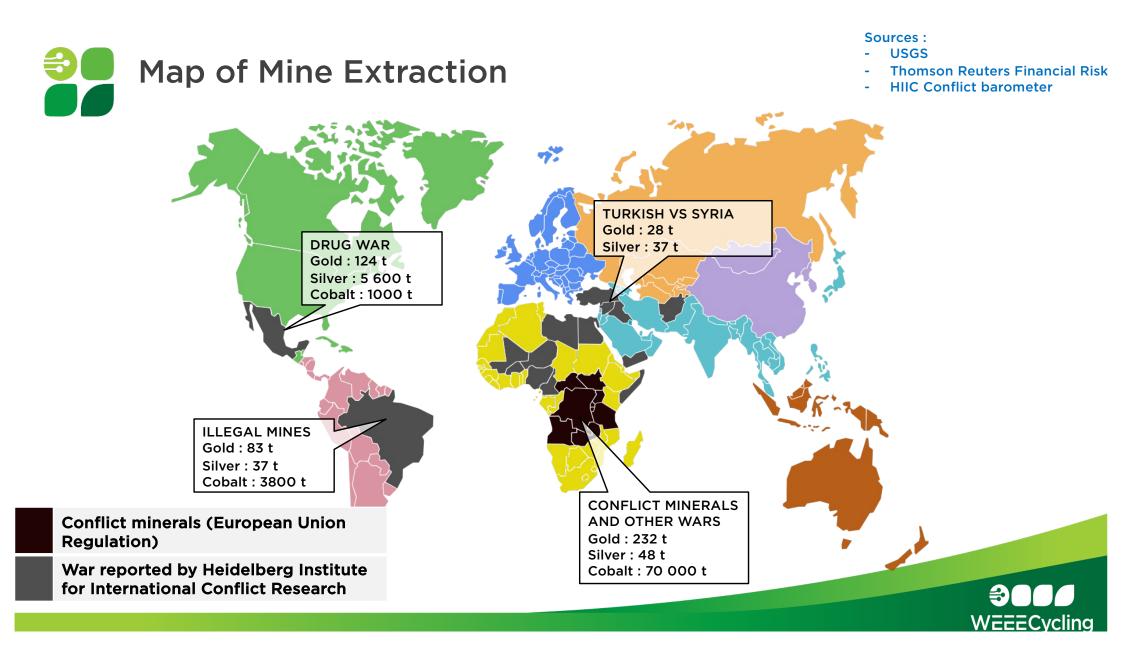
Circular Economy of Critical Raw Materials Applied to E Waste

SUSTAIN E INP GRENOBLE June 17, 2025 Serge Kimbel, Founder and CEO WeeeCycling





History of Common understanding onConflict minerals



WEEECycling



3TG

<u>cassiterite</u> (for <u>tin</u>), <u>wolframite</u> (for <u>tungsten</u>), <u>coltan</u> (for <u>tantalum</u>) and <u>gold</u> ore, which are extracted mainly from the eastern Congo, and passed through a variety of intermediaries before being purchased.



- > 2010 : Dodd-Frank Wall Street Reform and Consumer Protection Act,has been signed by President Barack Obama
- 2016 The OECD Due Diligence Guidance for Responsible Business Conduct is an initiative for a sustainable management of the mineral supply chain from conflict areas
- > NPO : like Responsible Minerals Initiatives following those guidance

