



European
Commission

EASME

Executive Agency for Small and Medium-sized Enterprises

Research & innovation and
international cooperation for a
sustainable raw material supply
in the Horizon programme

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Head of Raw Material Sector
H2020 Environment and Resources
EASME

Minfuture Final Conference
6 November 2018, Brussels

Executive
Agency
for SMEs



COMPANY

CIP Eco-innovation

LIFE the EU Programme for the Environment and Climate Action

@LIFE_Programme

Horizon 2020 Climate action, environment, resource efficiency and raw materials

@EU_ecoinno

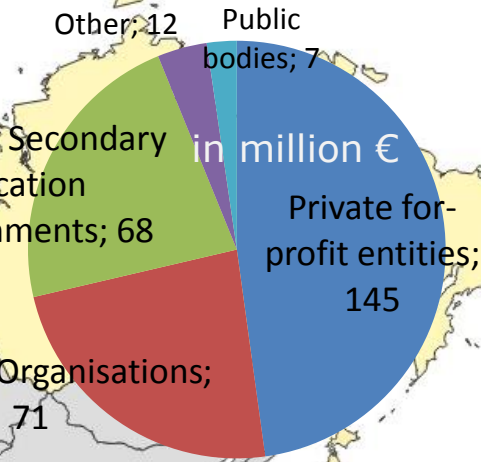
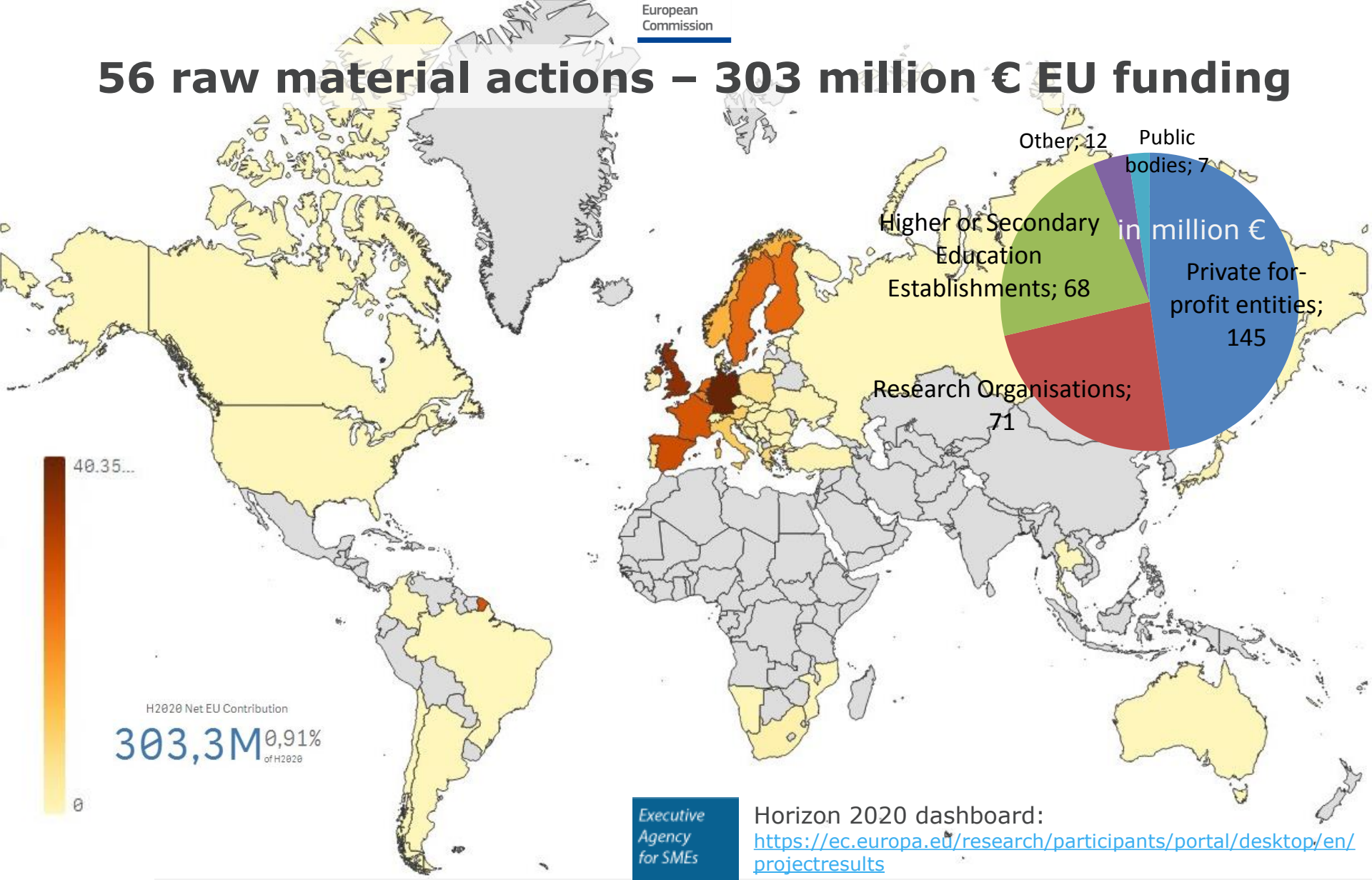
Sustainable Industry Low Carbon II (SILC II)

