

EIT RawMaterials A vision for a circular future

Lisboa | 23 June 2020 | Massimo Gasparon, Director Innovation



Linear economy



Technical & biological materials mixed up

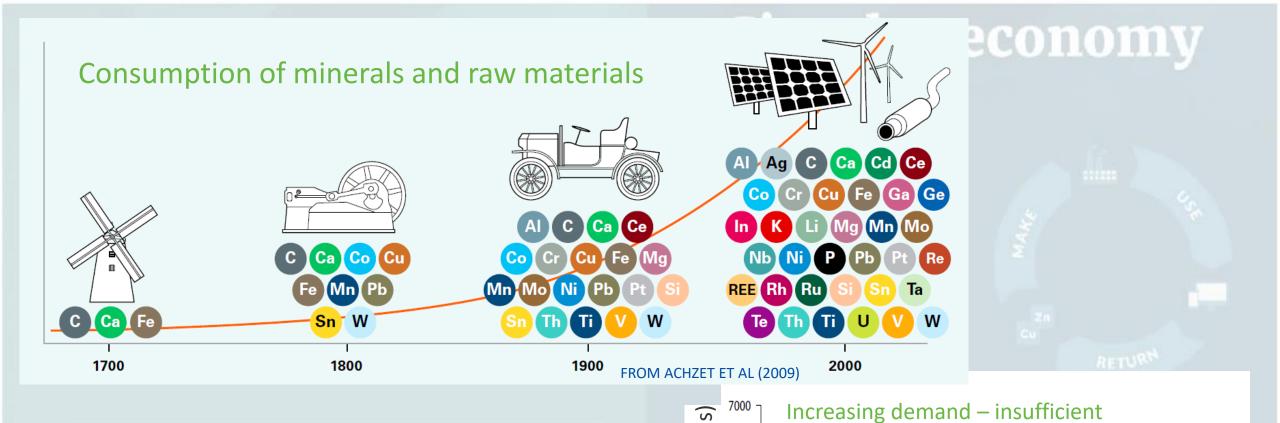
Energy from finite sources

Circular economy ****** ENRICH RETURN Biological materials **Energy from renewable sources**

Image from datadriveninvestor.com

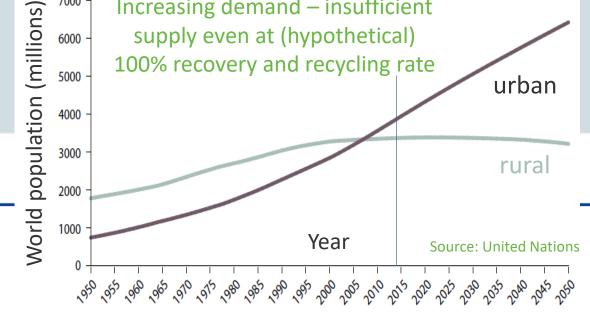
(https://www.datadriveninvestor.com/wp-content/uploads/2018/10/circular-economy.jpg)





