

ECR Training

EY Greece | Supply Chain & Operations - Climate Change
and Sustainability Services

April 2024



Create more value, make a **measurable**
difference, and **accelerate** the transition
to a fair and sustainable future.

Module 1 - Understanding Sustainable Development, ESG and CSR; definitions, overlaps and misinterpretations

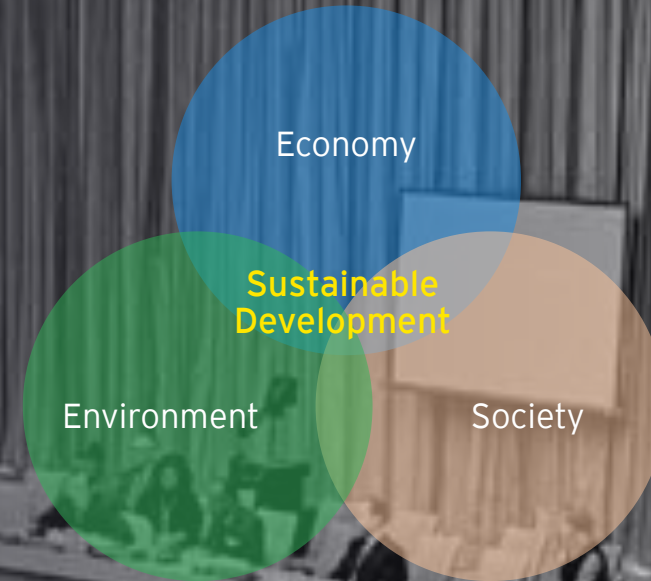


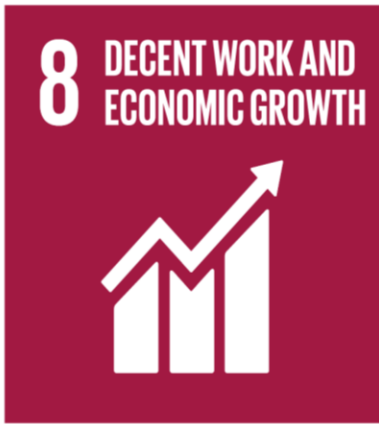
Create more value, make a **measurable** difference, and **accelerate** the transition to a fair and sustainable future.

“

Sustainable development is development that meets the needs of the present without compromising the ability of future generations to meet their own needs.

World Commission on Environment
Brundtland Report
Rio de Janeiro, Brazil
1987







Defining ESG

How do we move from global sustainability challenges to company specific ESG factors?



Sustainable Development encompasses a set of **global interconnected socioeconomic and environmental challenges** that change over time and **affect** directly or indirectly **the entirety of economies, societies, and the natural environment**, at all levels including nations, sectors, companies and individuals.

ESG is a set of sector and **organization specific** socioeconomic, governance and environmental factors and KPIs, that are based on the **principle of materiality**, which reflect:

- 1) the most significant impacts that sustainable development brings to the specific organization
- 2) as well as the most significant impacts that the specific organization's business model creates across its value chain, to people/stakeholders, the economy, and the natural environment



Defining Corporate Social Responsibility

The European Commission's definition for CSR

“the responsibility of enterprises for their impacts on society”

Although there is no "one-size-fits-all" and for most small and medium-sized enterprises the CSR process remains informal, complying with legislation and collective agreements negotiated between social partners is the basic requirement for an enterprise to meet its social responsibility.

Beyond that, enterprises should, in the Commission's view, have **a process in place to integrate** social, environmental, ethical human rights and consumer concerns **into their business operations and core strategy** in close cooperation **with their stakeholders**. The aim is:

- to maximise the creation of **shared value**, which means to create returns on investment for the company's shareholders at the same time as ensuring benefits for the company's other stakeholders;
- to identify, prevent and mitigate possible **adverse impacts** which enterprises may have on society.


Important features of the new definition are:

- **Recognition of the importance of core business strategy**. This is consistent with the approach taken by leading enterprises for whom social responsibility and sustainability have become an integral part of the business model. The Commission's 2008 competitiveness report concluded that CSR is most likely to contribute to the long-term success of the enterprise when it is fully integrated into business strategy.
- Development of the concept of **“creating shared value”**. This refers to the way in which enterprises seek to generate a return on investment for their owners and shareholders by means of creating value for other stakeholders and society at large. This links CSR strongly to innovation, especially in terms of developing new products and services that are commercially successful and help to address societal challenges.
- Explicit recognition of Human rights and ethical considerations in addition to social, environmental and consumer considerations.

Module 2: Drivers and enablers; the business case for sustainable development



Create more value, make a **measurable** difference, and **accelerate** the transition to a fair and sustainable future.



A. Mounting regulations

Corporate Sustainability Reporting Directive (CSRD)

Sustainability Developments: CSRD

Corporate Sustainability Reporting Directive (CSRD) - WHY & WHO

On 16 December 2022, the Corporate Sustainability Reporting Directive (CSRD), which amends the existing Non-Financial Reporting Directive (NFRD), was published in EC official journal

- ▶ Aims to align sustainability reporting with financial reporting.
- ▶ Consistent sustainability reporting by companies, so that various stakeholders can use comparable and reliable sustainability information.

