



23. November 2023

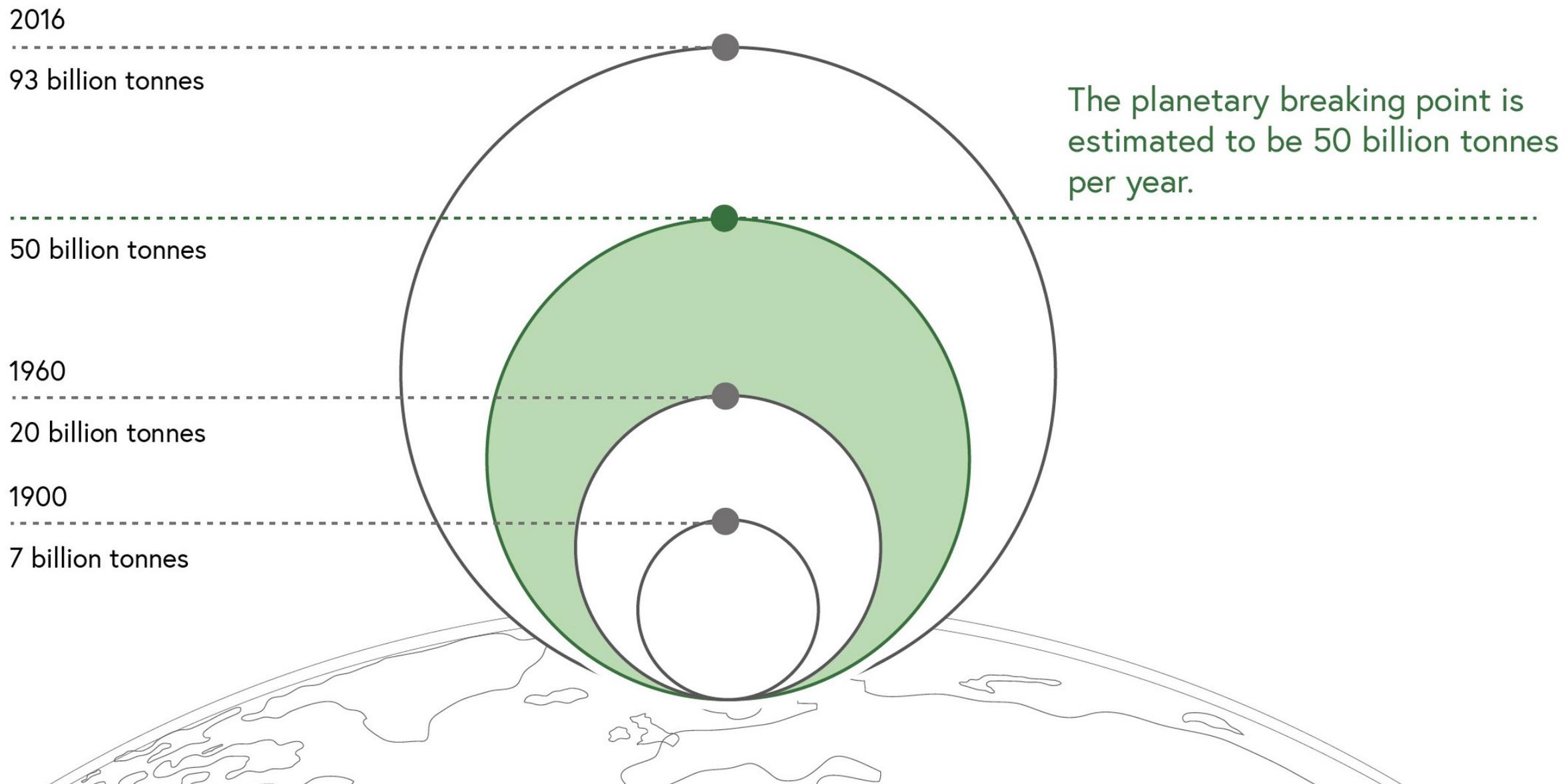
Vortragender: Hon.-Prof. (FH) DI Dr. Arne M. Ragossnig, MSc. (OU)

COP28 und EU Green Deal als Handlungsrahmen des Klimaschutzes durch Kreislaufwirtschaft

