An introduction to

Digital Product Passport



Sustainability

Economic

(Do we make money with this, long term?)

Ecologic

(Can we do this within the earth's boundaries?)

Social

(Is this how we treat each other?)



Economic

(Do we make money with this, long term?)

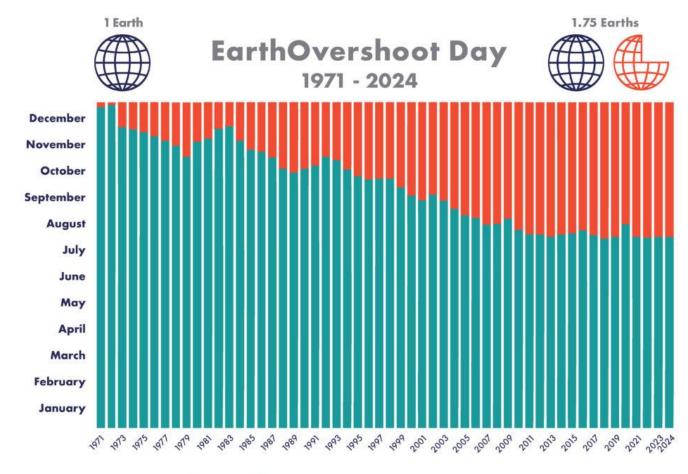
Bauxite	Coking Coal	Lithium	Phosphorus
Antimony	Feldspar	Light rare earth elements	Scandium
Arsenic	Fluorspar	Magnesium	Silicon metal
Baryte	Gallium	Manganese	Strontium
Beryllium	Germanium	Natural Graphite	Tantalum
Bismuth	Hafnium	Niobium	Titanium metal
Boron/Borate	Helium	Platinum group metals	Tungsten
Cobalt	Heavy rare earth elements	Phosphate Rock	Vanadium
		Copper	Nickel

"The risks associated with the concentration of production are in many cases compounded by low substitution and low recycling rates."



Ecologic

(Can we do this within the earth's boundaries?)









Based on National Footprint and Biocapacity Accounts 2023 Edition

August 1st marks Earth Overshoot Day, the date when humanity's demand on nature's resources surpasses Earth's capacity to regenerate them for the given year. innovation for life

Social

(Is this how we treat each other?)



In Ivory coast, cocoa farmers earn on average \$1,23 whereas a livable income would be around \$2,45.



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Traceability

We need to know where our products came from

We need to know how our products were made

We need to know what can still be done with our products

What resources went into this product?

Under what labour conditions?

Is this steel recycled?

What is the carbon footprint of this manufacturing process?

Could I still re-use this battery for grid scale storage?

Does it have to be recycled to the raw materials?



Digital product passports are a system for traceability

Of a wide range of products, with various attributes, to be used for various analysis, and ease administrative overhead.

By sharing product data between the different stakeholders Without giving away control of the data to 3rd parties Without giving up company secrets

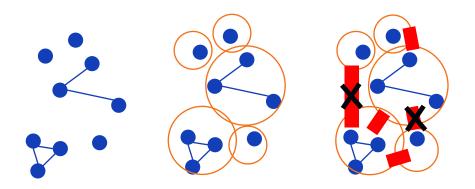
While strengthening European values



Collaboration

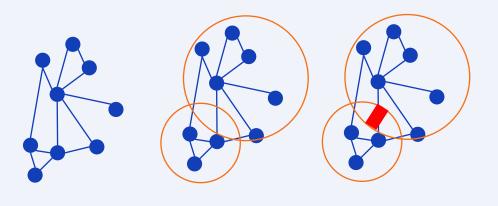
PATH 1: SILO'S AND HIGH COST

Technical decisions and point solutions now limit future interoperability



PATH 2: INTEROPERABILITY AND LOW COST

Collaboration from the start provides a foundation for interoperable DPP solutions, across sectors and industries.

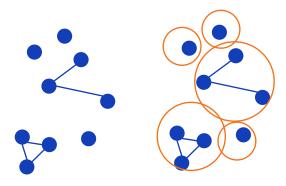


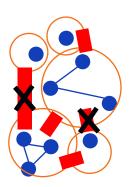


Collaboration

PATH 1: SILO'S AND HIGH COST

Technical decisions and point solutions now limit future interoperability





PATH 2: INTEROPERABILITY AND LOW COST Collaboration from the start provides a foundation for interoperable DPP solutions, across sectors and industries.

For today

Opportunity to set up these collaborations

Break-out sessions in the afternoon A panel discussion on DPPs

But first, Alexandru Ion & Sotirios Kanellopoulos!

