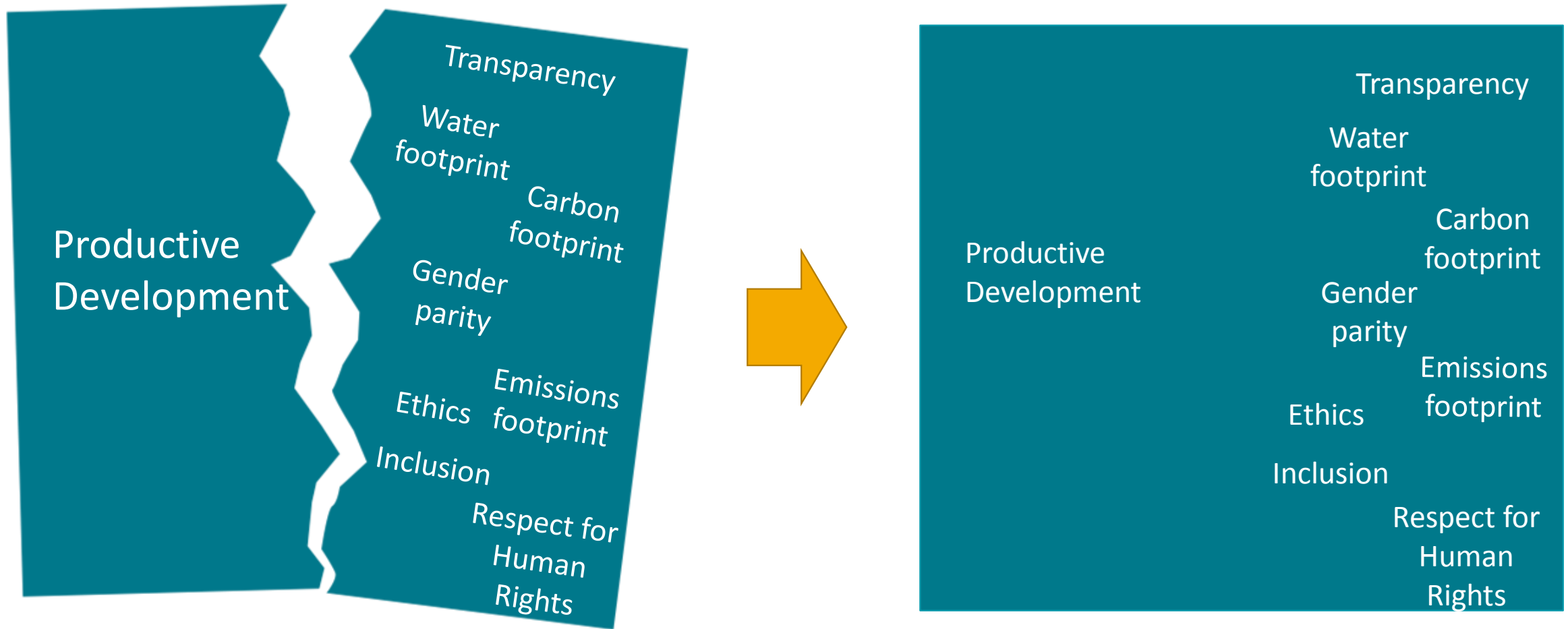


RESPONSIBLE COPPER



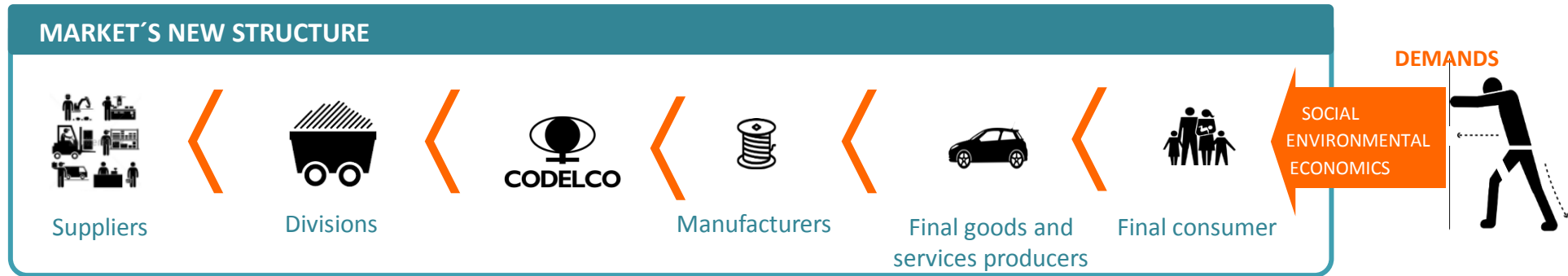
CODELCO

TRADE OFF?



THE COPPER VALUE CHAIN

MARKET TRENDS ARE REFLECTED ACROSS THE VALUE CHAIN



Through their purchase decision, consumers push back the value chain, which is why suppliers are required to offer **more sustainable raw materials**.

CODELCO'S COMERCIAL NEED

COPPER MARKET TRENDS

The main **productive sectors** that consume copper have certification plans and systems that **contain sustainability indicators**.



Electricity y electronics (8.900 kt/año)

Environmental report & Eco -labelling
Made in China 2025



Construction (7.000 kt/año)

Made in China 2025
Leed Certification



General Products (2.250 kt/año)

Eco-labelling



Transportation (2.620 kt/año)

Electromobility vs. Fossil Fuels
End of life Directive (ELD)

And our customers demand us...

Audit Requirements



ThyssenKrupp



METALOR®

TOYOTA



HSEC

Labour conditions

Declaration of
Human Rights

Anti-bribery Codes

Transparency Codes

Legal Compliance

Responsible Production

Environmental certifications

...

Source: Own elaboration, International Copper Association and WoodMackenzie.

INDUSTRY'S RESPONSE TO NEW MARKET CONDITIONS

"Cobre Verde" must be the future of mining in Chile



The generation of sustainable products must be accompanied by a clean production in the mining processes (Oscar Landerretche, CESCO Shanghai 2017 and CESCO Santiago 2018).

BHP will reduce fresh water consumption by 100% in Chile by 2030



By 2030, BHP contemplates the integrated management of water resources in all its operations, and eliminating the consumption of fresh water in its operations in Chile (Malchuk, CESCO 2018).

Anglo American will cut Greenhouse Emissions (GHG) 30% by 2030



Anglo American is pursuing community development, reducing its impact on environment and improving transparency within the mining industry.

Companies manufacture products aligned with new trends



Main users of aluminum are driving the demand for a cleaner and greener metal. Rio Tinto certified its product "RenewAL", within the Aluminium Sustainable Initiative (ASI)