Inhalt

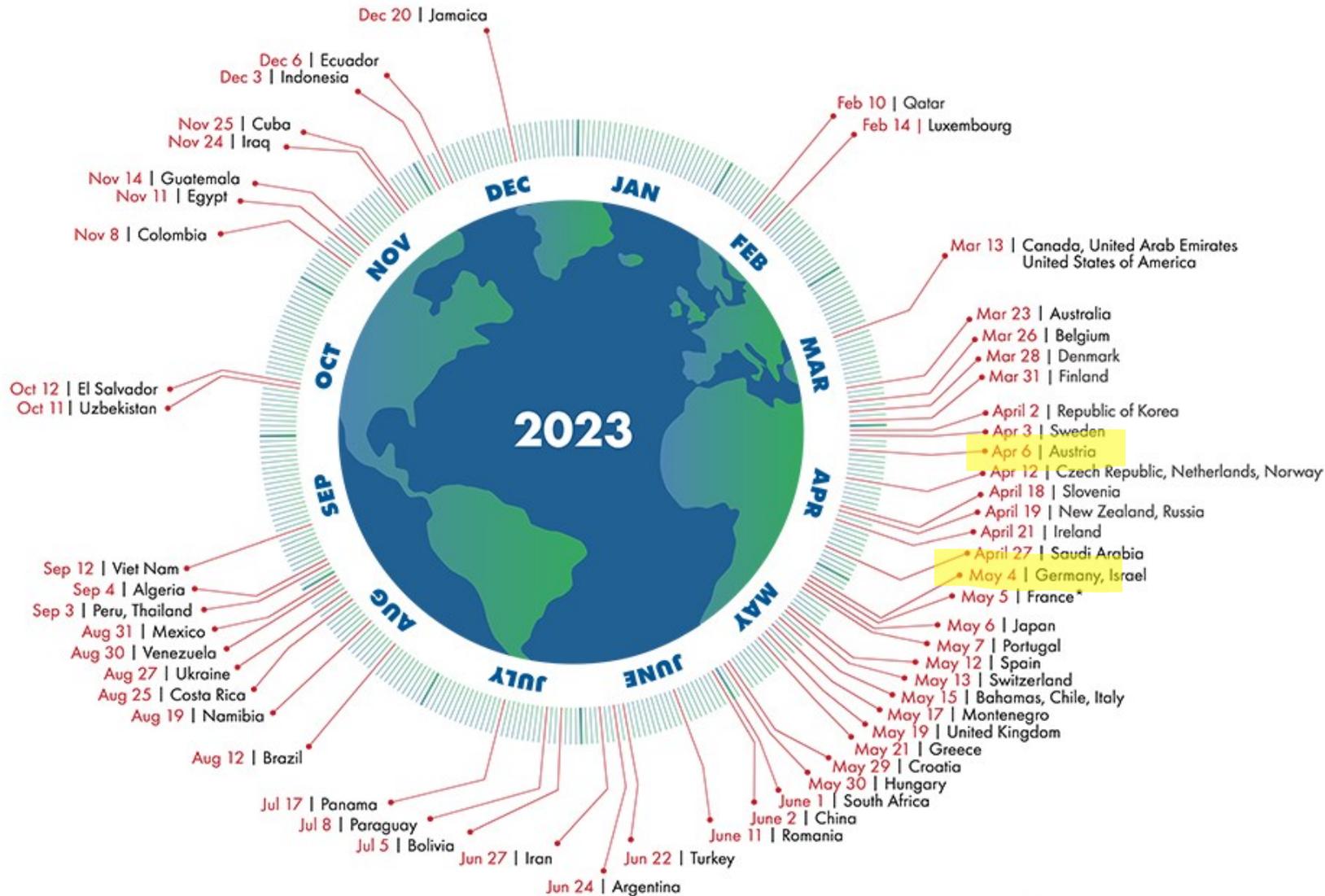
- **Planetare Belastungsgrenzen**
- **Kreislaufwirtschaft**
- **Rolle der Abfallwirtschaft in der Kreislaufwirtschaft – Unterschiedliche Schwerpunkte je nach Entwicklungsstand**
- **Zusammenfassung / Ausblick**

Entwicklung des weltweiten Material-Fußabdrucks



Country Overshoot Days 2023

When would Earth Overshoot Day land if the world's population lived like...



For a full list of countries, visit overshootday.org/country-overshoot-days.

*French Overshoot Day based on nowcasted data. See overshootday.org/france.

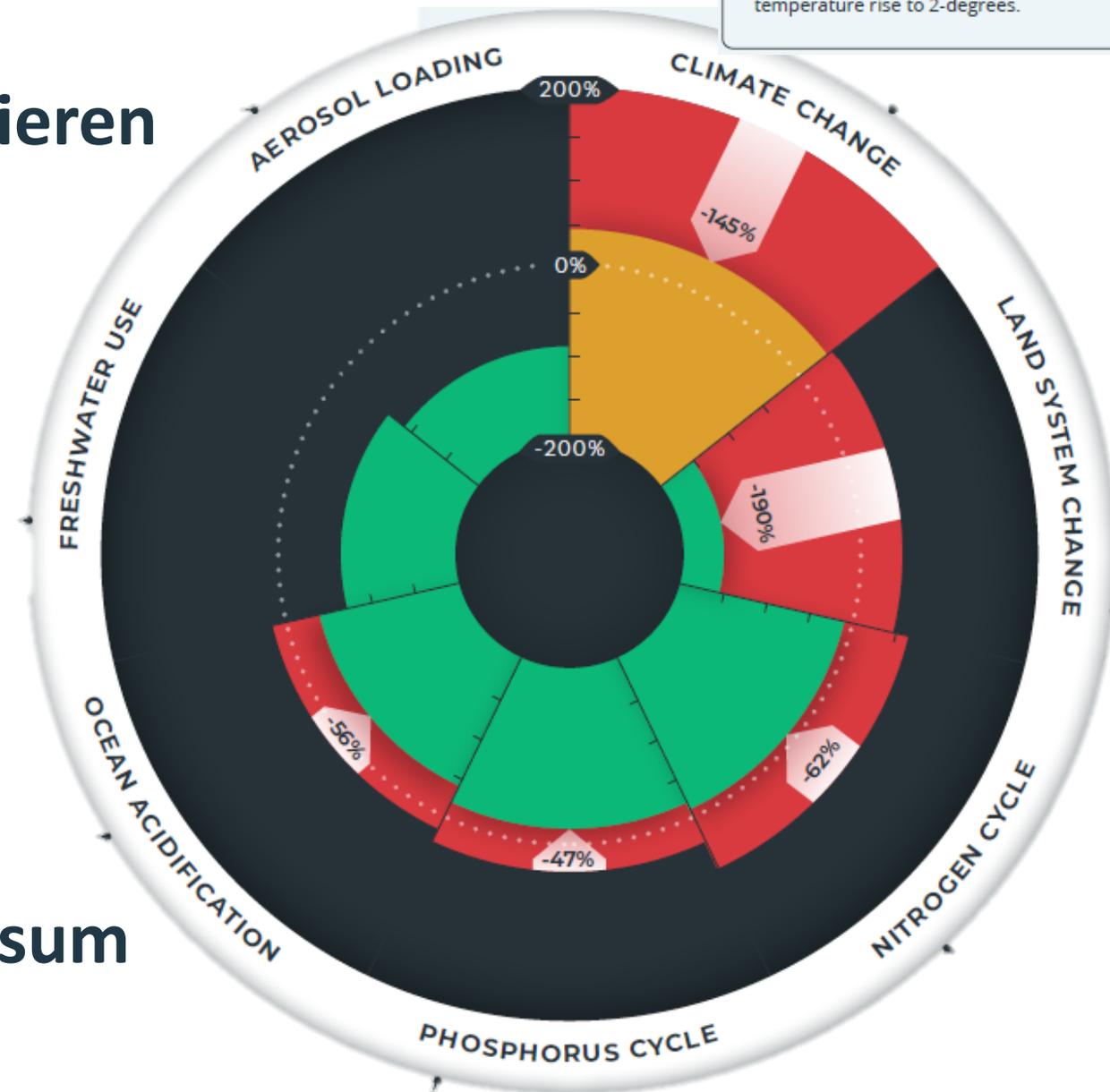
Source: National Footprint and Biocapacity Accounts, 2022 Edition
data.footprintnetwork.org