Executive



European Commission

56 raw material actions – 303 million € EU funding



Executive Agency for SMEs

Horizon 2020 dashboard: <https://ec.europa.eu/research/participants/portal/desktop/en/projectresults>

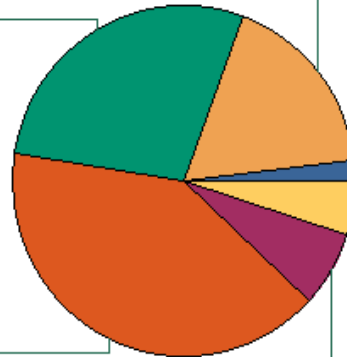


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56 actions – 303 million € (in million €)

Technology - 267 M€

Extraction
75.30
29% IAs



Exploration
46.96

ERA-NET
5.00

Waste management
13.40

Substitution
18.68

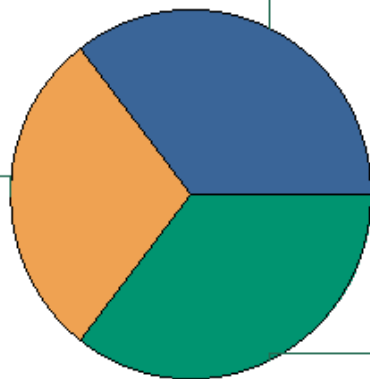
Non-technology - 28 M€

Processing
108.20
56% IAs

Framework conditions
10.09

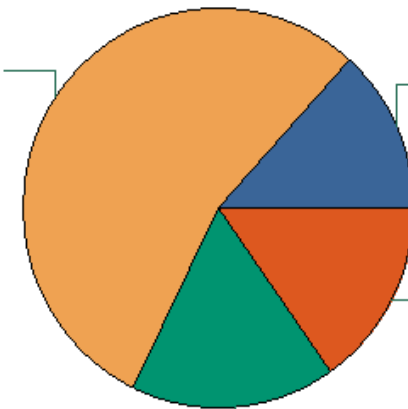
Waste management
10.03

Knowledge base
8.16



International cooperation - 7.5 M€

International dialogue
4.08



Global material flows
1.00
World forum
1.14

Skills
1.27



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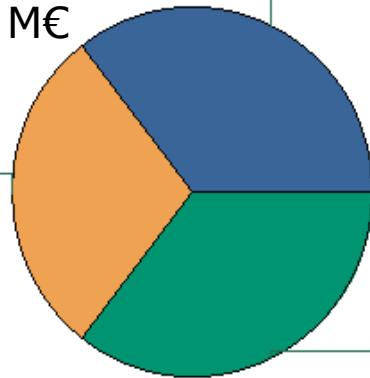
Coordination and support actions

(in million €)

Non-technology - 28 M€

VERAM
MICA
ORAMA
SCRREEN

Knowledge
base
8.16



Framework
conditions
10.09

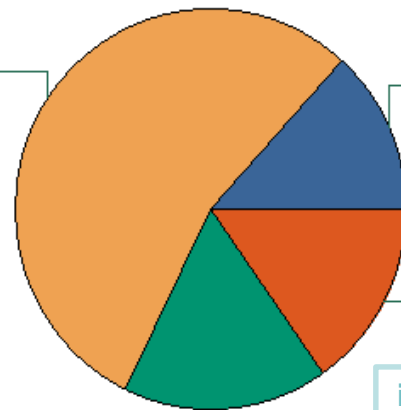
MINATURA 2020
MIN-GUIDE
Minland
MIREU
ROSEWOOD

