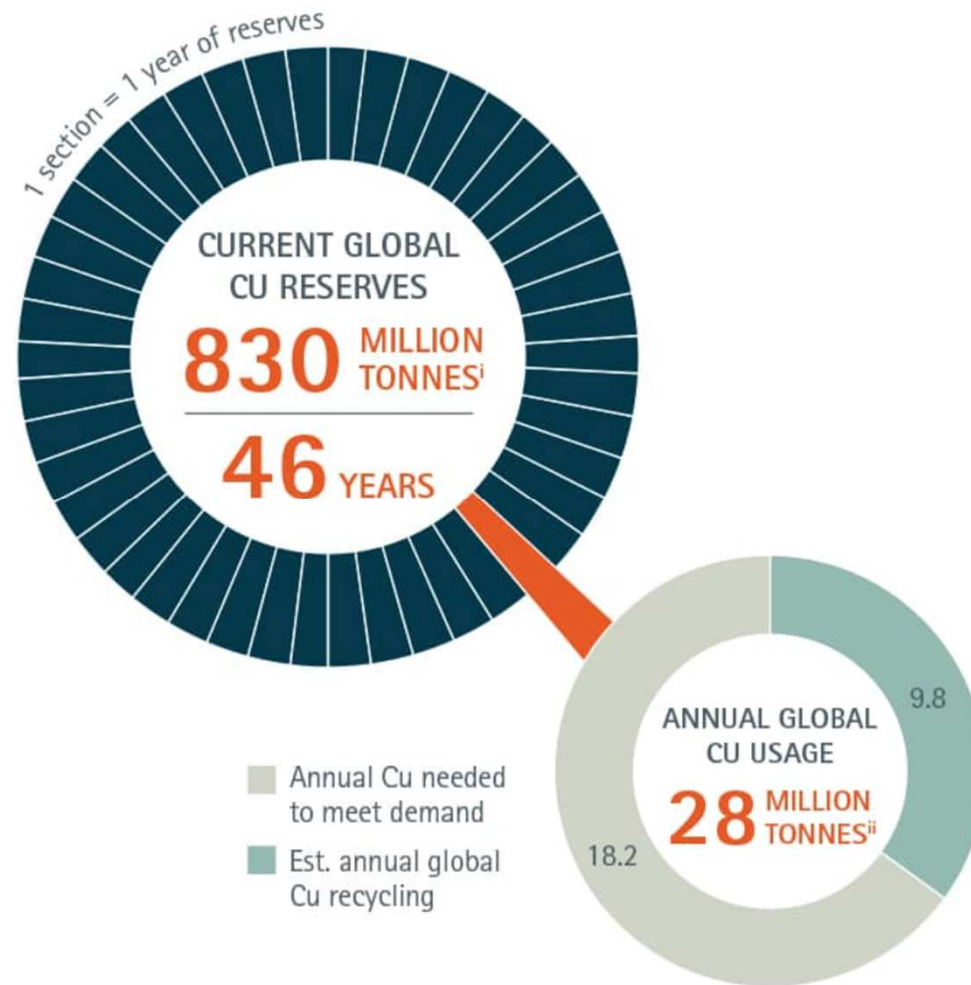




Les opportunités du recyclage du cuivre de haute pureté



Une ressource sous tension





Extraction minière du cuivre loin de la neutralité Carbone

Émissions de CO2 en 2019

Globales GES = 54 Gt CO2 éq

Extraction minière = 5,1 Gt CO2 éq

- Dont principaux métaux = 1,1 Gt CO2 éq

Part de l'extraction minières dans la totalité des émissions mondiales de CO2

→ Total principaux métaux = 2,02%

→ Cuivre = 0,14%

Facteurs d'émission des principaux métaux

Métal	Production / an (milliers t)	Kg CO2 eq / kg métal	Total Gt CO2 eq	% CO2 eq / CO2 e
GOLD	4,5	26 000	0,117	
Copper	20 000,0	3,7	0,074	
Zinc	13 000,0	4,6	0,060	
Nickel	2 700,0	16,1	0,043	
PGM	0,4	51 200,0	0,020	
Lead	4 700,0	3,2	0,015	
SILVER	28,3	110,0	0,003	
TOTAL CO2 eq main metals			1,092	