Global Footprint Network
 Advancing the Science of Sustainability

Kreislaufwirtschaft als Klimaschutzmaßnahme

- Kreislauffähige Lösungen reduzieren planetare Überbelastung
- Auswirkung von nur 16 transformierenden Kreislaufwirtschaftslösungen in folgenden 4 Kernsystemen
 - Lebensmittel
 - Gebaute Infrastruktur
 - Produzierte Güter und Konsum
 - Mobilität und Transport



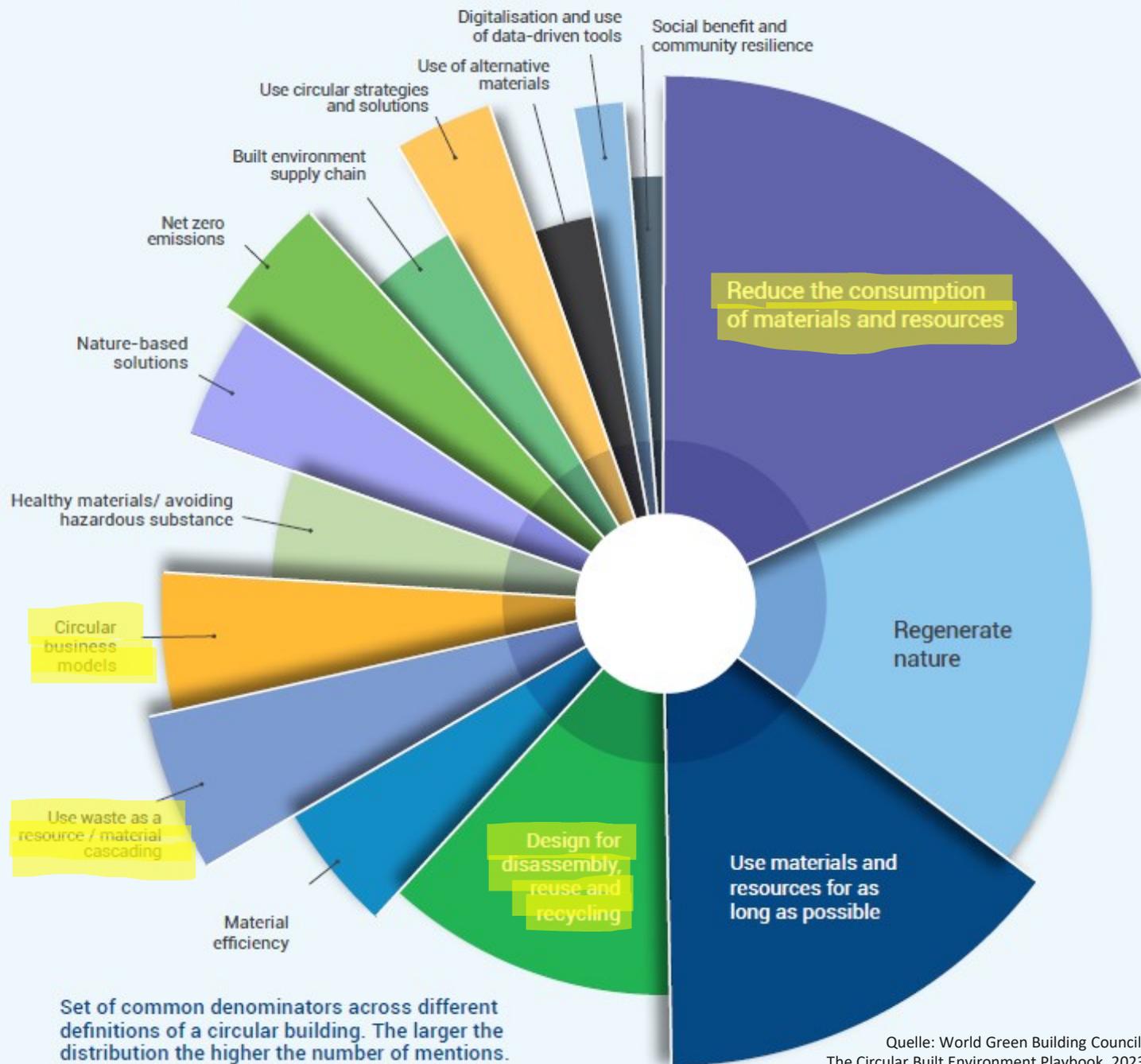
Kreislaufwirtschaft in aller Munde

- **Erhöhte Aufmerksamkeit für Kreislaufwirtschaft und Abfallsektor durch z.B. EU Green Deal**
- **Konsequenz**
 - **Renaissance des Sekundärrohstoffs, aber haben wir den richtigen Rechtsrahmen?**
 - **Viele glauben mitreden zu können, aber wissen sie was sie sagen und tun?**
 - **Jene, die wirklich etwas zu sagen haben, müssen (noch) lauter sprechen um Gehör zu finden.**

Was heisst Kreislaufwirtschaft?

