The conference is partly financed by the European Union

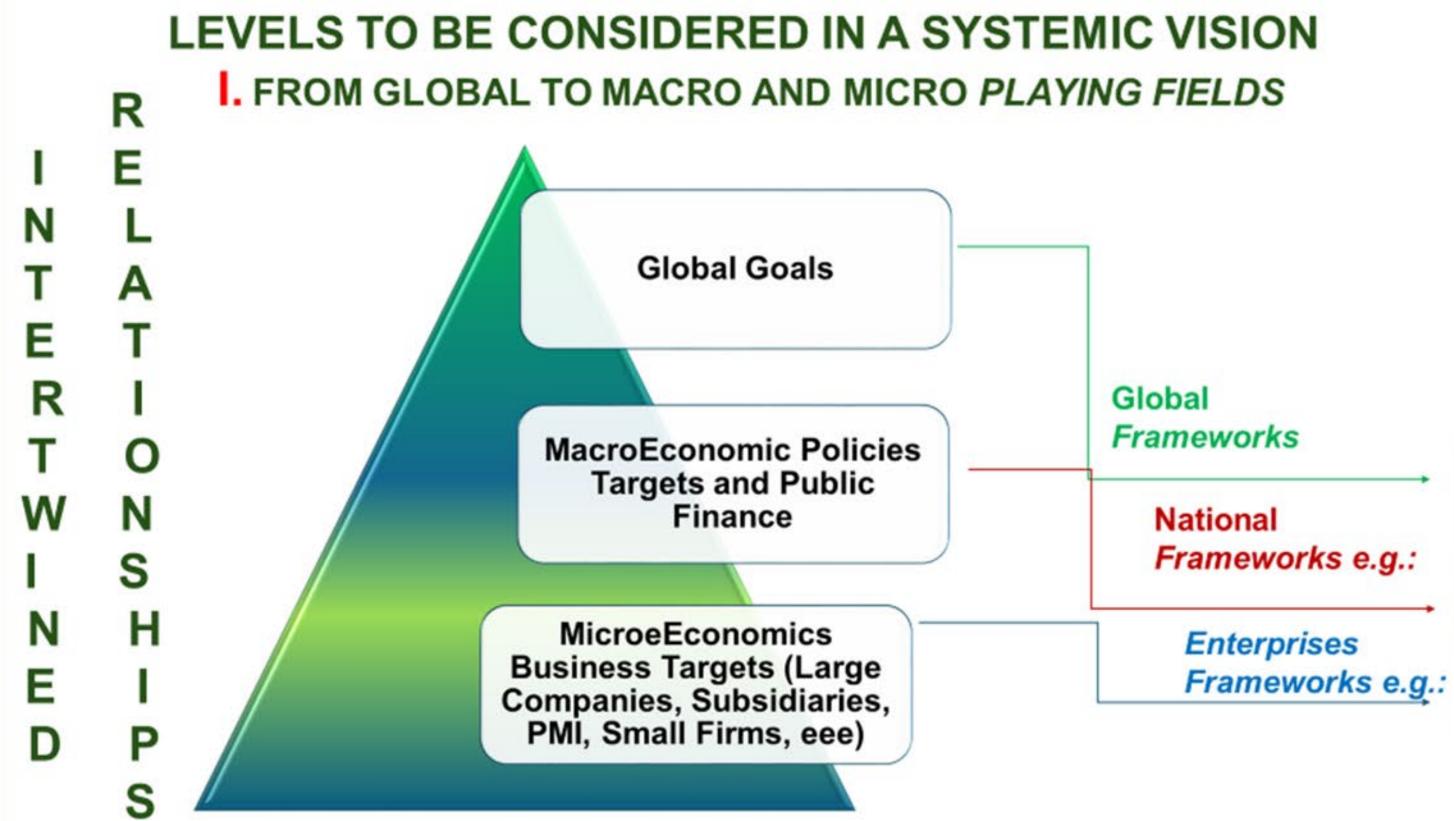
## REFLECTIONS ON ESG DATA QUALITY STRATEGY FOR SUSTAINABLE DEVELOPMENT An Integrated Value at Risk Approach

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The path towards the Sustainable Development Goals set by Agenda 2030, given the now short time horizon of reference, highlights challenges requiring innovations in data production, management and interpretation, to improve, at each level, a Systemic Vision in identifying and analysing phenomena, linked to the multiple dimensions of Sustainability. Systemic Vision is strategic to neutralize misleading green-blue-....washing phenomena, and to effectively and efficiently converge on the whole system of intermediate and interrelated targets at all decision making levels: Institutional, Public and Private, Individual, Small and Large Businesses. Hence, the importance of strengthening the role of Official Statistics.