CODELCO'S RESPONSE TO NEW MARKET CONDITIONS

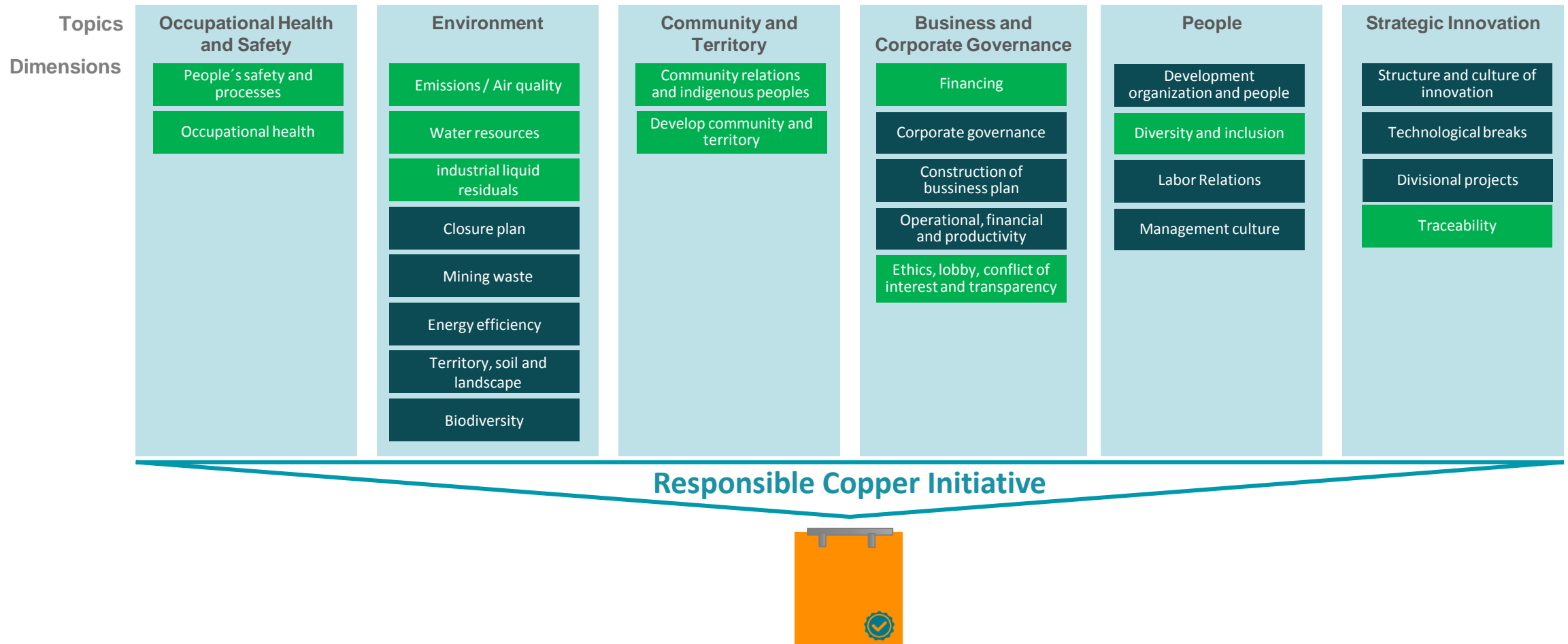


The Sustainability Master Plan launched in 2016



CODELCO'S DISTINCTIVE SEAL

The Responsible Copper Initiative, within Codelco, put emphasis on a number of strategic dimensions included in the Sustainability Master Plan in order to develop a distinctive seal in the industry.








CODELCO'S RESPONSIBLE COPPER

Seeks to articulate the copper value chain to respond effectively to the requirements of the market and society, through a system of traceability in all its stages and thus achieve sustainable and responsible practices.



8 DIMENSIONS

-  Emissions footprint
-  Water footprint
-  Carbon footprint
-  Respect for Human Rights
-  Health and occupational safety
-  Impact on communities and territories
-  Transparency, ethics and compliance
-  Inclusion and gender parity

3 Partnerships (to date)











 nexans

 MITSUI & CO.

