WRF 2017 Workshops (WS)


WS 2. Sustainable Sourcing of Construction Materials by Concrete Sustainability Council (CSC).


WS 4. Strategic Raw Materials and Sustainable Development by ESM Foundation, EIT Raw Materials and UNECE.

WS 5. Digital for Sustainability: In Need of a Disruptive Research Agenda by Innaxis Research Institute, Tekielka AG and Circular Change.


WS 9. Rural Urban Nexus: Governance for Sustainable Land Use through City Region Food Strategies by German Federal Environment Agency (UBA) and Ecologic Institute.

WS 10. ODS Banks Management: Challenges and Opportunities for Collection, Recycling and Destruction of ODS and e-waste Containing ODS by Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH.


WS 13. Resource Efficient Production of Rare-Earth Magnets – the EU Project REPROMAG by OBE Ohmmacht & Baumpartner GmbH & Co. KG and Steinbeis 21 GmbH on behalf of all REPROMAG consortium partners.


WS 16. How to Transition from Linear to Circular by the Collaborating Centre on Sustainable Consumption and Production (CSCP), The Carbon Trust and Business Models Inc. – Consortium partners of the EU Horizon 2020 Project - REPT.
Key Messages by Workshop Organisers

We thank the organisers and everybody involved for the great collaboration!
WS 1: The e-waste Challenge

- Benefits and initiatives of multi-stakeholder networks (StEP)
- Priorities of German development coperation and UNIDO for increased e-waste engagement
- Upgrading efforts can be strengthened by link to secondary materials standards
- Legal frameworks and e-waste policy processes in Ghana and Colombia
- Experiences and models for partnerships between the informal and formal e-waste recycling sector in India

- E-waste will be smaller, but more ubiquitous in 2052, remanufacturing will get more important
- Authorities need to take first step for attributing financial and operational responsibilities, EPR is important
- Necessary to provide incentives to informal sector, promising approaches under development
Key Messages
THE GAME OF ENTREPRENEURSHIP IN A CIRCULAR ECONOMY (WS 3)

- Entrepreneurship = managing limited resources
- Circular business strategies: long-term benefits, upfront investments
- It all starts with a circular product design
Key Messages Workshop 4: Strategic Raw Materials and Sustainable Development Goals

• Sustainable development is fundamentally linked to the access to critical raw materials. Potential bottlenecks must be considered along the entire supply chain, addressing raw materials, semi-finished as well as finished products. Mitigation measures to ensure sustainable future supply have to be taken today.

• It is crucial to define objectives on how to competently and responsibly manage raw materials. Secondary raw materials sourcing will become increasingly important, but mining will still be needed, requiring innovative approaches to tackle aspects of social responsibility and ecological impact.

• Reliable data and effective policy interventions can only be developed in a defined framework and require improved collaboration of all involved actors in a more transparent system approach.

There is interest to further develop the interlinked topic on SDGs, critical raw materials and classification. If you want to join this dialogue: info@esmfoundation.org
24th October 2017
Geneva - Switzerland

WORKSHOP
Digital for Sustainability
Putting Disruption at Work for Humanity

Key Messages
MEDEAS is an open source, community based suit of models: World, Europe, Austria and Bulgaria

(available online from February 2018)

- MEDEAS scenarios as a framework for guiding the transition to a low carbon economy.
  - Renewable energy sources limits: a key issue to be analyzed

Follow us at: www.medeas.eu
WS 7: Green Product Certification in India

Key messages

Ecolabels and Certification schemes have the ability the scale up sustainable solutions. We heard international testimonies about that and got to know about new tools released e.g. from UN Environment on Product Sustainability Information and the ISO Guidance Principles. An emerging initiative in India, ‘GreenProd’, led by CII-India and supported by UNIDO, aims in future at benchmarking industrial products following a lifecycle approach and sustainability and traceability requirements.

Chair: Suresh KENNIT GNANASWAMY, UNIDO

When: Tuesday 24, 16h30 – 18h30

Room: 23
Key outcomes of the workshop:

• Combine the existing networks
• Harmonized data platforms
• Organize better dedicated networking events
• Extend stakeholder reach to producers of products
• Incentivize stakeholder involvement by learning their capacity needs
• Keep the networks/databases alive after the end of the project.
Conclusions WS9

Governance for Sustainable Land Use through City Region Food Strategies

• Need for more **integrated policies** (sectoral integration as well as cooperation between urban and rural administrations)

• **Food as potential entry point** to tackle multiple problems of land use and sustainability, suitable for multi-stakeholder dialogues incl. citizens
WS 10: ODS banks management
Challenges and opportunities for collection, recycling and destruction of ODS and e-waste containing ODS

1. Legislation and enforcement as key success factors
2. Sustainability of ODS banks management for international support
3. Lifecycle approach and circular economy
How to unlock credible metrics for circular business models

1. Pay attention to past failures
2. Find simple, human-centric indicators that drive decision making
3. Extend relevancy
WS12 – Market Systems Development & Environmental Management in Developing Countries

Take away messages:
Achieving economic AND environmental benefits works!

Change requires innovation and the right regulatory framework.

There are trade-offs, you can’t win everywhere. You need mitigation plans to deal with negative impacts (social, economic, environmental).
• Explained criticality or Rare Earth Magnets on electromobility, wind energy and other high tech applications

• Showed potential ways into a circular economoy by recycling Rare Earth from WEEE

• Discussed the views of the stakeholders (manufacturers, end-users, recyclers)
Open Access Data and Modeling Platforms

- Key to making open access data and models effective is involving many stakeholders to exert pressure on policy makers and investors.

- The demand for open data drives mutually beneficial collaboration amongst the data and modeling research community.

- There are specific challenges around raising resources to maintain open data projects but there are clear overall benefits for society.
WS 15: Limestone calcined clay cement ($\text{LC}^3$) - Potential for Resource Efficiency in Construction Sector

- The $\text{LC}^3$ technology is on a very sound footing based for calcined clay-limestone combination.
- For technology commercialization we need to look at access to resources and not only at availability of resources.
- Focus on increase the knowledge of industry and users thereby increasing visibility
- Should put on a price for carbon emissions for industries

EPFL, Switzerland and Development Alternatives, India
25 October 2017
How to Transition from Linear to Circular

Build Relationships  Facilitate Dialogues  Accelerate Transition
THANK YOU!