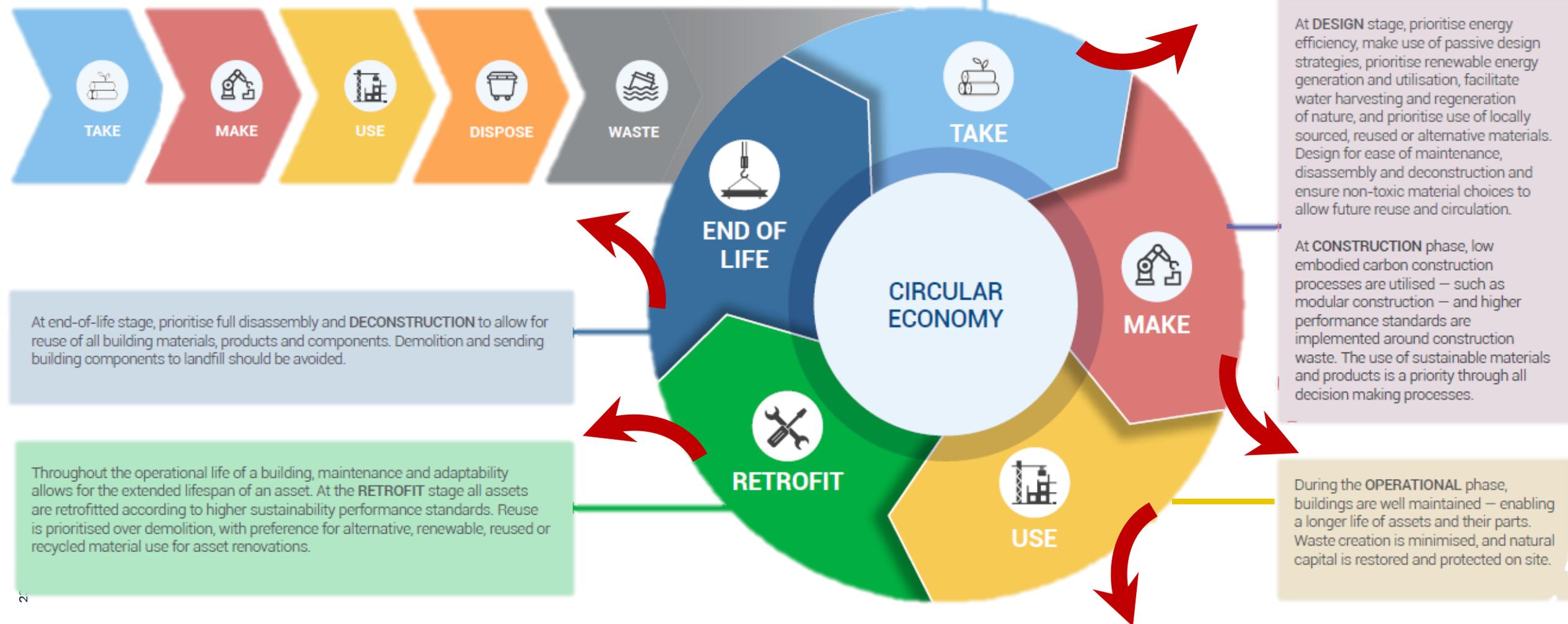
- Nicht alle sprechen vom Gleichen!
- Unterschiedliche Motivationen spielen eine Rolle!

Analysis of Circular Economy Definitions

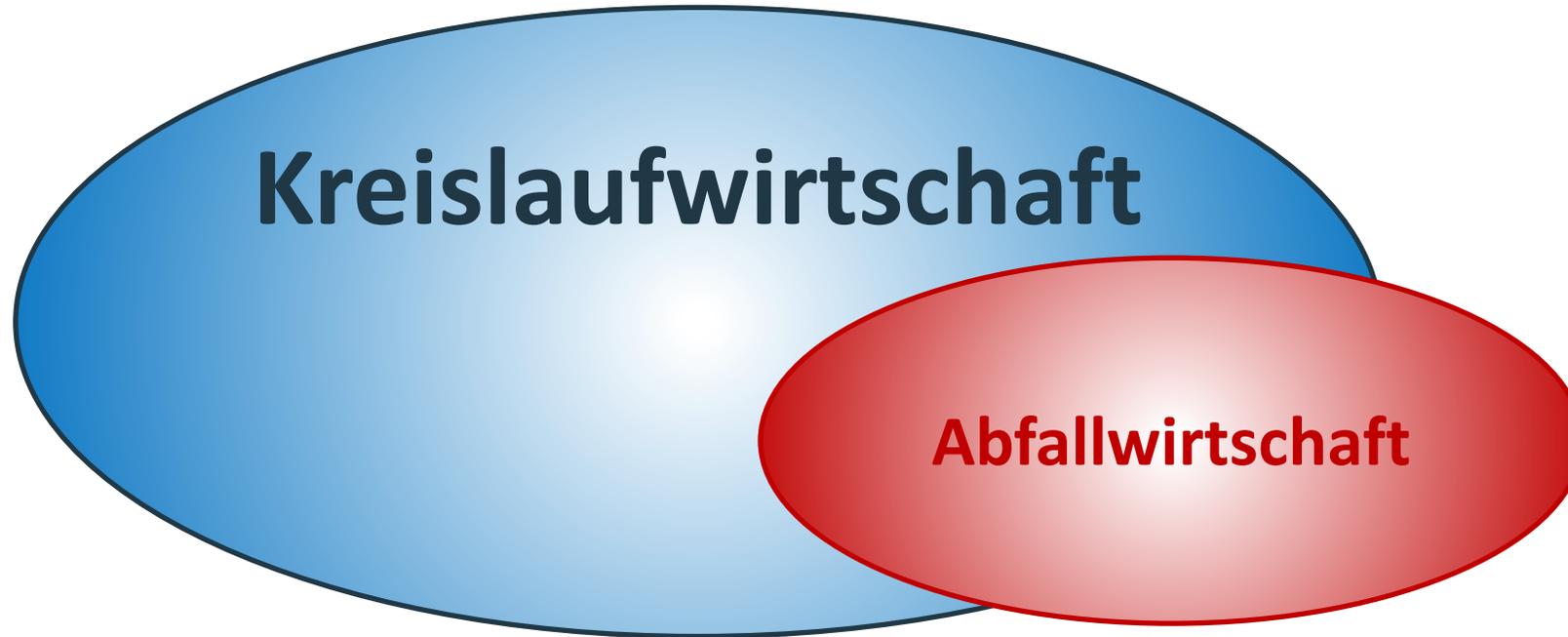


Kreislaufwirtschaft ... es braucht auch SENKEN!!!