CODELCO'S RESPONSIBLE COPPER



Key Sustainable Indicators Preliminary Definition

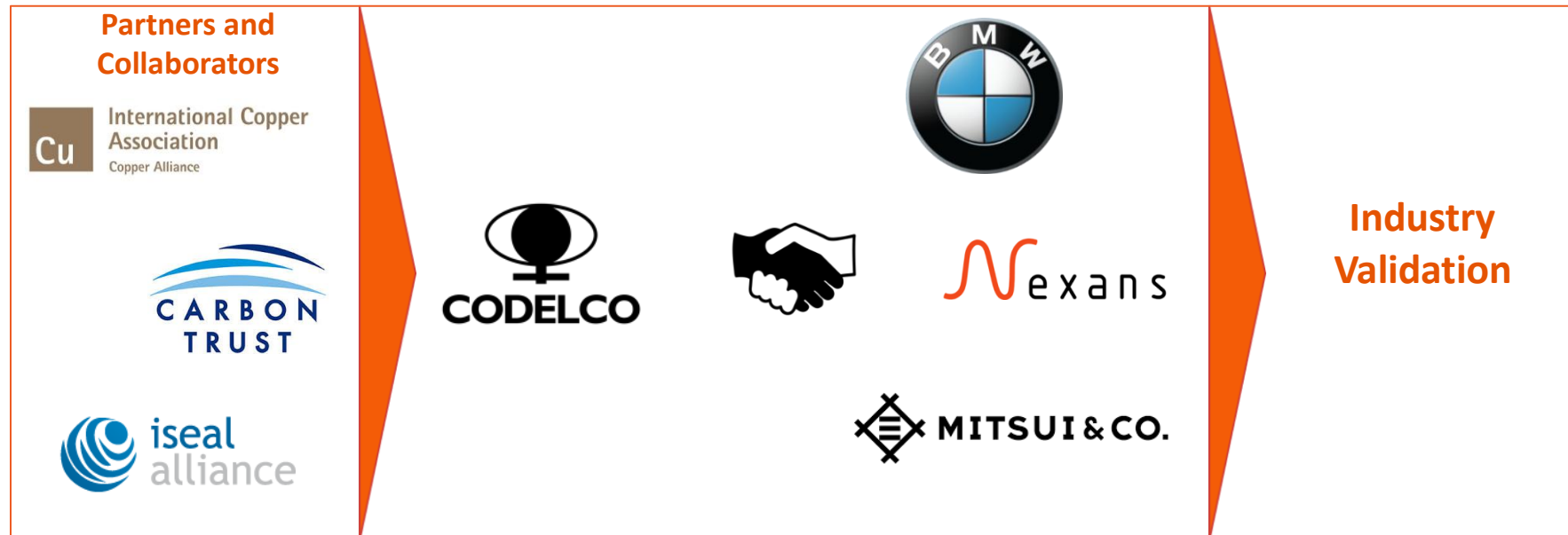
Dimension	Current Standard or Initiative?	Standard/Initiative	Key Sustainable Indicators	
 Health and Occupational Safety	YES	GRI, ASI, RJC, IRMA, ICMM	<ul style="list-style-type: none"> Frequency Rate (FR) Accident rate FR reduction target Evaluation Impacts on health 	<ul style="list-style-type: none"> Training and information on occupational health Emergency procedures
 Community and Territory	YES	GRI, ASI, RJC, IRMA	<ul style="list-style-type: none"> Number of significant events on the environment Reduction of significant events target Reconciliation plans 	<ul style="list-style-type: none"> Periodic reports on impacts and mitigations Deposit closure plan Impact evaluation
 Transparency, Ethics and Compliance	YES	GRI, ASI, RJC, IRMA, ICMM, OCDE	<ul style="list-style-type: none"> Disclosure of environmental judgments Code of ethics 	<ul style="list-style-type: none"> Sustainability report Compliance system
 Inclusion and Gender Parity	YES	GRI, RJC	<ul style="list-style-type: none"> Female participation Indigenous participation 	<ul style="list-style-type: none"> Non-discrimination code
 Respecto for Human Rights	YES	GRI, ASI, RJC, IRMA	<ul style="list-style-type: none"> Signature of voluntary principles of security and human rights Freedom of unionization and collective bargaining 	<ul style="list-style-type: none"> License to operate of indigenous groups Participation of all stakeholders Prevention and risk mitigation
 Water Footprint	YES	ASI, IRMA	<ul style="list-style-type: none"> fresh water use rate Fresh water reduction plans 	<ul style="list-style-type: none"> Recirculation rate Reports and monitoring
 Carbon Footprint	YES	ASI, RS	<ul style="list-style-type: none"> GHG total emissions 	<ul style="list-style-type: none"> GHG reduction target
 Emissions Footprint	YES	GRI, RJC	<ul style="list-style-type: none"> SO2 and As emissions Potential of acidification Hazardous substances control 	<ul style="list-style-type: none"> Energy consumption Renewal sources Energy efficiency goals

RESPONSIBLE COPPER INITIATIVE (RCI)

For the **final product** to be indeed sustainable, recognized, valued and **PREFERRED**, an **integration of the value chain** is required.

RCI

Multi-stakeholder



CODELCO is a relevant actor to articulate the entire chain.

RESPONSIBLE COPPER



CODELCO