

Challenges of Developing and Applying UNFC to Anthropogenic Resources



RESOURCE MANAGEMENT WEEK 2023

ASSURING SUSTAINABILITY IN
RESOURCE MANAGEMENT



UNECE

Anthropogenic Resources



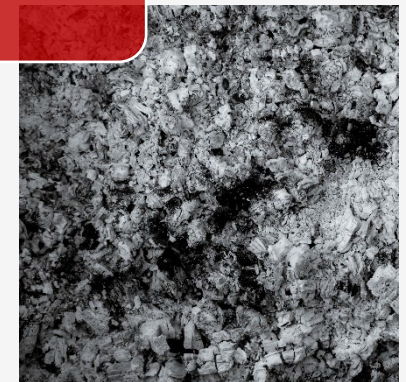
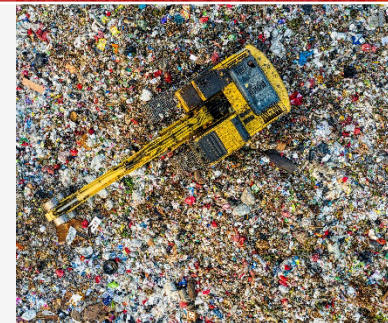
Mining & metallurgical residues



Post-consumer residues



How to
to convert residues into new products?



Challenge 1: Evidence on future waste flows



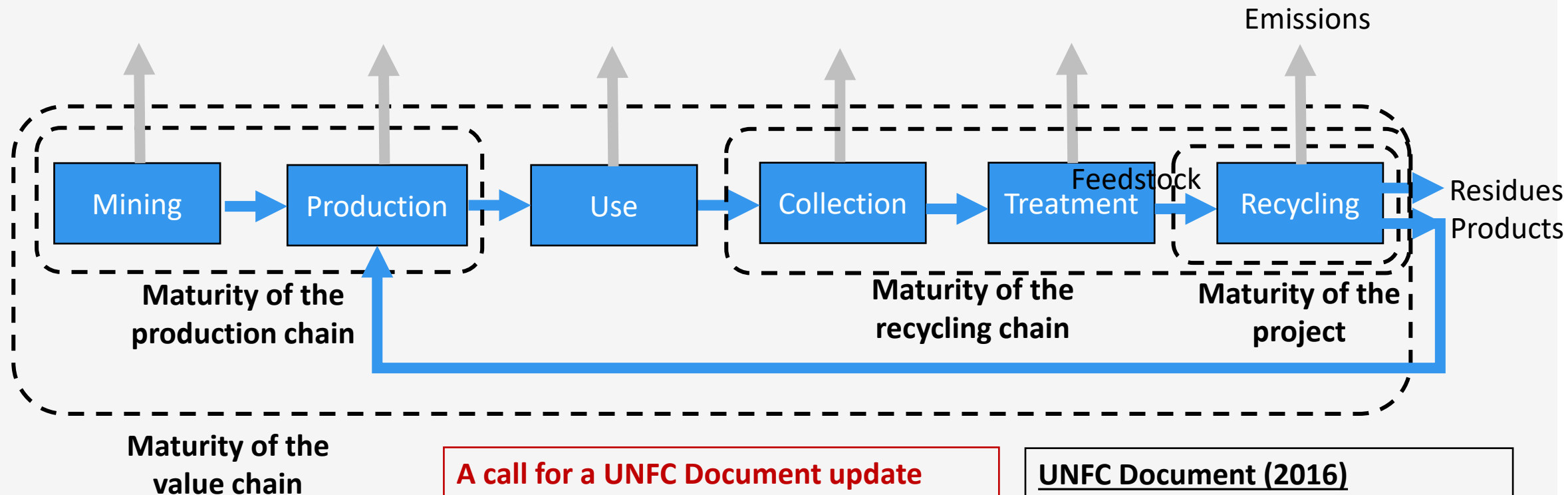
UNFC Classes Defined by Categories and Sub-categories						
Total Products	Produced	Sold or used production				Product Quantity Estimates based on direct evidence
		Production which is unused or consumed in operations				
	Class	Sub-class	Categories			
			E	F	G	
Known Sources	Viable Projects	On Production	1	1.1	1, 2, 3	indirect evidence
		Approved for Development	1	1.2	1, 2, 3	
		Justified for Development	1	1.3	1, 2, 3	
	Potentially Viable Projects	Development Pending	2	2.1	1, 2, 3	
		Development On Hold	2	2.2	1, 2, 3	
	Non-Viable Projects	Development Unclassified	3.2	2.2	1, 2, 3	
		Development Not Viable	3.3	2.3	1, 2, 3	
Remaining products not developed from identified projects		3.3	4	1, 2, 3		
Potential Sources	Prospective Projects	[No sub-classes defined]	3.2	3	4	
	Remaining products not developed from prospective projects		3.3	4	4	

A mineral in the Earth **can** be sampled and analyzed.