Waste
management
10.03

COLLECTORS
ProSUM
SMART GROUND
IMPACTPapeRec
MSP-REFRAM

INTRAW
STRADE

International
dialogue
4.08



Global
material
flows
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World
forum
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FORAM

intermin
Skills
1.27

International cooperation - 7.5 M€




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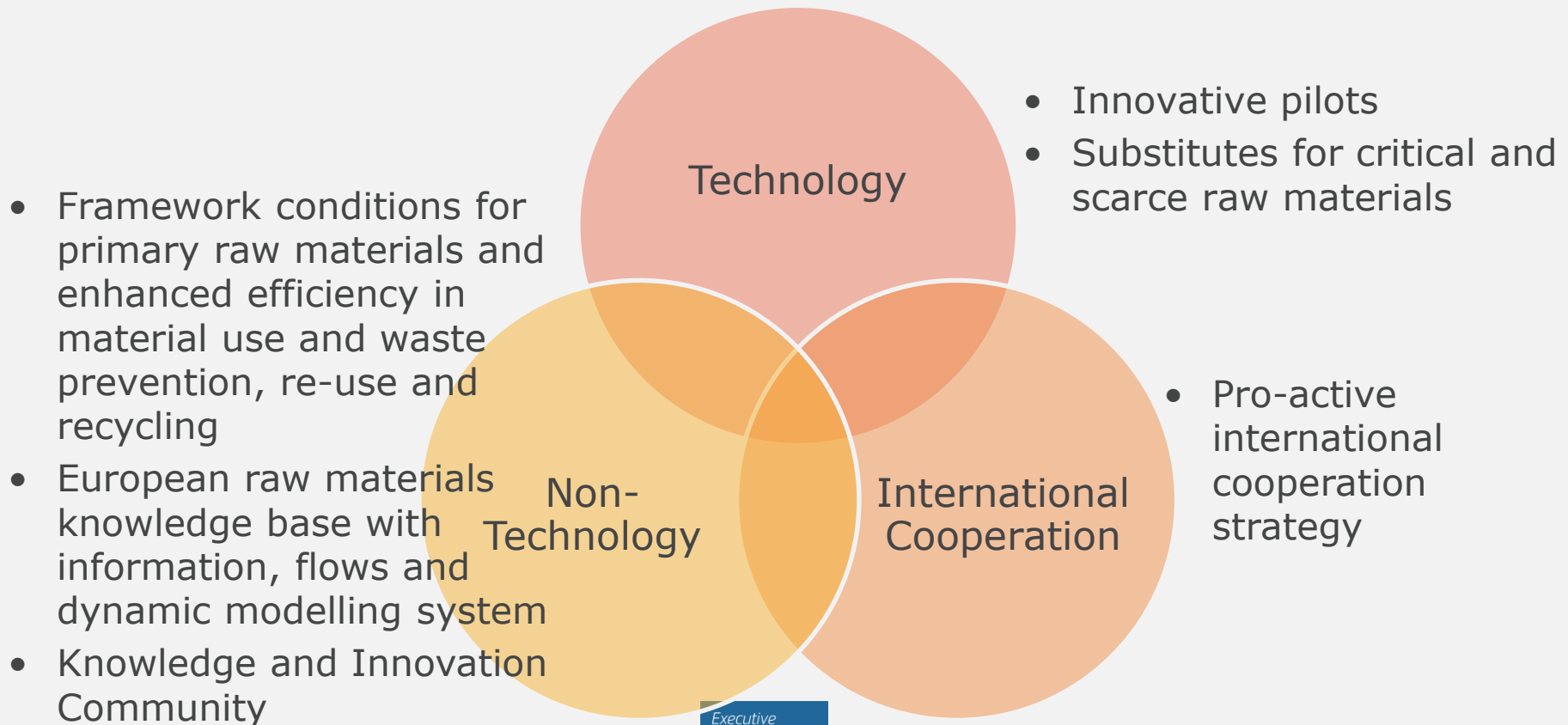
Overview of raw material actions

<https://sc5.easme-web.eu/?theme=green> (filter "raw materials")

