspects, the disease has impacted waste management systems from increasing municipal and biomedical wastes. The pandemic has highlighted the vulnerabilities of current waste management systems and infrastructures to fluctuations in waste generation resulting in more wastes disposed of in landfills, accumulation of hazardous wastes, and improper waste disposal. Waste generation amid COVID-19: mostly discarded PPEs and disposable plastics, has been an environmental

Japan_MOEJ Yutaka MATSUZAWA

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Viewing 2nd State of 3R... ^

Speaking: Amit Jain, Kulwant Singh Layout



Amit Jain

Questions for Discussions



1. What is the overall outline of 2nd State of 3R & CE in Asia-Pacific relevant in the context of evaluating the implementation of Hanoi 3R Declaration (2013-2023)?
2. Are there any important aspect which is currently missing from the outline or you would like to bring up?
3. Should the report establish clear linkages with the SDGs by making use of relevant Tier 1, Tier 2 and Tier 3 indicators while addressing circular economy for various waste streams such as -plastics, e-waste, chemical and hazardous waste, construction and demolition waste (including disaster waste), agriculture biomass waste, food waste?
4. Should the report include a "Way Forward" section to look beyond 2023 on the need for a successor of the Hanoi 3R Declaration, i.e., a new 3R and Circular Economy Declaration (2024-2030) with goals aligned with the SDGs?
5. How could we establish collaborative arrangements with other relevant institutions for their inputs to the 2nd State of 3R & CE in Asia-Pacific?

UNCRD Kikuko Sakai

Me

UNCRD... (Host)

Amit Jain


UNCRD/UN D...

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Viewing Kulwant Singh's scr... Speaking: Kulwant Singh Layout



Kulwant Singh

UNCRD Kikuko Sakai

Me

UNCRD Anu... (Host)


Blair Charley

Sunil Herat

CHETTIYAPPAN VIS...

Kulwant Singh

Urban Policy Levers for Circular Economy Transitions



There are five urban policy levers for circular economy transitions that include – vision, engagement, economic incentives, regulation and good urban management.

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Kikuko Sakai Me Japan UN... Heinz Schandl Christine He Karl Vrancken (Vl...)

Viewing Ganesh Joshi's ...

Questions for Panel Discussion (Webinar II)

- 1) The cities and municipalities might experience reduction in their waste management services due to the new normal behaviors and the fear of COVID-19 infection has posed many challenges for the future sustainability of waste management services of cities. How can cities and municipalities build-back-better the entire waste management system aftermath of COVID-19? What should be the defining features of municipal waste management system and services keeping in mind emergence of such pandemics in future as well as the mitigation of such virus spreading?
- 2) How can cities and countries institute or devise better 3R and circular economy policies, programs and institutions to strengthen resilience of cities to fight or withstand against such health emergencies, including pandemics like COVID-19? What critical lessons does COVID-19 pandemic offer us in this regard?
- 3) How can countries and cities effectively integrate public health considerations into 3R and circular economy policy, planning, including infrastructure development, to minimize the health impact of such pandemics in future?
- 4) Technological advancements in 3R and circular economy areas may mitigate the fears of infection in waste management service and industry. How could we foster such technological advancements at local and national level through regional (international) cooperation?
- 5) How can countries and cities make the socio-economic system redesign sustainable and resilient through transition to circular economy post-COVID-19 based on the 3 transitions concept introduced by Japan?

Participants (114)

Search

- NL Naing Naing Linn
- N Namba(EO/PNG)
- NK Naoto Kagehira
- NS Norina Frederick Sambang
- DS Omar Siddique
- PB Peter Börkey
- PM Prasad Modak
- PA priyankari alexander
- PV Prof dr. W.J.V. Vermeulen
- RS Ram Bhaskar

Q&A

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UNCRD An... (I Host)

Russia, EIPC Vladimir Ma...

Евгения Семутни...

Shinichi Sakai

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Kulwant Singh

dinesh kumar

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TR tejaswini rana

TS Thailand PCD Wanich Sawayo

TK Tomohisa Kume

UU UNCRD Nana Urakami

UW UNCRD Utako Watanabe

UJ UNCRD, Japan Ganesh Raj Joshi

UC UNCRD-DSDG/UN DESA MO...