Future waste flows **cannot** be sampled and analyzed.

A call to think about the definition and application of the G categories.

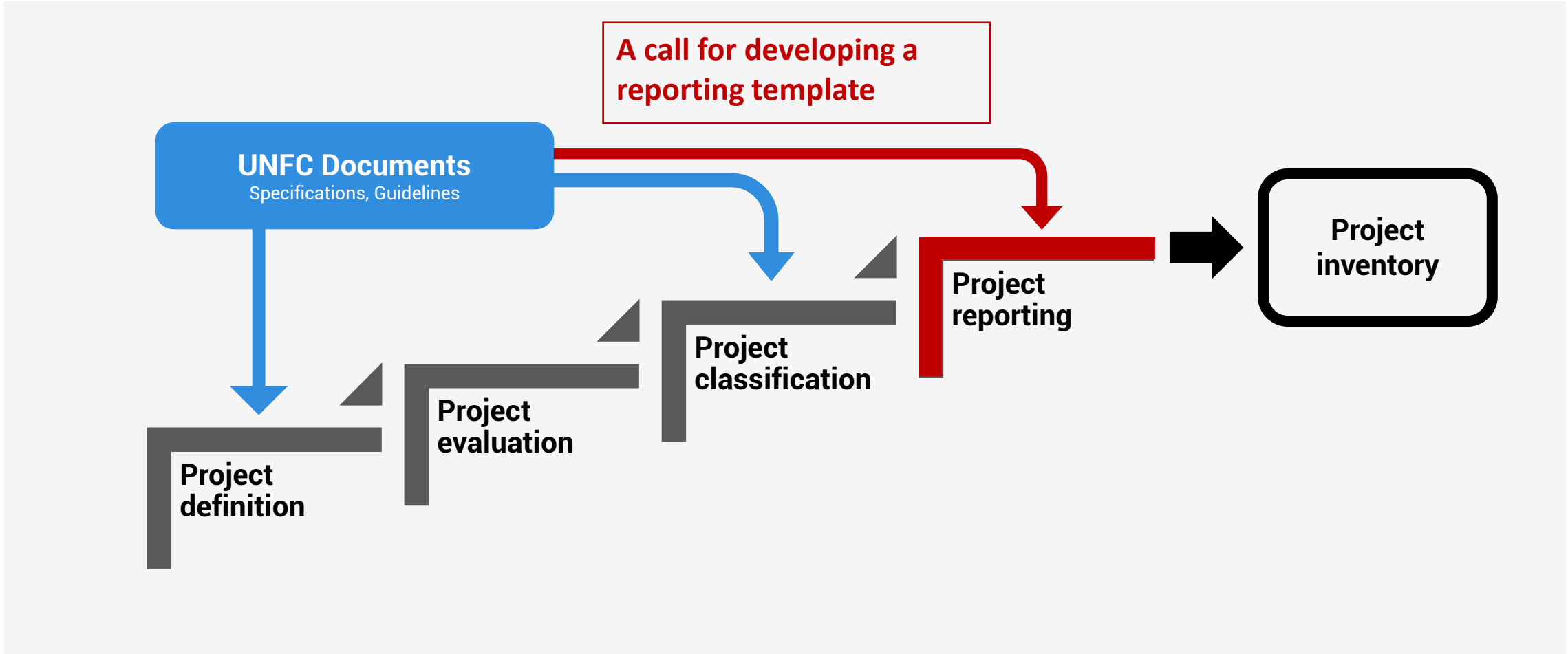
Challenge 2: UNFC definition of a project



A call for a UNFC Document update
Guidance Note to support the **UNFC-2019** Definition of a Project

UNFC Document (2016)
Guidance Note to support the **UNFC-2009** Definition of a Project

Challenge 3: Project reporting



Thank you!

Ulrich Kral
Chair of Anthropogenic Resource WG

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