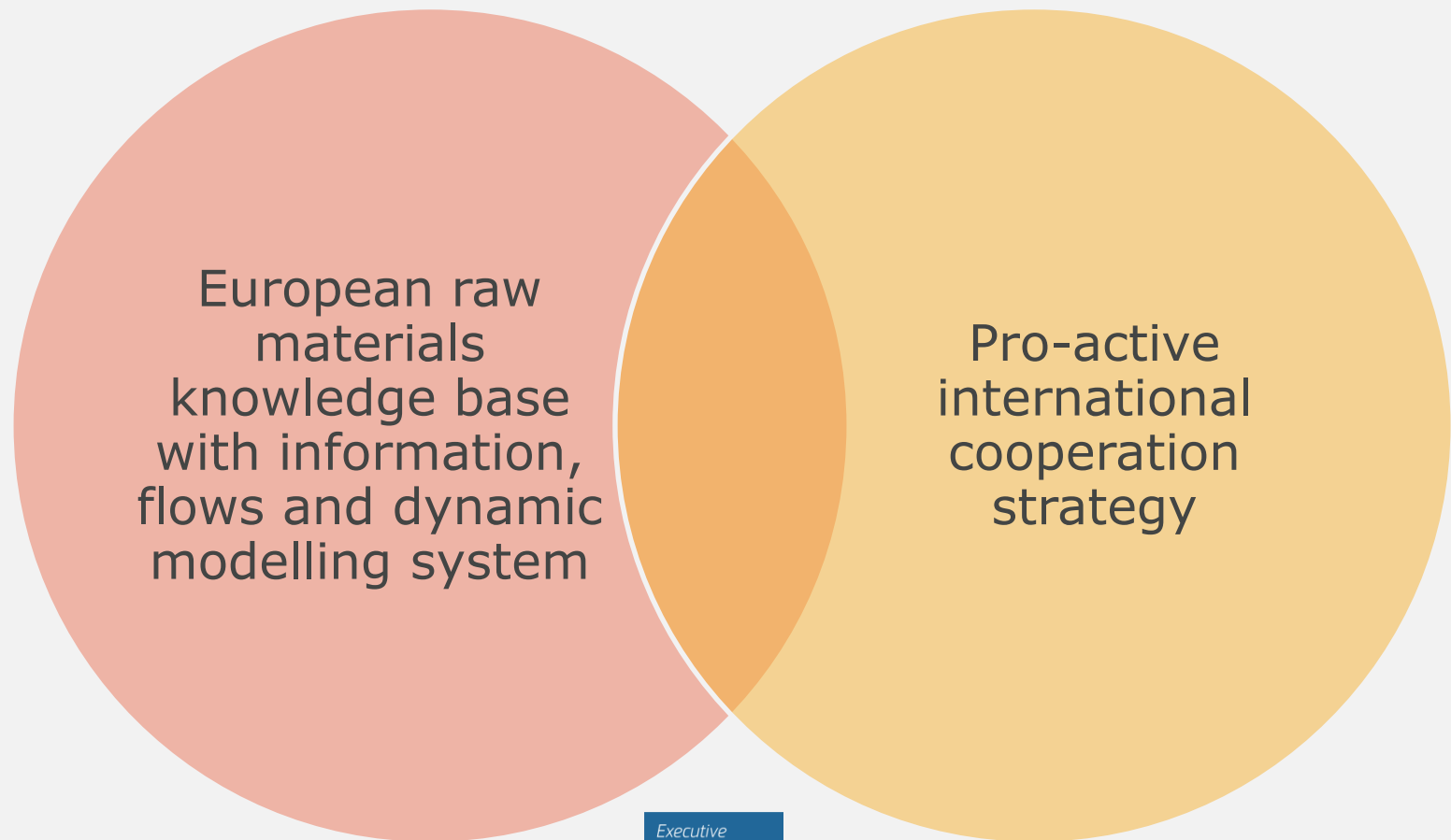
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The EIP Strategic Implementation Plan (2013) to ensure a sustainable supply of raw materials