UF UNESCAP Stefanos Fotiou

V Vangie

WJ Wassana Jangprajak

XS Xavier Sebastian

UNCRD Kik... (Me)

UNCRD A... (Host)

Japan Mitsubishi ...

Karl Vrancken (VL...)

CHETTIVAPPAN ...

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Sakai Kikuko

Anupam ... (Host)

Choudhury Rudr...

andrew morlet

Rene Van Berkel

Akiyo Morita

CIRCULAR ECONOMY = a systems solution framework

By design ..

1. Eliminate waste and pollution
2. Keep products and materials in use
3. Regenerate natural systems

- Based on renewables
- A more resilient, distributed, diverse and inclusive economic model

ELLEN MACARTHUR FOUNDATION

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Speaking: Japan/JWRF KAJIHARA

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International Partnerships on 3R and Circular Economy in Asia and the Pacific - Adobe Acrobat Standard DC

Home Tools International Partnerships on 3R and Circular Economy in Asia and the Pacific - Adobe Acrobat Standard DC

Types of International Partnership on 3R → CE

- National Government driven
- Local Government driven
- Business driven
- Others

- Policy Development
- System Development
- Standardization
- Project on the ground
- Information Sharing/Matching: Success & Failure cases
- Others

UNCRD Kikuko Sakai

Japan/JWRF KAJIHARA

UNCRD Anupam K...

Prof. Sadhan K Ghosh

Sunil Herat

China, BCRC/Tsing...

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Viewing Prof. Sadhan K Ghosh

Speaking: Prof. Sadhan K Ghosh

Layout

Major area of support from Government and TrC, 3rCE and SDG 2030 Implementation

Status of CE implementation in the countries

Country	Matured CE driven society	Progressive CE driven society	Initiated CE driven society	Not initiated	Legislation Supporting CE
Australia		*			Y
Afghanistan				*	No
Bhutan			*		No
Brazil			*		No
Canada		*			Y
People's Republic of China		*			Y
Denmark	*				Y
Europe	*				Y
Georgia			*		No
Germany	*				Y
Lao PDR				*	No
India		*			Y
Israel				*	No
Japan	*				No
Kenya				*	No
Malaysia			*		Y
Mauritius			*		No
Mexico			*		No
Morocco				*	No
Nigeria				*	No
Norway	*				Y
Philippines			*		No
Russian Federation			*		No
Slovenia		*			Y
Rep. of Korea	*				Y
Serbia		*			Y
Tanzania			*		No
Thailand		*			Y
Tunisia			*		No
Turkey		*			Y
UK	*				Y
USA		*			Y
Vietnam			*		No

Source: CE: Global Perspective, Springer, Ghosh, S. K., 2020

Reg. 38&CE forum_14.12.2020

Sustainable Waste Management towards Circular Economy

December 02 – 07, 2020

Kolkata, India

Water (SWIRMAN)

International Society for Sustainable Development, Jadavpur University, India

Principal Organisers

Sponsors

Organising Partners

Prof. Sadhan K Ghosh

UNCRD Kikuko Sakai

UNCRD Anupam K...

Prof. Sadhan K Ghosh

Sunil Herat

Roshan Wolusmal

CHETTIYAPPAN VISVANATH

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Viewing 2nd State of 3R... ▾

Regional 3R & Circular Economy Forum in Asia and the Pacific

The infographic details the 3R Forum's history:

- 2009:** 1st 3R Forum in Japan.
- 2010:** 2nd 3R Forum in Malaysia.
- 2011:** 3rd 3R Forum in Singapore.
- 2013:** 4th 3R Forum in Vietnam.
- 2014:** 5th 3R Forum in Indonesia.
- 2015:** 6th 3R Forum in the Maldives.
- 2016:** 7th 3R Forum in South Australia.
- 2018:** 8th 3R Forum in India.

