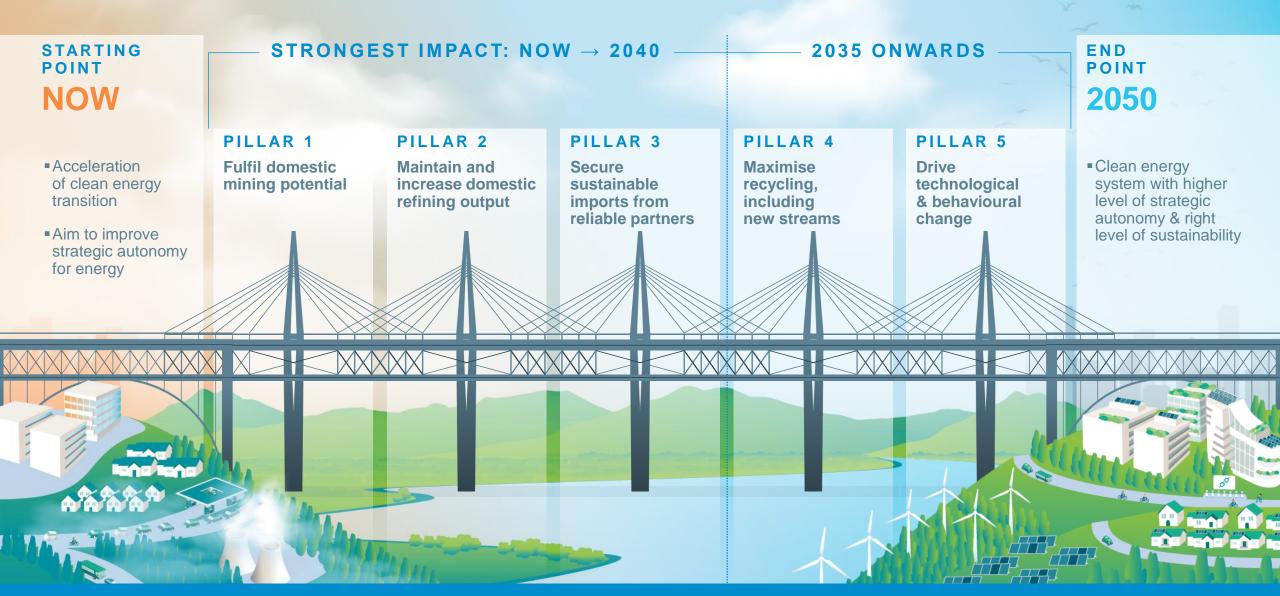
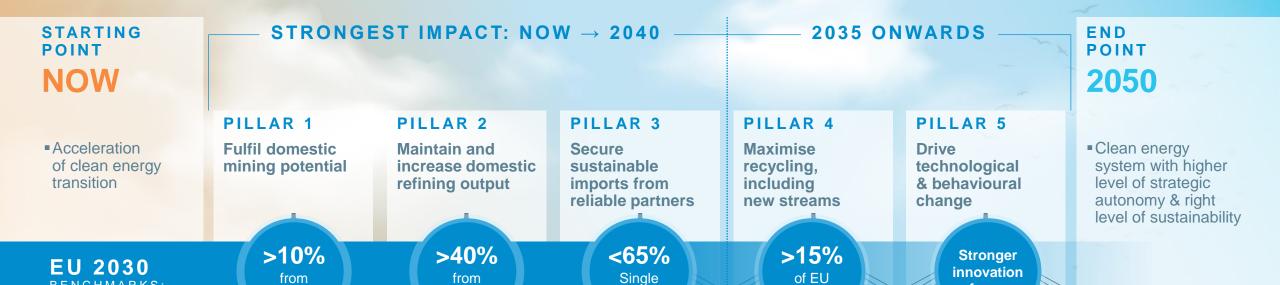