➤ Ohne Senken keine Kreislaufwirtschaft



Keine Kreislaufwirtschaft ohne ordentliche Abfallwirtschaft

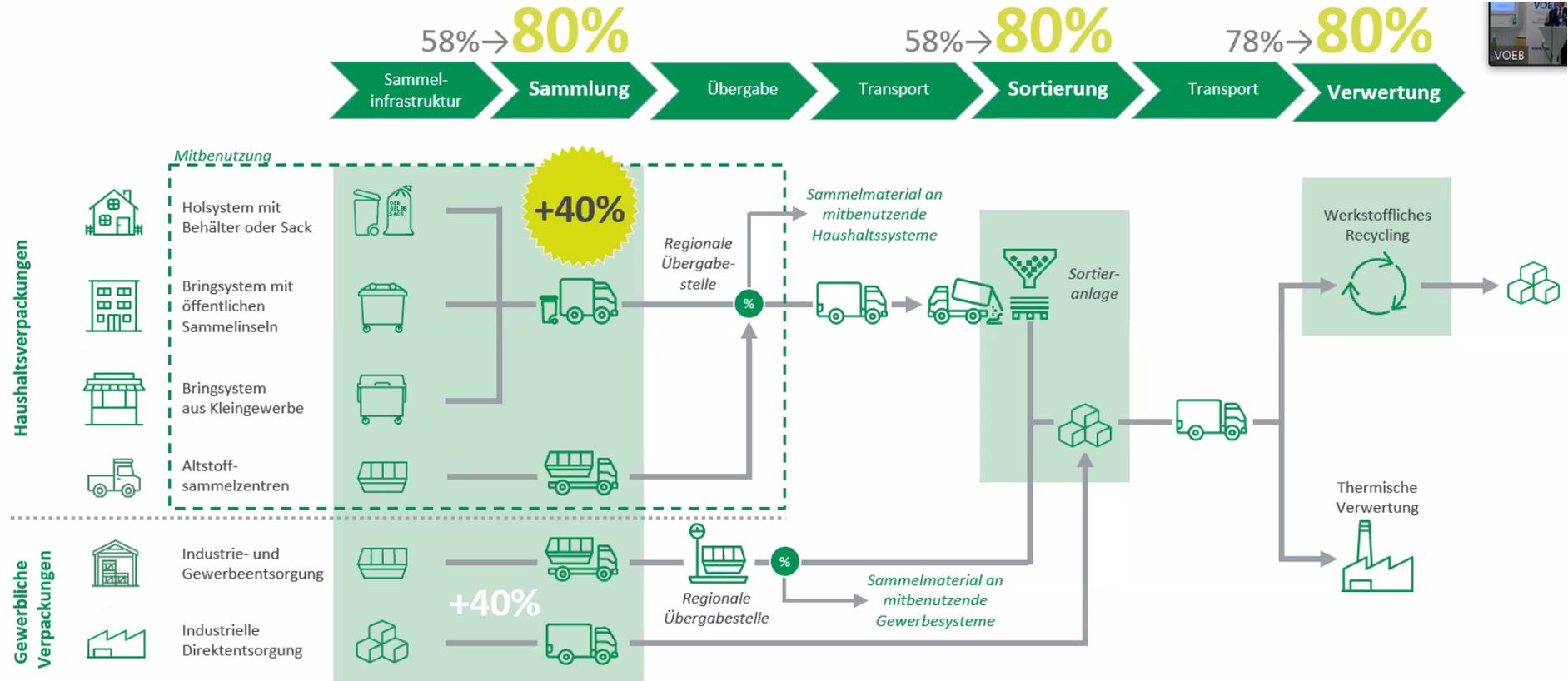


Es braucht die Abfallwirtschaft

- um Sekundärmaterialien verfügbar zu machen und
- zur Sicherstellung sauberer Kreisläufe!!!

Sekundärmaterialien verfügbar machen ...

... fängt beim Sammeln an!



Was nicht gesammelt wurde steht als Sekundärrohstoff nicht zur Verfügung!

Saubere Kreisläufe sicherstellen ...

... neben Ressourcenaspekt gibt es auch andere Umweltaspekte

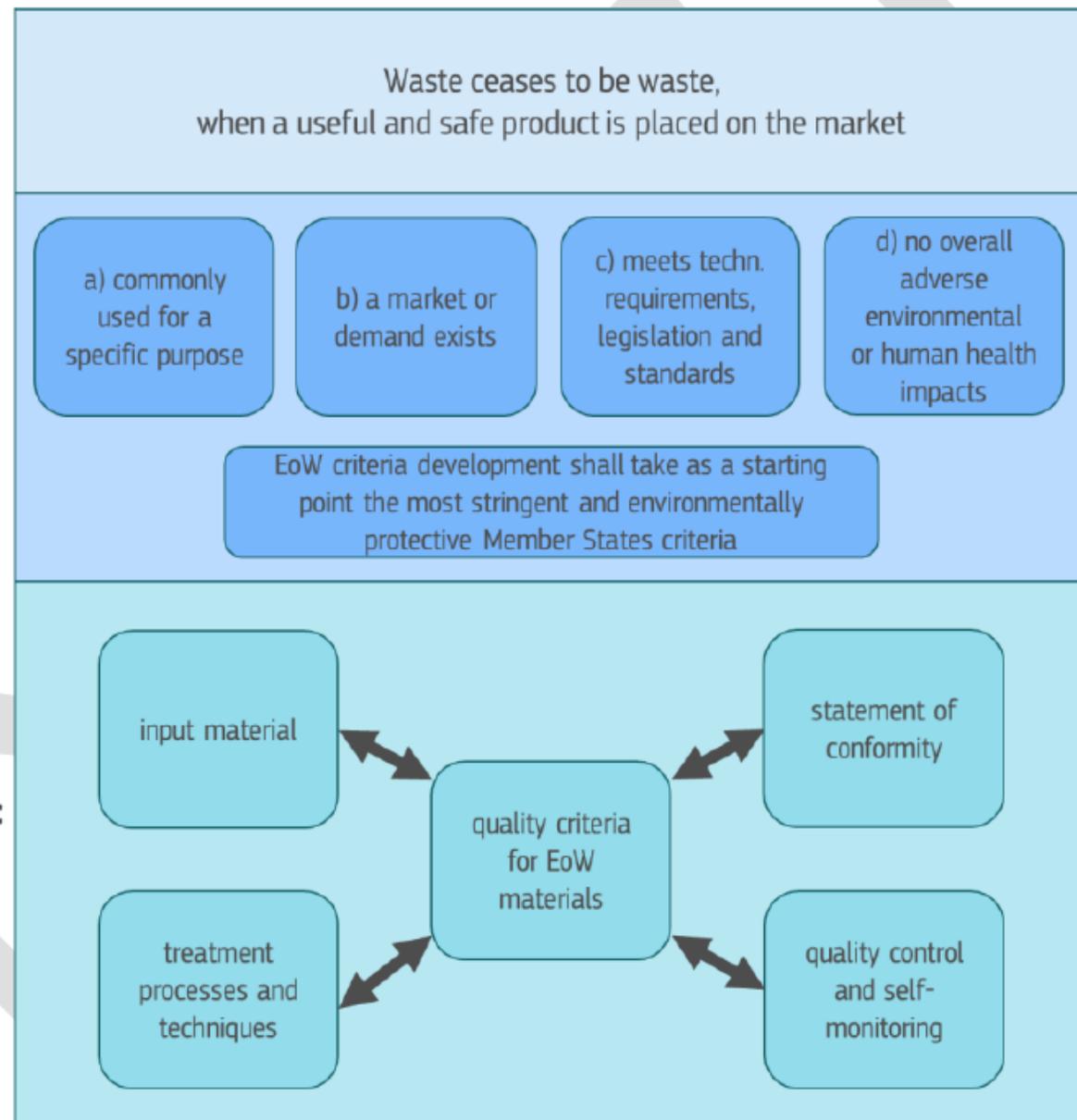
... (praktikable) end-of-waste Kriterien helfen Sekundärrohstoffmärkte zu entwickeln!