 Key events include the Singapore Recommendations (2011), Ha Noi 3R Declaration (2013-2023), Surabaya 3R Declaration, Male 3R Declaration, Adelaide 3R Declaration on Circular Economy, and the 10th Series of 6 Webinars (2020). The forum is backed by 3RINC, IwasWMI, IPLA, and an SDG partnership with G-STIC, ICWMT, and the Global Leadership Programme on CE (Australia, etc.).

Speaking: UNCRD/UN DESA CHOUDHURY MOHANTY

UNCRD/UN DESA CHOUDHURY MOHANTY

Participants: UNCRD Kikuko Sakai, UNCRD An... (Host), K D Bhardwaj NPC, Gol, I..., Shinichi Sakai, Prof. Sadhan K G..., IGES Yasuhiko Ho..., Japan MOEI Taka...

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Viewing IGES/CCET Japan ... ▾

Strategies to Reduce Marine Plastic Pollution from Land-based Sources in Low and Middle-Income Countries

https://www.ccet.jp/publications/2020/03/20200320_01.pdf

(Free to download)

IGES CCET

IGES Institute for Global Environmental Strategies CCET IGES Centre Collaborating with UNDP on Environmental Technologies

Speaking: IGES/CCET Japan Kazunobu Onogawa

Participants (118)

Search

- SS surjit singh
- TJ Takayuki SHIGEMATSU MOE Japan
- TM Tanya Marin
- TR tejashwi rana
- TS Thailand PCD Wanich Sawayo
- TK Tomohisa Kume

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Евгения Семутникова

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Speaking: UNCRD/UN DESA CHOUDHURY MOHANTY



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UNCRD An... (Host)

UNCRD/UN DESA...

Shinichi Sakai

Prof. Sadhan K G...

IGES Yasuhiko Ho...

Japan MOEJ Taka...

K D Bhardwaj NPC, Gol, I...

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Speaking: Roshan Wolusmal

Speaking: Roshan Wolusmal



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Japan, Panasonic Kensaku Ishib...

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Chat

from UNCRD Anupam Khajuria to everyone: 1:25 PM
Webinar IV: Role of triangular cooperation (government-scientific & research organization-private sector) in advancing 3R and circular economy in Asia-Pacific (session on IPLA – a SDG partnership)
from UNCRD Anupam Khajuria to everyone: 1:28 PM
There are 2 delegates registered with us. Kindly ask another delegate to join from another laptop
from UNCRD Anupam Khajuria to everyone: 1:56 PM
The participants who didn't change their display name. Please identify your: COUNTRY NAME + MINISTRY/ORGANIZATION NAME + FULL NAME in chat box
from UNCRD Anupam Khajuria to everyone: 2:09 PM
Kindly switch off your mic
from Siddika Sultana to everyone: 2:18 PM
Siddika Sultana, representing Environment and Social Development Organization, from Bangladesh
from UNCRD Kikuko Sakai to FSM-DECEM Patricia Pedrus (privately): 2:24 PM
Kaselehi, Patti-san
from FSM-DECEM Patricia Pedrus (privately): 2:26 PM
Hello Kikuko-sa

To: FSM-DECEM Patricia Pedrus

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Speaking: UNCRD/UN DESA MOHANTY CHOUDHU... ambodian -MOWRAM Bunnith

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from UNCRD Anupam Khajuria to everyone: 1:24 PM
Welcome to this 10th Regional 3R and Circular Economy forum in Asia and the Pacific (Series of Webinars), on Advancing Circular Economy in Asia-Pacific towards the SDGs under COVID-19 Pandemic.
from UNCRD Anupam Khajuria to everyone: 1:25 PM
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Kindly switch off your mic
from Siddika Sultana to everyone: 2:18 PM
Siddika Sultana, representing Environment and Social Development Organization, from Bangladesh

To: Host

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Speaking: yuko sakita

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3R The Tenth Asia and the Pacific 3R Citizens Forum

We have shared good examples of how the activities of NGOs promoting the 3Rs can be established as a social business while creating a mechanism for resource circulation and energy circulation in the community. When considering the establishment of a circular economy, we've focused on the fact that NGO activities can become economic activities in the form of social businesses by utilizing collaboration with local stakeholders, and we will like to continue to share the experience and knowledge of these acting NGOs through this network.