MAIN FRAMEWORKS CONSIDERED FROM AN ESG CRITERIA PERSPECTIVE (SUSTAINABLE FINANCE)

	Goals	Targets	Domains	Missions	Components	Measures	Sub Measures	Standards	Items	Indicators
MDGs (2015)	8	21								60
SDGs (2030)	17	169								247
BES			12							152
PNRR				X	xx	XXX	XXX			xx
GRI*								33	87	395
* 200-3	00-400									

**Environmental - Social - Governance CRITERIA** 



## II. FROM DECISION MAKING TO FINAL DISCLOSURES IN EACH PLAYING FIELD

One of the most challenging aspects of the SDGs framework in relation to data quality, concerns the high degree of intertwined relationships between goals and between intermediate targets relating to the different and complex dimensions of Sustainability.

The no standardized application of several frameworks, models and tools adopted at different decision making levels for implementing, monitoring, evaluating and reporting actions towards Sustainable Goals, make scenarios more complex, to produce robust and consistent data analyses.

HOW TO GOVERN COMPLEXITY AND MEGA-DATASETS FROM DIFFERENT SOURCES ALSO PRODUCED FOR DIFFERENT AIMS?

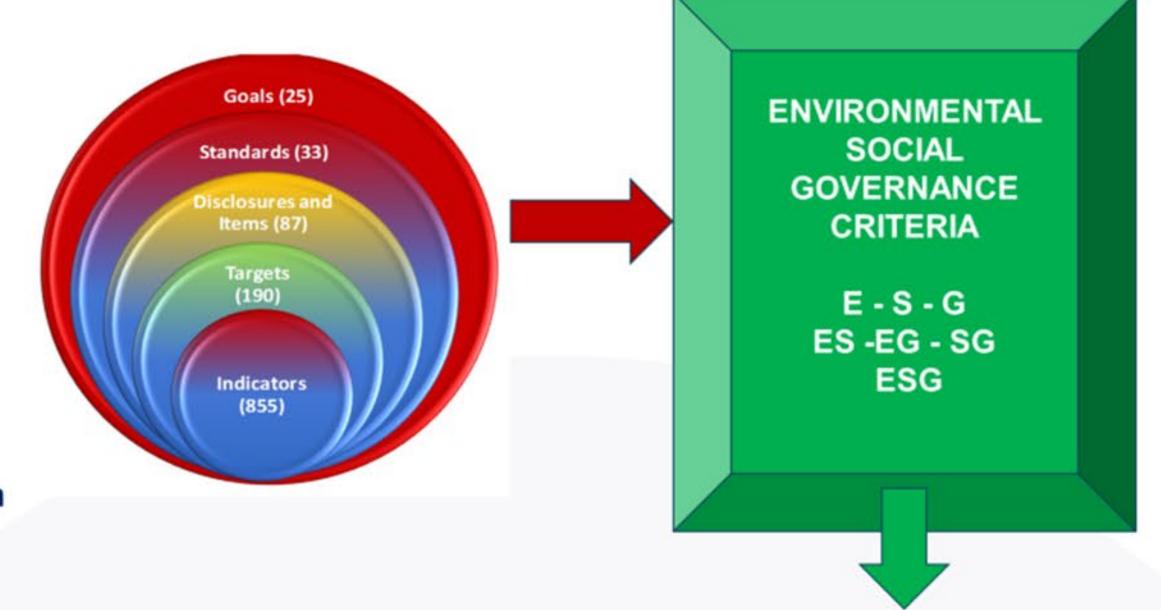
Classification proposal, based on individual E-S-G- Criteria and on their possible Combination ES-EG-SG-ESG. Interesting areas of correlation or combination between drivers

First study Results for points I. – II. «A COMPARISON BETWEEN SUSTAINABILITY FRAMEWORKS: AN INTEGRATED READING THROUGH ESG CRITERIA FOR **BUSINESS STRATEGIES AND** ENTERPRISE RISK MANAGEMENT»