... vorzeitiges Abfallende macht einen Unterschied!

EoW principle

The framework conditions

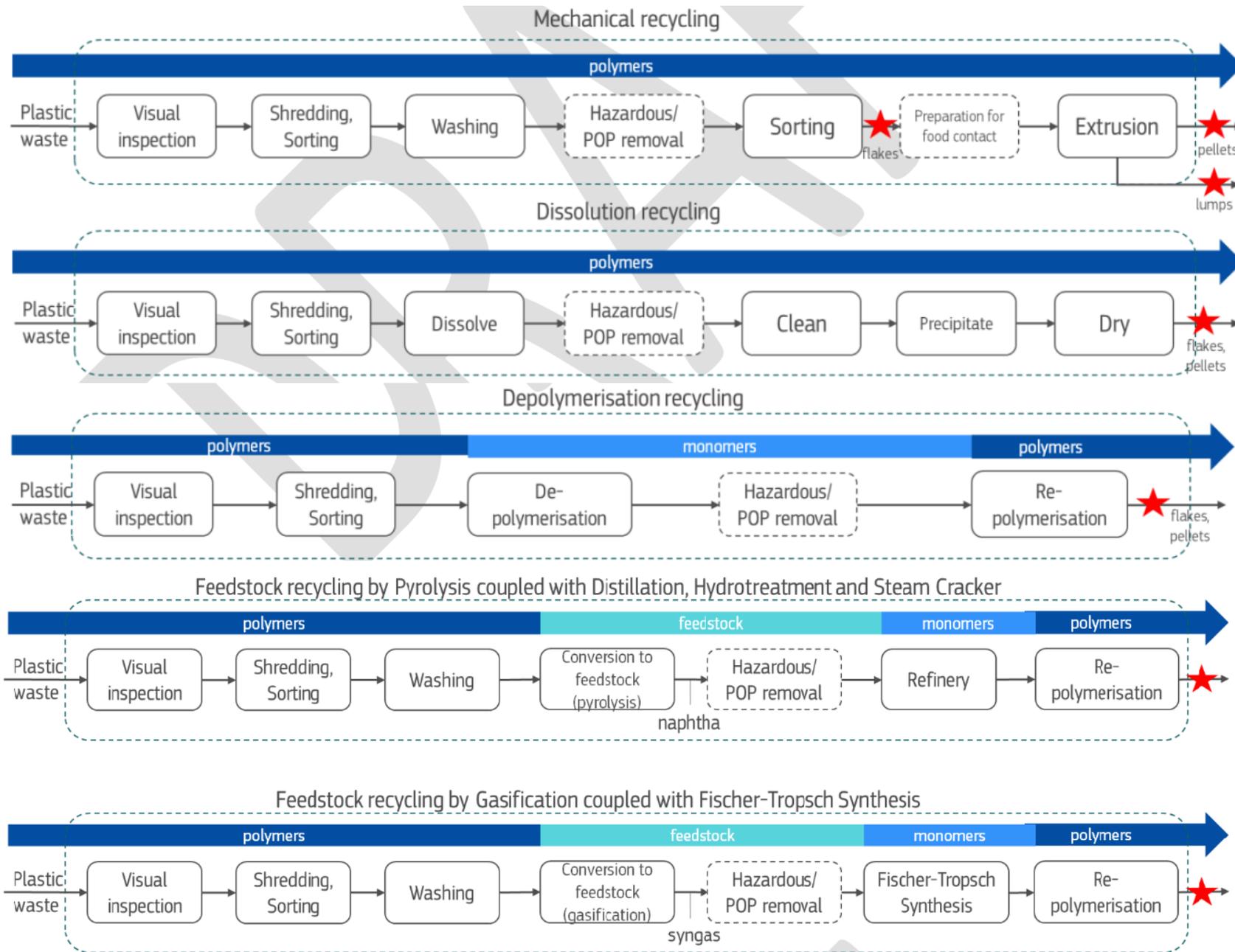
Set of specific criteria for each stream



End of Waste Kriterien

... können zur Stoffstromlenkung dienen

... verschieben sich Märkte?