In this current COVID-19 situation, it is difficult to have hands-on activities and dialogues at the activity site, but we would like to increase the opportunities for NGOs in respective countries to share activity cases through platforms such as this forum.

In this forum, we confirmed that the resource recycling activities of NGOs, which citizens participate in, can contribute not only to environmental problems but also to various social issues highlighted in the SDG objectives in the areas where we live.

Participants (66)

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from UNCRD Anupam Khajuria to everyone: 1:18 PM
Welcome to this 10th Regional 3R and Circular Economy forum in Asia and the Pacific

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Q&A

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Speaking: Michikazu Kojima

10th Regional 3R and Circular Economy Forum in Asia and the Pacific
Webinar III: 3R and circular economy as the basis for moving towards zero plastic waste in coastal and marine environment

Plastic Waste Management In Asia and the Pacific – Issues, Solutions and Case Studies

Michikazu Kojima
Research Fellow
Economic Research Institute for ASEAN and East Asia

Chief Senior Researcher
Institute of Developing Economies, JETRO

Participants (119)

Search

Gen'ichiro Tsukada

Guochang xu

hein latt

Hitoshi OGAWA

IGES/CCET Japan Kazunobu ...

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PEW TRUST

'Breaking the Plastic Wave' in numbers

FAST FACTS

Scale of the problem

- 11 million** metric tons of plastic released into the ocean in 2015
- 29 million** metric tons of plastic released into the ocean in 2040
- 40%** of today's global plastic waste ends up in the environment
- 7%** reduction of leakage if all current governments and industry commitments were implemented by 2040
- 500,000** people need to be connected every day until 2040 to close the collection gap
- 11%** of leakage is mismanaged in 2015

By 2040:

- 2x** plastic generation
- 3x** plastic leakage into the ocean
- 4x** plastic waste in the ocean
- US\$100B** investment to reach US\$100B in 2040
- 45%** of today's leakage is from four areas, where collection economics don't work
- 21%** of today's leakage is from four areas, where collection economics don't work
- 19%** share of plastic waste in 2040 is plastic leakage by 2040
- 80%** share of leakage from faster and multiple plastics in 2040

The System Change Scenario reduces 80% of plastic pollution by 2040 through the immediate implementation of eight complementary system interventions across the plastic value chain

REDUCE MARINE SOURCES
All of marine plastic pollution is reduced and stopped

REDUCE WASTE EXPORTS
All of marine plastic pollution is reduced and stopped

DEVELOP PLASTIC-TO-PLASTIC CONVERSION
Reduce plastic waste by 10 million metric tons per year by 2040

DOUBLE MECHANICAL RECYCLING
Reduce plastic waste by 10 million metric tons per year by 2040

SCALE UP COLLECTION
Reduce plastic waste by 10 million metric tons per year by 2040

REDUCE MICROPLASTIC LEAKAGE
Reduce plastic waste by 10 million metric tons per year by 2040

DESIGN
Reduce plastic waste by 10 million metric tons per year by 2040

SUBSTITUTE
Reduce plastic waste by 10 million metric tons per year by 2040

Integrated system change achieves social, environmental, and economic benefits

- 80%** reduction in plastic leakage into the ocean by 2040 relative to BAU
- US\$70B** saving for governments over 2040 relative to BAU
- 700,000** jobs created by 2040 relative to BAU
- 25%** reduction in average plastic demand by 2040 relative to BAU
- 55%** reduction in single plastic demand by 2040 relative to BAU
- 195 million** metric tons of plastic waste avoided by 2040 relative to BAU

8/12/2020

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NL Naing Naing Linn

NK Naoto Kagehira

NH Nurul Majid Mahmud Humayun

PW PCD - Wassana

PP PHEE BOON POH PENANG

PV Prabhat Verma

PG Prof. Sadhan Kumar Ghosh

RM Russia, EIPC Vladimir Maryev

SS Shinichi Sakai

SJ Singapore - NEA Tan Zhongsheng Ja...