Technical & biological materials mixed up

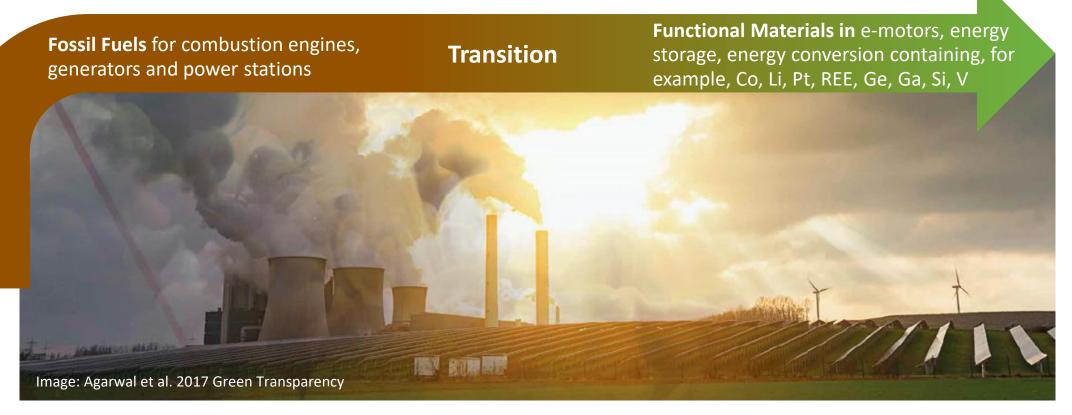
Energy from finite sources





RAW MATERIALS AND ADVANCED MATERIALS ARE *THE* KEY ENABLERS FOR THE TRANSITION TO THE GREEN ECONOMY

Brown Economy Green Economy



Fundamental shift in the resource basis of a society -

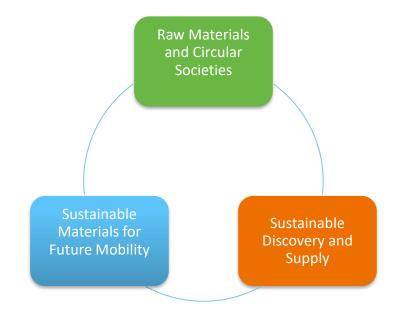


EIT RAWMATERIALS' CIRCULARITY CONCEPT



EIT RawMaterials Lighthouses

ACTIONS TO BOOST OUR EXISTING STRENGTHS





SUPRIM

I CSA FOR PRIMARY RAW MATERIALS

















DISCOVERY









CIRCULAR

ECONOMY

SECURE

CLOSE





CIRCULAR

EXPLORATION

MINING

PROCESSING

SUBSTITUTION

CHALLENGE

Reliable datasets and adequate assessment methodologies are required to assure and assess the sustainability of raw materials' supply. To date, however, such methodologies do not exist.

SOLUTION

To develop an efficient, objective and robust assessment tool to meet the societal demands of sustainable resource use and to enhance the image of the (European) Primary Production Sector (and consequently of other economic sectors).

IMPACT

Enable decision-makers at site, company, regional and national level to correctly identify and assess existing and potential impacts and prioritize remedial actions. Improved transparency and trust in the raw materials sector.

BUDGET € 1.2 M

DURATION 2017 - 2019

Geographic distribution Powered by Bing @ GeoNames, HERE, MSFT, Wikipedia

CONSORTIUM:



(Lead Partner)













THE RAW & CIRCULAR ECONOMY EXPEDITION (RACE)

A life-changing opportunity for Sustainability pioneers to unlock Future Mobility solutions

RACE Theme is "Raw Materials for Future Mobility"

A 2-week learning journey along the Raw Materials value





Travelling across Europe from 18-31 August 2019*

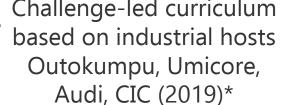


Interdisciplinary teams pitching solutions to Future Mobility challenges



Anchored in UN SDGs

Challenge-led curriculum Outokumpu, Umicore,







Slovenia Deep Demonstration – a systemic switch to the circular economy











Government of Slovenia, represented by key Ministries

Slovenian Ministry of Education, Science and Sport, the Ministry of Economic Development and Technology, the Government Office for Development and European Cohesion Funds, Ministry of the Environment and Spatial Planning, Ministry of Infrastructure, Ministry of Agriculture, Forestry and Food





Value chains









Create Circular Communities

Foster Circular Development

Circular Policy Design & Science

Lack of awareness & culture on circular economy

Lack of Systems Innovation + Entrepreneurship

Current regulation supports linear economy

Circular Schools



Circular Discovery Process



Transition Policy Lab



Circular Learning & Resources



Circular Performance



Circular Procurement



Circular Synergies



SME Circular Innovation Support 🔎



Circular Higher Education





Transformation Capital for Circular Economy





🖈 Circular Transition Pilots: Industrial Value Chains 🔭





INTEGRATED PORTFOLIO APPROACH PROPOSED ACTIVITIES