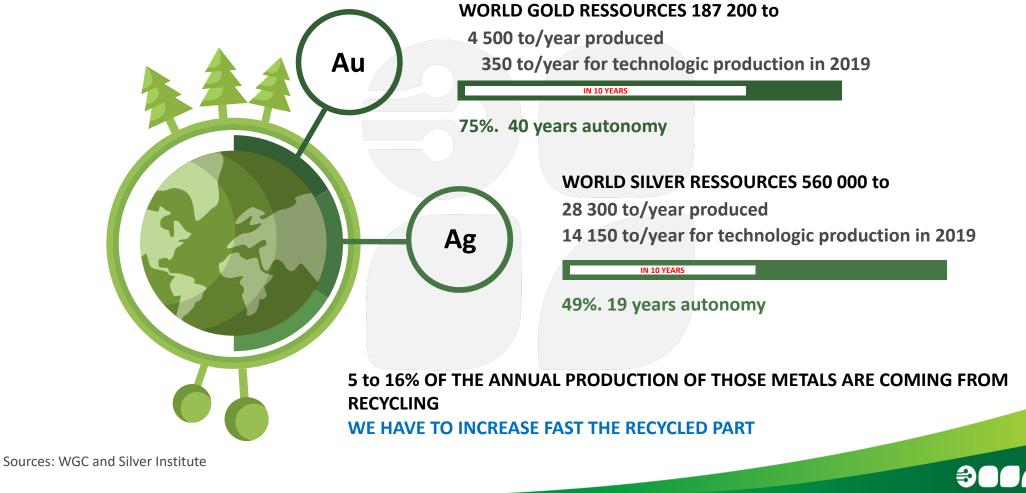






WEEECvclina





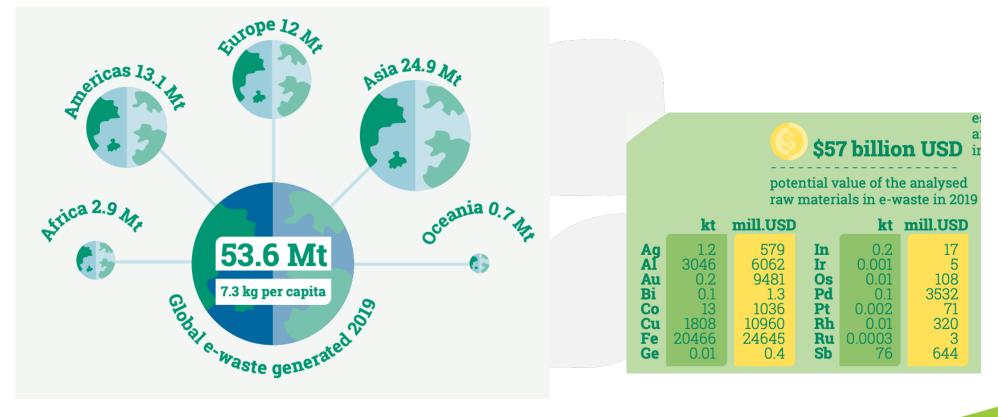
WEEECycling



Circular Economy of CRM as a solution











RECYCLING VS MINE EXTRACTION m 3880 WEEECycling VS MINE EXTRACTION 1 kg CONSUMPTION EMISSIONS CONSUMPTION EMISSIONS 23 t. of greenhouse 50 L. of water 10 kg of final waste (MB) Cco2) gases + + XX t. 歐 27 g. of mercury of components electronic 238 kg of cyanide <u> 4</u>0 22 g. of arsenic + 2,3 Mio. litres of water 1 t. $(s_0,)$ of sulphur oxide + 4 2000 t. of mining waste 6000 t. (5)(5) of minerals ÷