Q&A

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K D Bhardwaj NPC, Gol...

Amit Jain

Michikazu Kojima

Mushtaq Memon

Bangladesh DSCC Badr...

Christine Ho

IGES Yasuhiko Hotta

Japan MOEJ Sub

Japan MOEJ Takayuki S...

Japan, IDEA, Tomohisa ...

Kazushige Endo

Kulwant Singh

Mr Shital Patwa

Prof. Sadhan K Ghosh

Shinichi Sakai

Sunil Herat

Wassana Jangprajak

Xavier Sebastian

(APO) Kentaro Endo

Carissa Lim

Chen LIU

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from UNCRD Anupam Khajuria to everyone: 2:09 PM
Kindly switch off your mic

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Siddika Sultana, representing Environment and Social Development Organization, from Bangladesh

To: Host

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IGES Yasuhiko Hotta

UNCRD Kikuko Sakai

Me

Background and Scope of 2nd State of 3R

17th December 2020

Shinichi Sakai

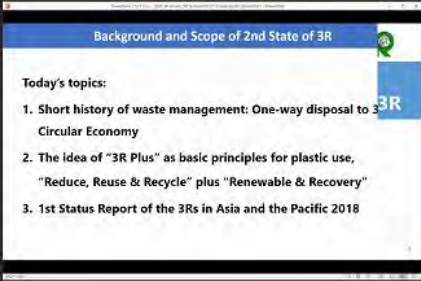
Kyoto University

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Speaking: Shinichi Sakai, UNCRD Anupam Khajuria (Host) Layout



Background and Scope of 2nd State of 3R

Today's topics:

1. Short history of waste management: One-way disposal to Circular Economy
2. The idea of "3R Plus" as basic principles for plastic use, "Reduce, Reuse & Recycle" plus "Renewable & Recovery"
3. 1st Status Report of the 3Rs in Asia and the Pacific 2018

Shinichi Sakai

UNCRD Kikuko Sakai Me

UNCRD Anupam Khajuria (Host)

Shinichi Sakai

Japan MOEJ Yasuki YAMAMOTO

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UNCRD Anupam Khajuria (Host) Sustainable Development Goals > Q&A ×



UNITED NATIONS FOR REGIONAL DEVELOPMENT

Sustainable Development Goals

DESA OAH WEBEXES

Kota Palembang ...

Japan MOEJ Yutaka MATSUDA

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Wassana Jangprajak

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GB Gilberto Borongan

HL hein latt

HS Heinz Schandl

HJ Hendro Johannes

HO Hitoshi OGAWA

JS Janet Salem

JK Japan UNCRD Anupam Khaju...

JU Japan UNCRD Nana Urakami

JY Japan UNCRD Taeko Yokota

JW Japan UNCRD Utako Watanabe

Q&A

Kikuko Sakai Me

Ganesh Jo... (Host)

Wassana Jangpra...

Choudhury Rudr...

Karl Vrancken (Vi...

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UNCRD/UN DESA MOHANTY C...

Q&A

DESA OAH WEBEXS

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Speaking: □ Layout

1 of 1

10th Regional 3R and Circular Economy Forum in Asia and the Pacific (Series of Webinars)
WEBINAR V: 17 December 2020
(Japan Time: 14:30-17:00 PM)

Scope and coverage of 2nd State of 3R and Circular Economy in Asia and the Pacific

Please select "Side-by-Side" view
For best viewing experience

Use the chat box for any comments or questions

For security purposes and to complete List of Participants, we would like to request to all participants, to write in chat box:

COUNTRY NAME + MINISTRY / ORGANIZATION NAME + FULL NAME

This event will be recorded

Side-by-Side View

UNCRD Kikuko Sakai

Mushtaq Memon

UNCRD Anupa... (Host)

Prof. Sadhan K. Ghosh

Mushtaq Memon

Sunil Herat

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UNCRD Kikuko Sakai (Me)

UNCRD A... (Host)

Fiji MOWE Joshua Wycliffe

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UNSCAP Stefanos Foti...

UNCRD-DSDG/U...

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