Sources :
ADEME / SPGLOBAL / TEMIS MINISTERE DE L'EQUIPEMENT

Un cycle à améliorer

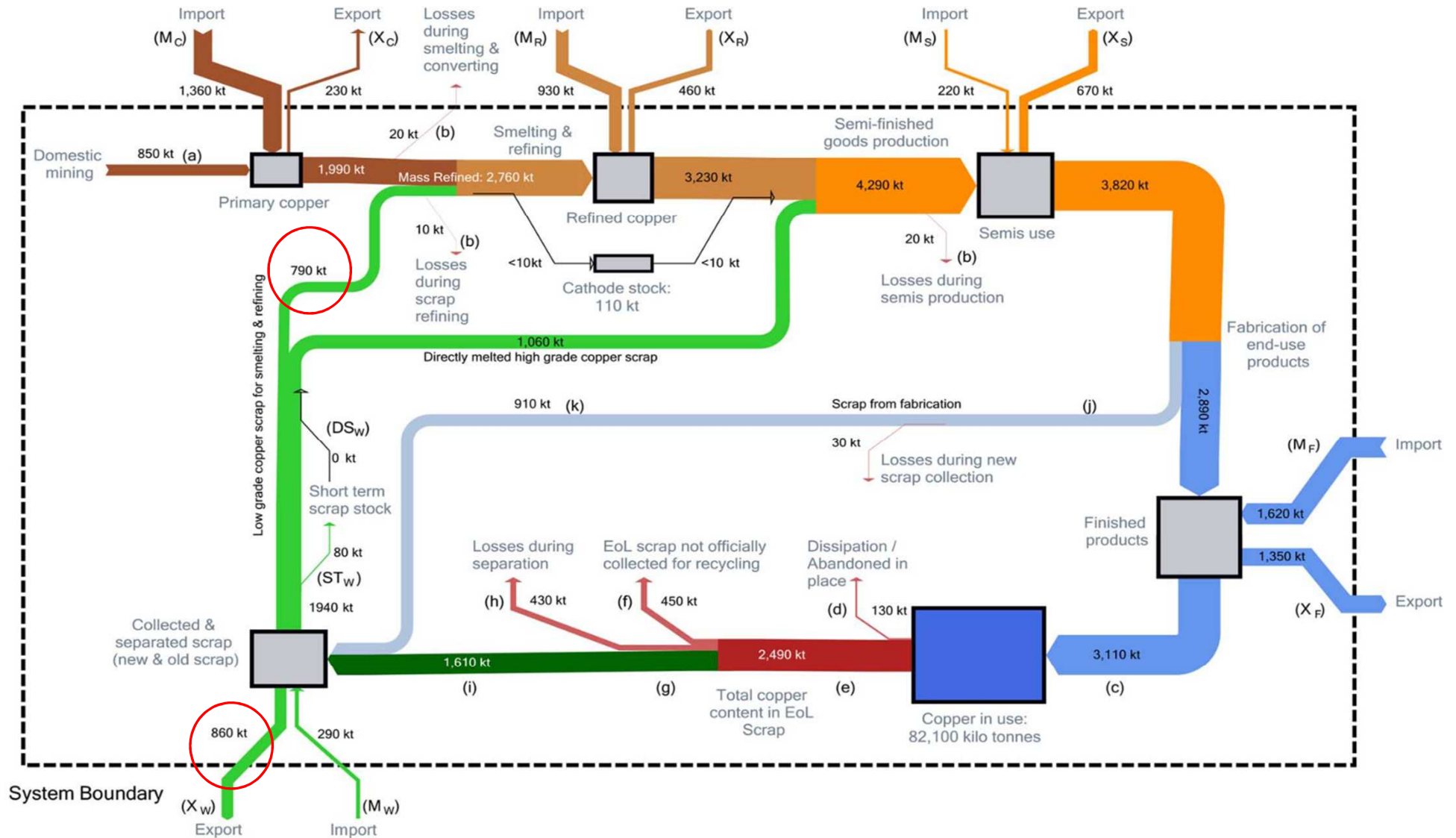


Fig. 2. Summary of copper stocks and flows in the EU28 (2014).

About us

A site of 15 Hectares

15 000 m2 of covered building

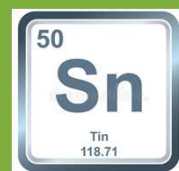
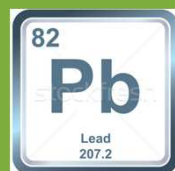
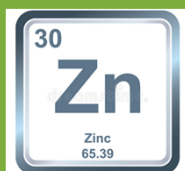
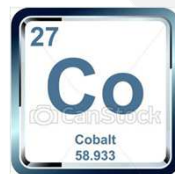
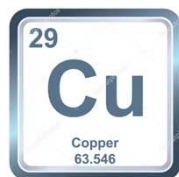
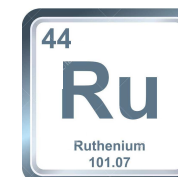
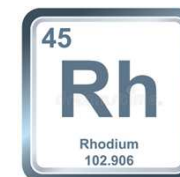
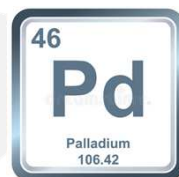
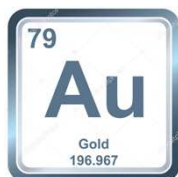
ISO 9001