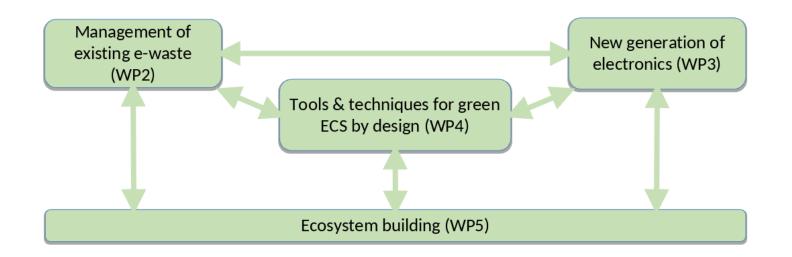




Produce responsible electronic equipements



EECONE Project









The 1st Ethical and Ecologic Metal

Metal 100% from recycling, 0% from mines

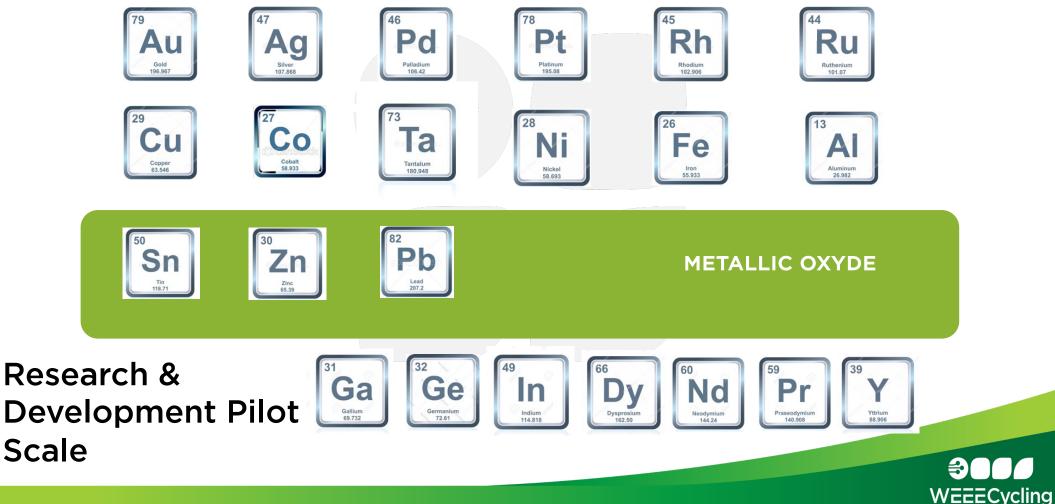








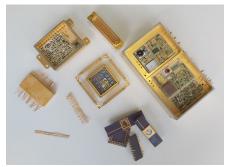
Main extracted and purified metals













Printed Circuit Boards	Ag Plated Aluminium
RAM/Processors	Mobile Phones
HDD	
Drivers	
Electronic components	

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WEEECycling

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SOLIDS	LIQUIDS AND MUDDY
Falling production	Cyanide Baths
Cu Ag	Acid And Basic Baths
Fils d'accroche	Polishing Slurry
Dust	Solutions potassium
Scories	Strippers
Silver graphite	Filters
Filter and cartridges	Used Chemicals products
Industrial Catalysts	

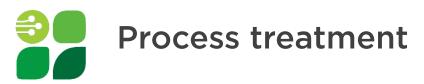


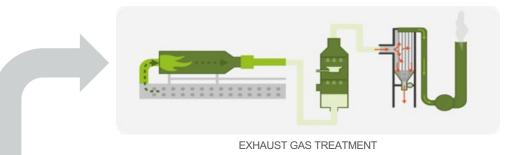










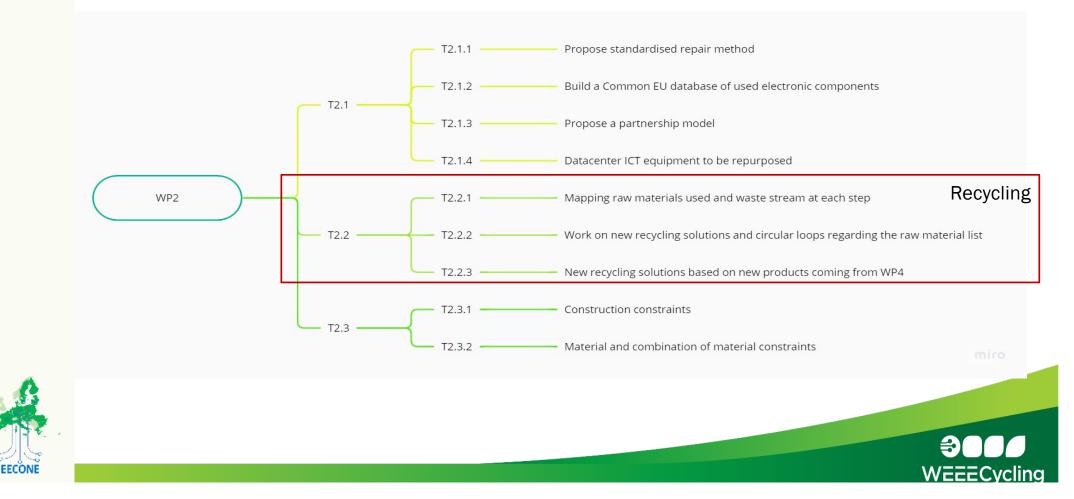


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WEEECycling



Our job in EECONE Project





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