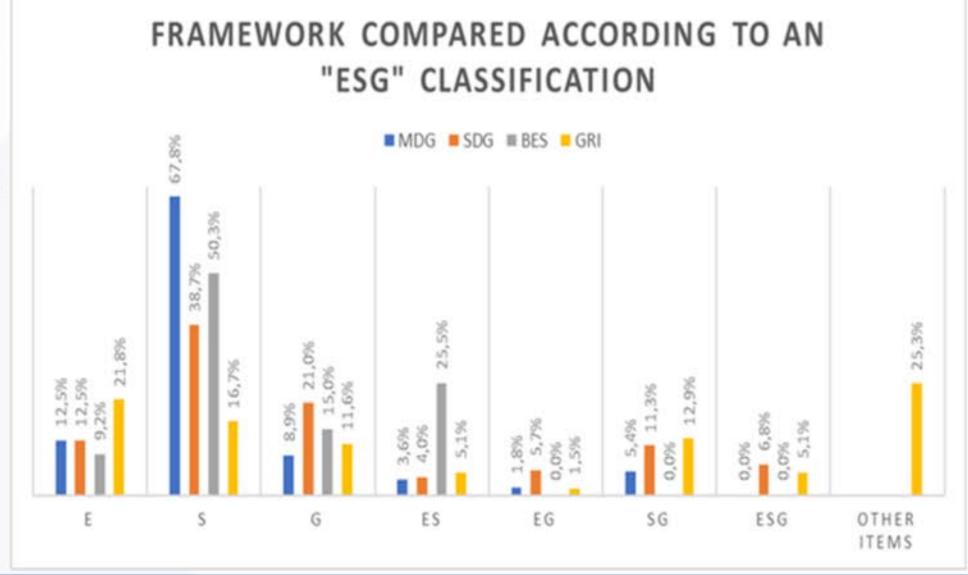
ESG Criteria application to Data Mapping and Classification, for producing integrated Statistics about Sustainability

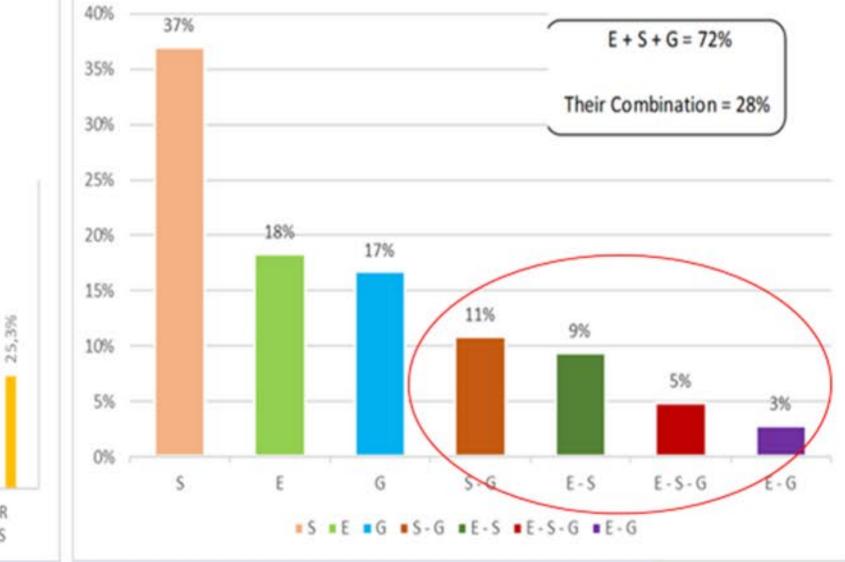
It is strategic to develop integrated and balanced ECOSYSTEM of analytical data in compliance with data quality principles, similarly to the development processes and methods typical of wide experienced Value at Risk approach.

Opportunity to adopt ESG criteria and their combinations to develop an integrated datawarehouse for the different dimensions of Sustainability comprehensive of the financial ones according to a Medium-Long term vision