ISO 14001

WEEElabex

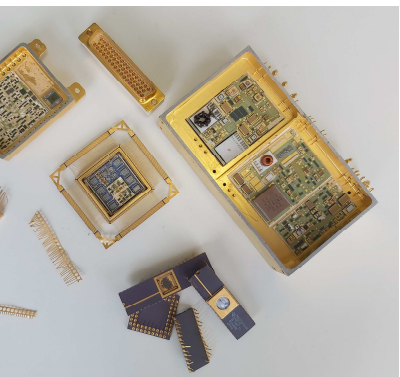
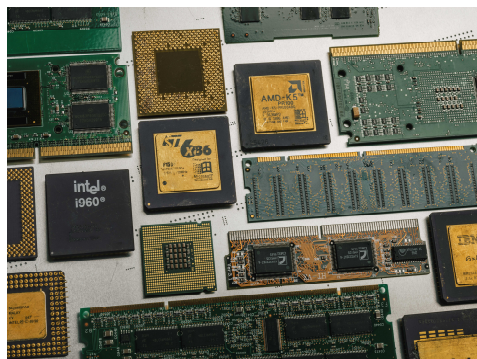
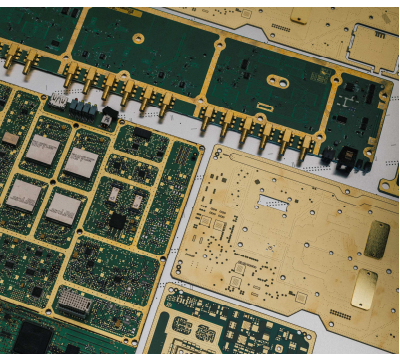


Les métaux que nous travaillons





Typologie de déchets Cuivre



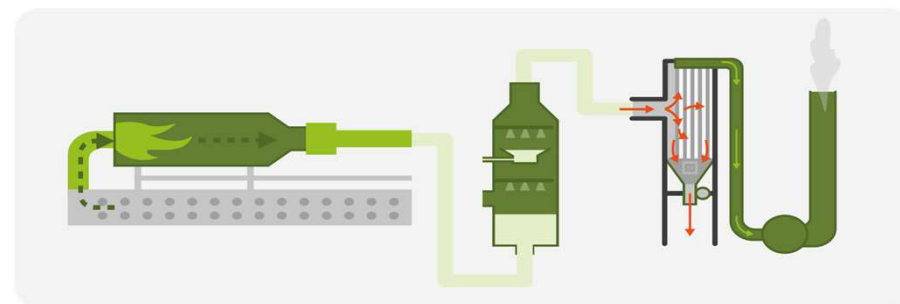
Printed Circuit Boards	Ag Plated Aluminium
RAM/Processors	Mobile Phones
HDD	...
Drivers	
Electronic components	

E-waste but not only

SOLIDE	LIQUIDE
Chute de production	Sulfate de Cuivre
Cu Ag	Bains acide ou basique
Fils d'accroche	Boues Industrielles
Poussières	Produits Chimiques
Filtres	...
Catalyseurs	
...	



NOTRE PROCESSUS DE TRANSFORMATION



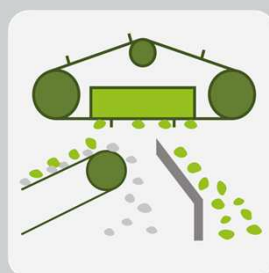
TRAITEMENT DES POUSSIÈRES ET DES FUMÉES



CHARGEMENT
REBUTS TRIÉS



BROYAGE



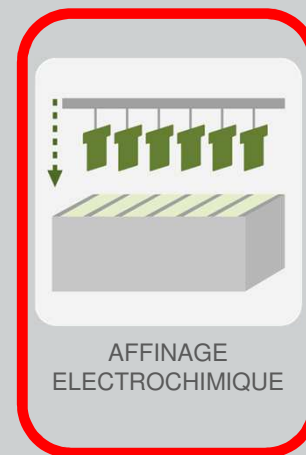
SEPARATION
MECANIQUE



PROCEDES
THERMIQUES



AFFINAGE
CHIMIQUE



AFFINAGE
ELECTROCHIMIQUE



FONTE FINALE
METAUX FINS



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