★ Proposal for point of end-of-waste for plastic waste

COP28 – Waste & Resource Pavilion – ISWA at COP



Waste and Resources Pavilion Programme (subject to change)



30-Nov Opening Day	
10:00 - 12:00	High-level Opening Ceremony
14:00 - 15:00	The role of sound waste management towards a net zero future
15:30 - 16:30	Meet the Hosts: a fireside chat with the partners of the Waste & Resource Pavilion
01-Dec World Climate Action Summit	
09:30 - 10:00	Welcome
10:00 - 11:00	The significant link between Waste and Resource Management to tackle Climate Change
11:30 - 13:00	Achieving 80% landfill diversion in the Abu Dhabi Emirate by 2028, strategy and international use cases
15:00 - 16:30	WASTE MAP LAUNCH: Methane emissions tracking, satellite actionable data
02-Dec World Climate Action Summit	
10:00 - 11:30	Closing the loop, pathway to the Circular economy
14:00 - 15:30	Waste management in strategies to local solutions
17:15 - 18:30	Subnational leadership
03-Dec Health / Relief, Recovery and Resilience	
09:00 - 10:30	International regulatory framework for waste management
11:00 - 12:30	Open burning of waste in unregulated waste processing facilities
14:00 - 15:30	MENA Region and Africa
16:00 - 17:30	Integrated Waste Management
04-Dec Finance / Trade / Gender Equality	
09:00 - 10:30	Long-term financing for waste management
11:00 - 12:30	Gender parity in the waste sector
14:00 - 15:30	Financing waste management
16:00 - 17:30	Voluntary carbon markets
18:00 - 19:30	Introduction of the Voluntary Carbon Market
05-Dec Energy and Industry / Just Transition	
09:00 - 10:30	Latin America in Climate Action
10:45 - 11:45	Social entrepreneurship
12:00 - 14:00	Green energy from waste
14:30 - 16:00	Environmental Justice and sustainable implementation
17:00 - 18:30	Opportunities from waste
06-Dec Multilevel Action, Urbanization and Resilience	
09:15 - 12:00	Low carbon cities emissions reduction - The perspective from - Challenges and success - Filling the data gap
13:00 - 14:30	From policy to action, implementation
15:15 - 16:45	No event on the Pavilion- COP Presidency event in WCAS Theatre
07-Dec Rest Day	
08-Dec Youth, Children, Education and Skills	
09:30 - 10:30	Youth Delegates Round Table on Circular Economy tackling Global Warming
11:00 - 12:30	Zero Waste, from awareness to action: How to reduce the volume of waste in an environment of constantly increasing consumption
14:00 - 16:00	Innovation & technology in the waste management industry
16:30 - 17:30	No time to waste: the role of the waste sector in achieving the Global South Methane mitigation
09-Dec Nature, Land Use, and Oceans	
09:00 - 10:30	Accelerating the SDGs through sound waste and resource management
11:00 - 12:00	Nature-based solutions for climate adaptation: Can organic cycles make a difference?
14:30 - 16:00	Circularity as a key solution to biodiversity loss and climate change
16:30 - 17:30	Marine pollution from plastics, an internationally binding treaty by 2024
10-Dec Food, Agriculture and Water	
09:30 - 11:00	Mitigating climate change and improving public health through zero waste strategies
11:30 - 12:30	Food Banking impact on Methane Mitigation: Food prevention, recovery and distribution opportunities
14:00 - 15:30	Cross-sectoral cooperation on waste, water and resource management to tackle climate disruption
16:00 - 17:30	Delegates Round Table on the climate nexus of food loss and waste & Launch of the Food waste index Report
11-Dec Final Negotiations	
11:00 - 12:30	Digital enablers for sustainable waste management
14:00 - 15:30	Methane credits: the way forward?
16:00 - 17:00	Closing Dumpsites: fulfilling a basic human right to tackle GHG emissions
12-Dec Final Negotiations	
09:30 - 12:30	COP28 Waste and Resources Pavilion - Debriefing session
14:00 - 16:00	Pavilion Closure



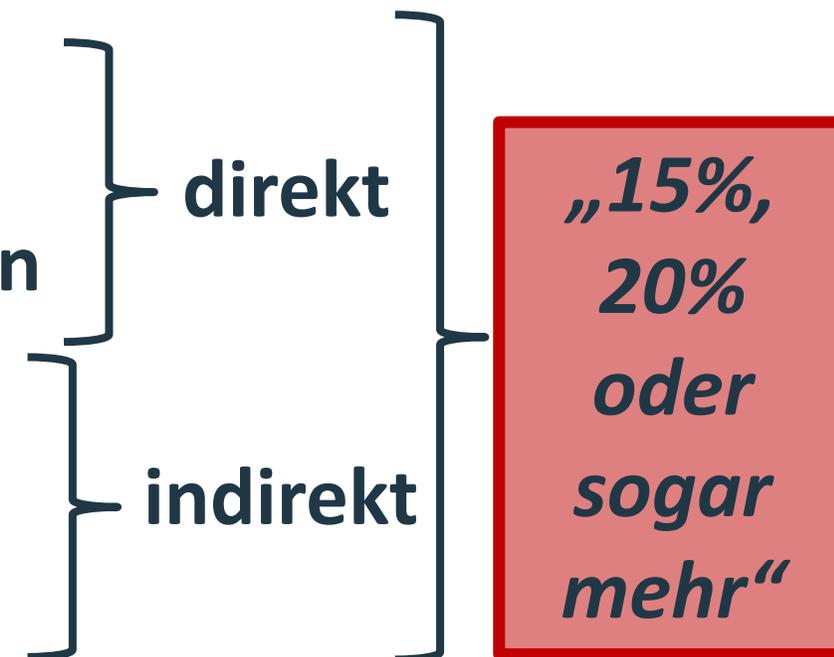
Waste and Resources Pavilion Programme - (subject to change)

COP28 & Green Deal der EU

- Kreislaufwirtschaft hat massiven Einfluss auf Klimaschutz
- Abfallwirtschaft liefert signifikanten Beitrag

dazu gehört:

- Reduktion an Methan Emissionen
- Reduktion an Black Carbon Emissionen
- THG Einsparungen durch Verwertung
- THG Einsparungen durch Vermeidung



Key Messages

- **Kreislaufwirtschaft liefert unmittelbare Beiträge für Klimaschutz**
- **Die Rolle des Abfallsektors wird unterschätzt**
 - **Verfügbarmachung von Sekundärressourcen**
 - **Saubere Kreisläufe sicherzustellen => SENKEN**
- **Wir müssen die Sichtbarkeit der Abfallwirtschaft erhöhen!**

About ISWA

ISWA is the world's leading network promoting professional and sustainable waste- and resource management.