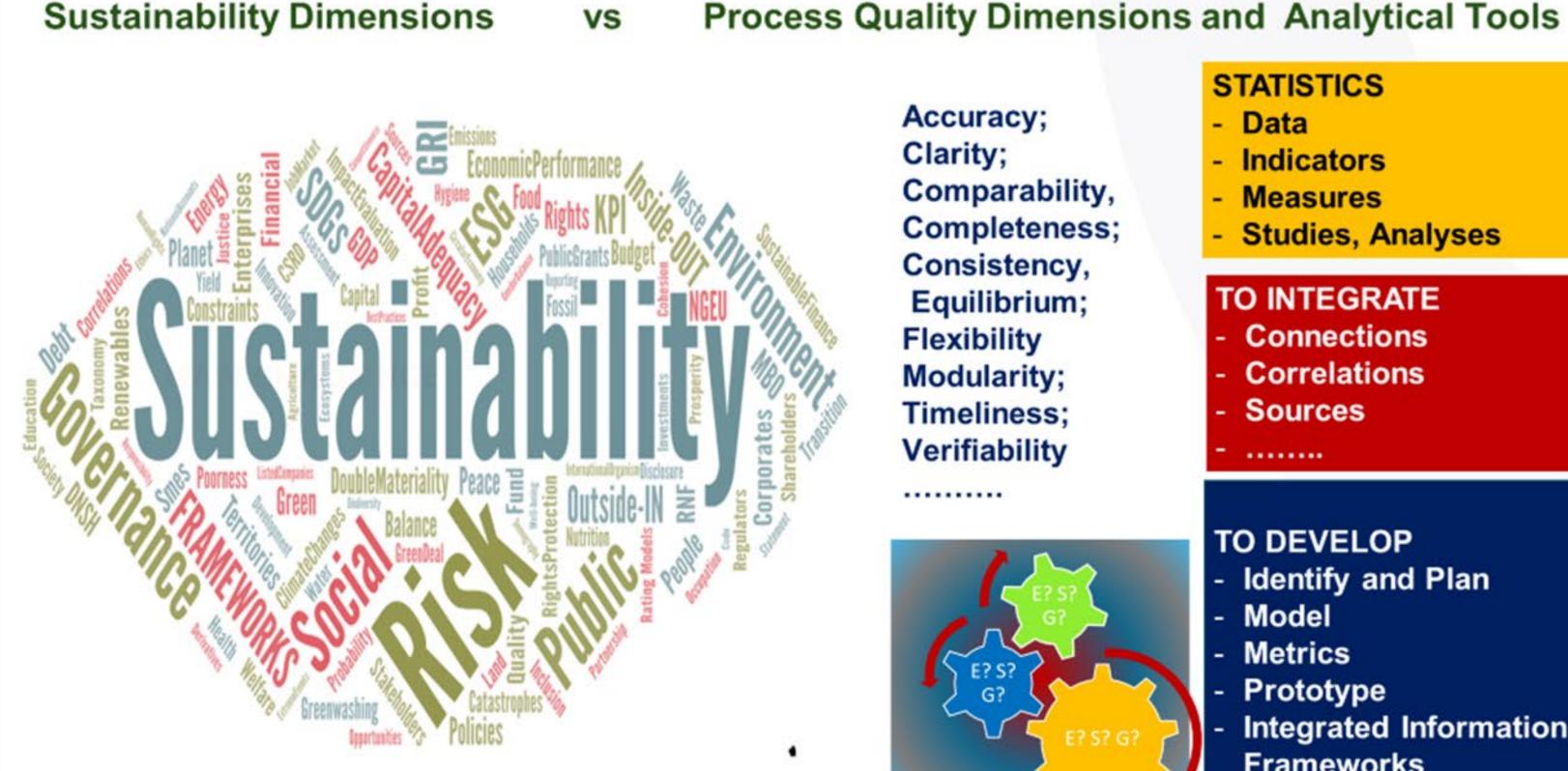
## ESTIMATION OF WEIGHTS AND CORRELATED ITEMS IN FRAMEWORKS CONSIDERED $\rho > 0 \rho < 0$





## III. CHALLENGES «SUSTAINABLE DATA (and Tools) FOR SUSTAINABLE DEVELOPMENT»

TO DETERMINE DOUBLE MATERIALITY MATRIXES to analyse and evaluate both Inside - Out and Outside - In with positive and negative Impacts, related to all Sustainability Risk Drivers (non financial and financial ones).



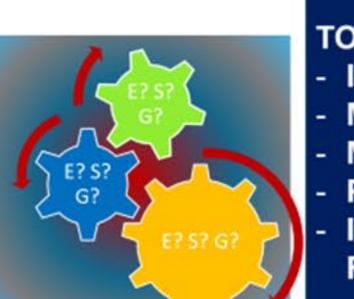
Accuracy; Clarity; Comparability,

Completeness; Consistency, Equilibrium; Flexibility Modularity; Timeliness; Verifiability

Indicators Measures Studies, Analyses TO INTEGRATE Connections Correlations Sources

**STATISTICS** 

Data



TO DEVELOP **Identify and Plan** Model

**Metrics** Prototype **Integrated Information** Frameworks