### Five necessary pillars for Europe's metals & clean energy bridge



### Critical Raw Materials Act sets 2030 benchmarks for building this bridge





source



BENCHMARKS:



focus

demand

domestic

domestic

The burning question for our work ahead

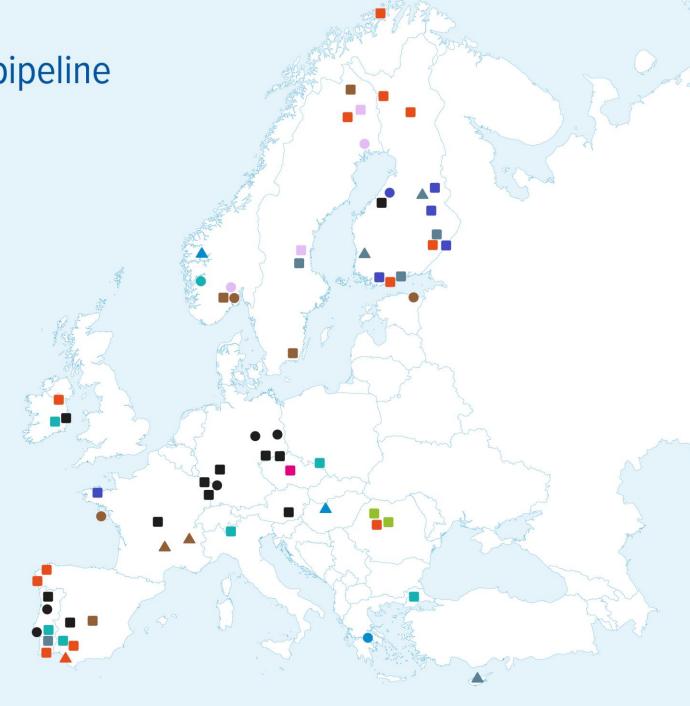
# To what extent is Europe on track in meeting these four 2030 benchmarks?

Europe's 2030 potential projects pipeline for strategic metals and minerals

- Aluminium
- Copper
- Nickel
- Zinc
- Cobalt
- Lithium
- Rare Earths
- Manganese
- Graphite
- Magnesium



Note: Electric Vehicle battery recycling projects not included on map, but the main recycling source for lithium, cobalt, nickel, manganese etc.



#### Europe's 2030 potential is there, but what's the current forecast?



**Base metals** 

Copper, Aluminium, Zinc, Silicon



**Overcast** 



**Key battery materials** 

Nickel, Lithium, Cobalt



Rain with a little sunshine



Other key materials

Graphite, Rare earths, Manganese



Heavy rain ahead



And we all know the energy crisis has brought major thunderstorms for everyone

### Base Metals & Silicon: Existing EU capacity mostly already exceeds 2030 benchmarks



	2030 Europe supply projection (max)			Diversification	
	MINING (>10% GOAL)	PROCESSING (>40% GOAL)	RECYCLING (>15% GOAL)	MINING (<65% TOP IMPORTER)	PROCESSING (<65% TOP IMPORTER)
Cu Copper	40%	85%	55%	<b>20%</b> (Chile)	<b>20%</b> (Chile)
Zn Zinc	50%	100%	40%	<b>20%</b> (Peru)	-
Al Aluminium	3%	43%	45%	<b>65%</b> (Guinea)	<b>20%</b> (Russia)
Si Silicon		73%	4%*		<b>40%</b> (Brazil)



### But the energy crisis has brought existential storms





EU aluminium & zinc capacity offline in 2023



EU silicon capacity offline in 2023



Can Europe afford to deindustrialise further?