ISWA represents all aspects and stakeholders within the waste management sector: the public, the private and the academic.

With more than 1,300 Members in 109 countries, ISWA has a unique global network.



**To Promote and Develop
Sustainable and
Professional Waste
Management Worldwide
and the transition to a
Circular Economy**

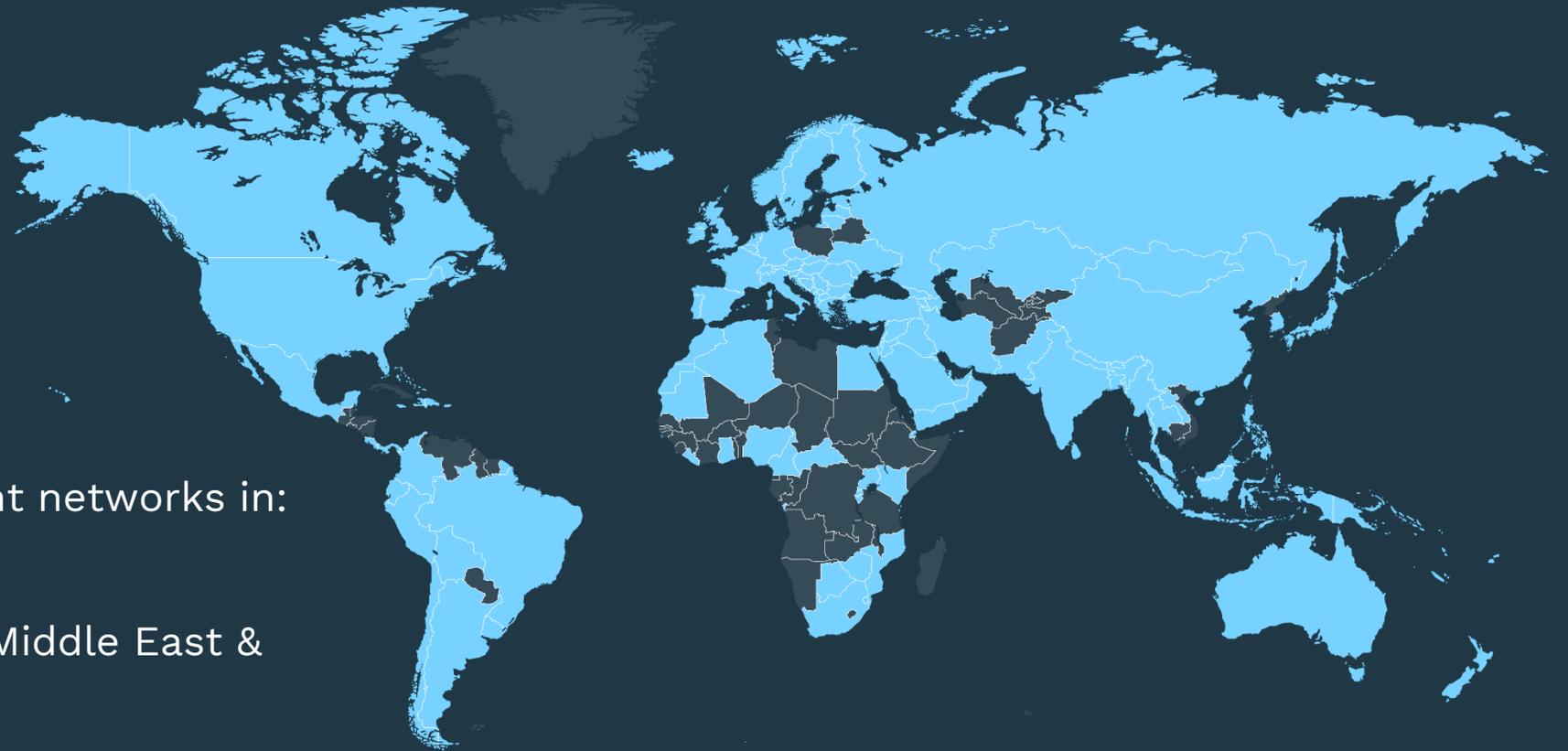
- Our mission

Members in 109 countries

44 national members

4 Regional Development networks in:

1. Latin America
2. Southeast Europe, Middle East & Mediterranean
3. Asia & Pacific
4. Africa



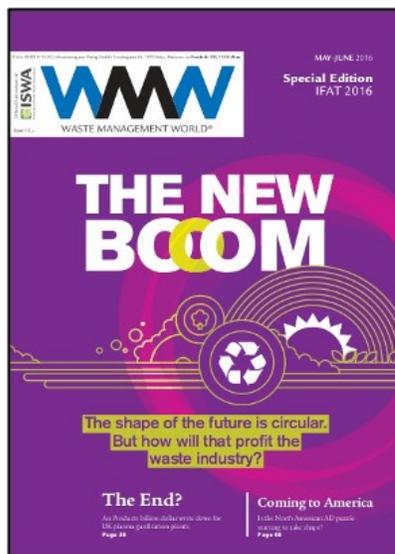
ISWA Technical Working Groups

1. Biological Treatment of Waste
2. Climate Change and Waste Management
3. Collection and Transportation Technology
4. Communication and Social Issues
5. Energy Recovery
6. Governance & Legal Issues
7. Hazardous Waste
8. Healthcare Waste
9. Landfill
10. Recycling and Waste Minimisation

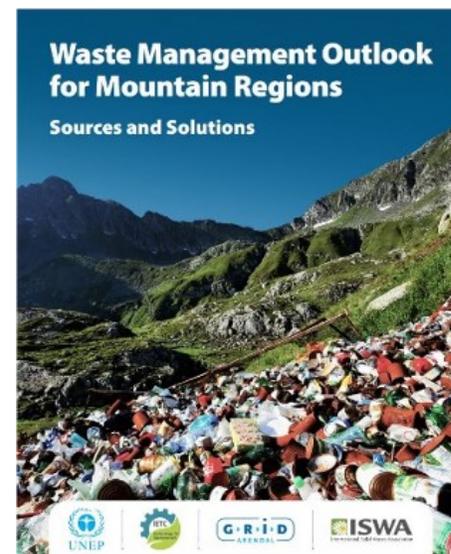


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