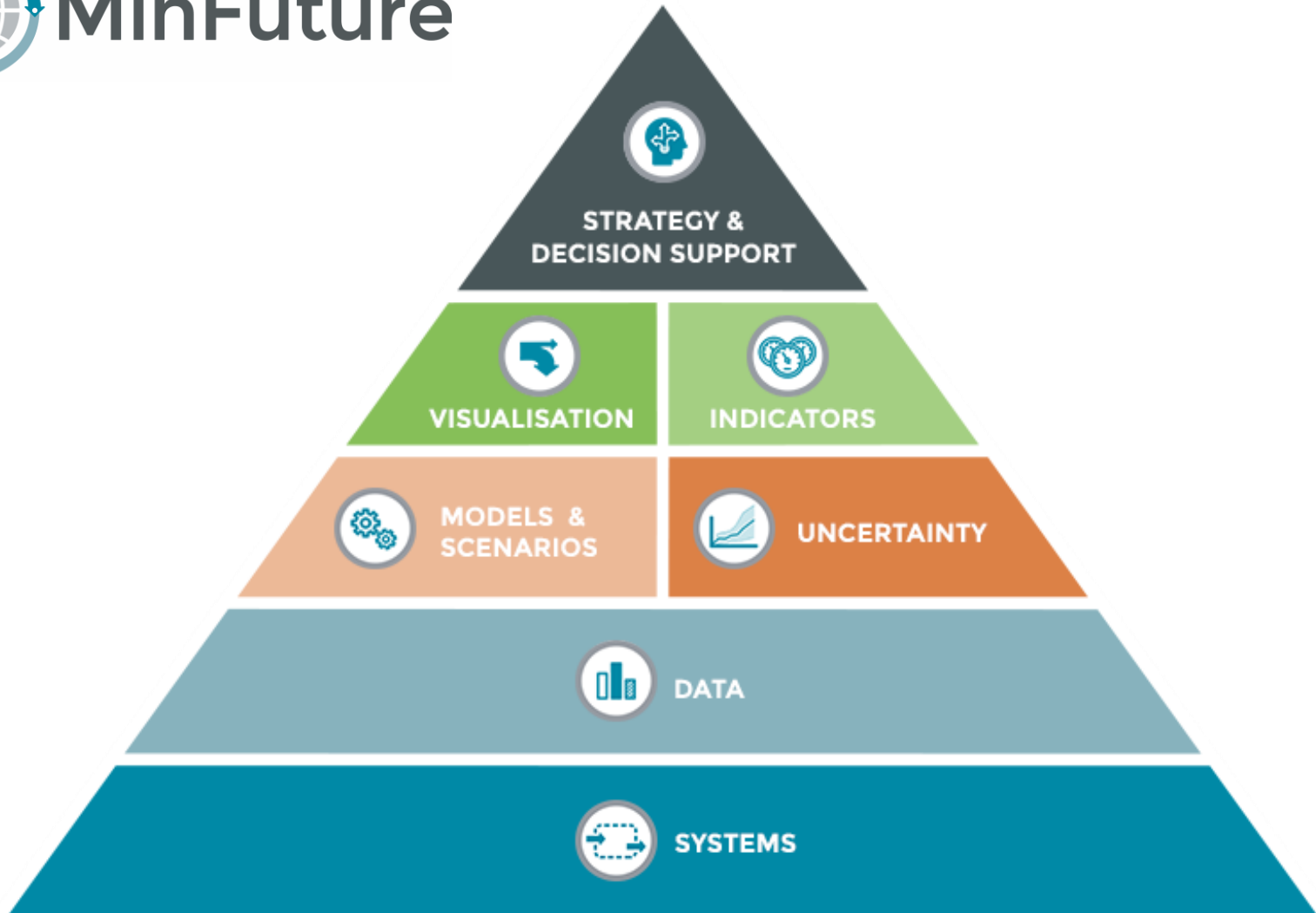


Demand-supply forecast and raw materials flows at global level





MinFuture





83 M€ in 2019

Innovation Actions (IA)	TRL 6-7	8-13 M€	30M€	CE-SC5-07-2018-2019-2020: Raw Material Innovation for the Circular Economy: Sustainable processing, reuse, recycling and recovery
				<ul style="list-style-type: none"> a) Sustainable processing and refining of primary and/or secondary raw materials b) Recycling of raw materials from end-of-life products c) Recycling of raw materials from buildings d) Advanced sorting systems for high-performance recycling of complex end-of-life products
			20M€	SC5-10-2019-2020 - Raw materials innovation actions
				<ul style="list-style-type: none"> a) Integrated exploration solutions b) Services and products for the extractive industries life cycle
Research & Innovation Actions (RIA)	TRL 3-6	3-7 M€	30M€	SC5-09-2018-2019: Sustainable production of raw materials
				<ul style="list-style-type: none"> b) Digital mine c) Recovery of metals and minerals from sea resources
Coordination & Support Actions (CSA)	Up to 3 M€		3M€	CE-SC5-08-2018-2019-2020: policy support actions
				<ul style="list-style-type: none"> c) Responsible sourcing in global value chains



Horizon Europe

Specific objectives of the Programme