### **Key battery metals:** 2030 benchmarks are mostly achievable <u>if</u> uncertain projects are taken forward by latest 2025



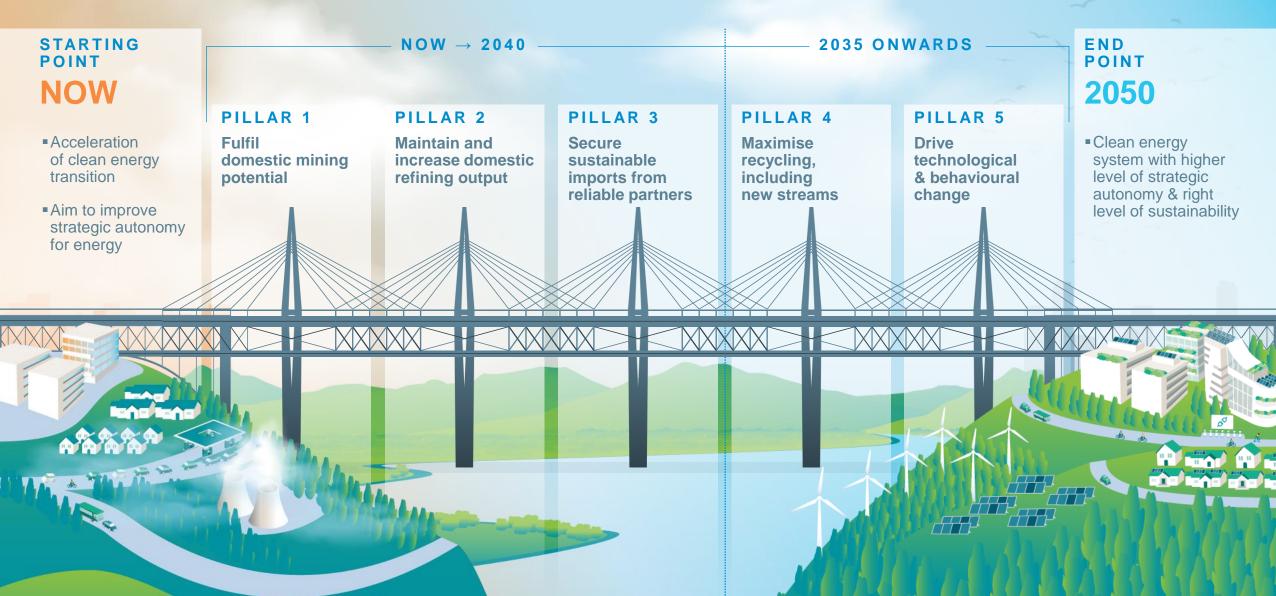
	2030 EU supply projection (max)			Diversification	
	MINING (>10% GOAL)	PROCESSING (>40% GOAL)	RECYCLING (>15% GOAL)	MINING (<65% TOP IMPORTER)	PROCESSING (<65% TOP IMPORTER)
Ni Nickel	22%	50%	10%*	<b>50%</b> (Canada)	<b>30%</b> (Russia)
Lithium	39%	54%	8%*	-	<b>55%</b> (Chile)
Co Cobalt	7%	40%	20%*	<b>75%</b> (DRC)	<b>20</b> % (USA)

## Other key raw materials: Europe off track today for meeting 2030 benchmarks



	2030 EU supply projection (max)			Diversification	
	MINING (>10% GOAL)	PROCESSING (>40% GOAL)	RECYCLING (>15% GOAL)	MINING (<65% TOP IMPORTER)	PROCESSING (<65% TOP IMPORTER)
Manganese (high purity)	20%	20%	10%	-	<b>90+%</b> (China)
Graphite (battery)	20+%	20%	<5%		<b>100%</b> (China)
Rare earths	20-80%*	20%	<5%		<b>99%</b> (China)
Mg Magnesium	25%	25%	15%		<b>93%</b> (China)

### Whatever the forecast, Europe's raw materials bridge must be built



### How can you help create the strong foundation for a lasting raw materials bridge?



OPERATIONAL COMPETIVENESS



PERMITS THAT WORK FOR ALL



**EU: A STRONGER GLOBAL PLAYER** 

More action to address high EU operating costs across supply chain

Take inspiration from Inflation Reduction Act's clarity and simplicity

Endorsement of the Commission's permit acceleration goal

Accelerate timelines & fix policy inconsistencies, while keeping environment checks & consultation

A bolder global agenda for strategic raw materials partnerships

Offer a valid EU alternative in priority countries to China "resources at all costs"

#### Read more!



www.eurometaux.eu/metalscleanenergy