~50,000


Companies will perform detailed sustainable reporting compared with the current 11,600 companies within the scope of the NFRD.


NFRD

Large public interest entities with > 500 employees

Public interest entities are:

Listed companies





Banks & Insurance companies

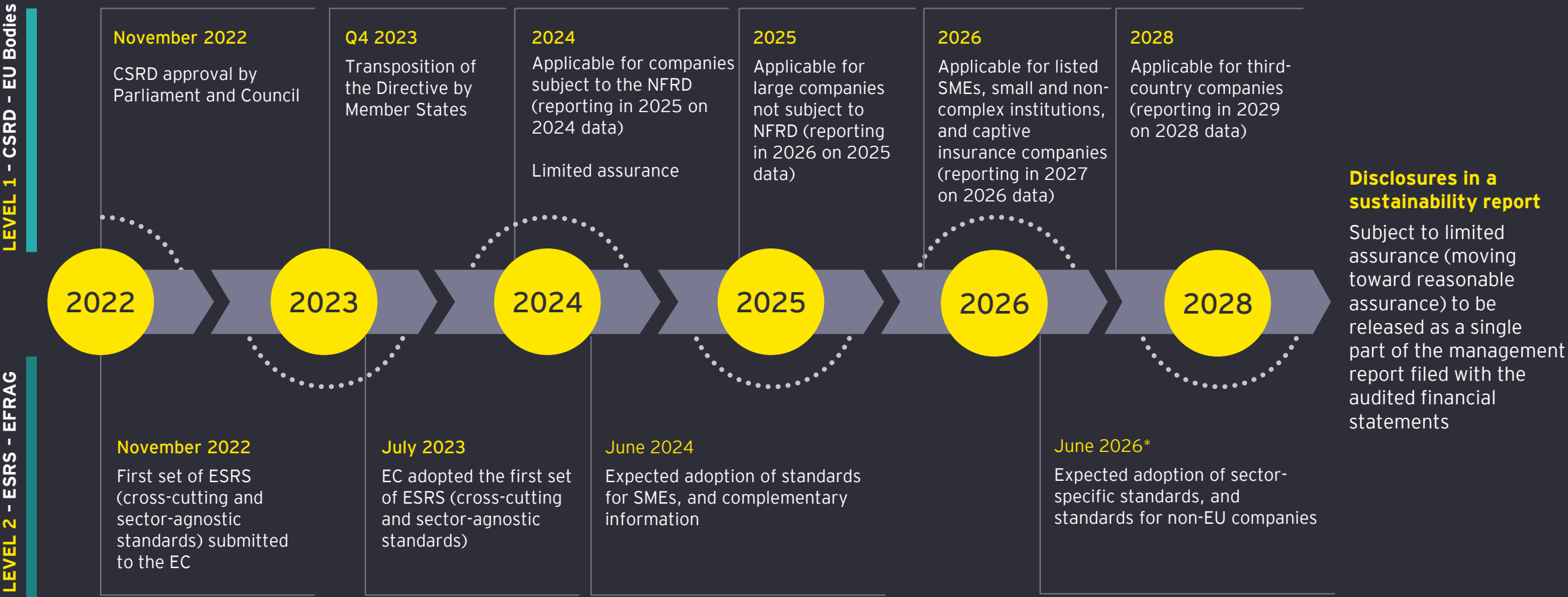
CSRD

- > 250 employees and/or
- > 50 m Turnover and/or
- > 25 m Total assets

Listed companies > 10 employees, includes SMEs

Non-EU companies with substantial activity in EU (> 150 m turnover), and at least one subsidiary or branch in the EU

Timeline CSRD and ESRS



*The European Parliament and Council of EU member states confirmed in the agreement reached on 7 February 2024, that the Commission should endeavour to adopt eight of the sector-specific ESRS as soon as they are ready, particularly in the case of oil, gas and mining sectors. Companies need to monitor the development of sector-specific standards that are relevant to their business, so that they are prepared to apply these standards after they are adopted.

A. Mounting regulations

EU Taxonomy

Scope of application: entities subject to taxonomy reporting



Companies subject to the Non-Financial Reporting Directive (NFRD)

“This regulation applies to undertakings which are subject to the obligation to publish a non-financial statement or a consolidated non-financial statement pursuant to Article 19a or Article 29a of Directive 2013/34/EU of the European Parliament and of the Council”

(Regulation 2020/852 - “Taxonomy regulation” - Article 1)

Conditions to be met:

1. Large undertakings which are Public Interest Entities (PIE)
2. >500 employees (consolidated)




Relevance to companies:


- Due to the **CSRD**, these obligations will also apply to non-capital market-oriented companies.
- Independent of the applicability of regulatory (NFRD or CSRD) reporting requirements, **banks and investors will increasingly require taxonomy relevant information from companies** in order to fulfill their sustainable finance obligations.

Classification principles of a sustainable activity according to EU Taxonomy


Six Environmental Objectives




Climate change mitigation (CCM)




Climate change adaption (CCA)




Sustainable use of water and marine resources



Circular economy



Pollution prevention



Healthy Ecosystems

Four level test

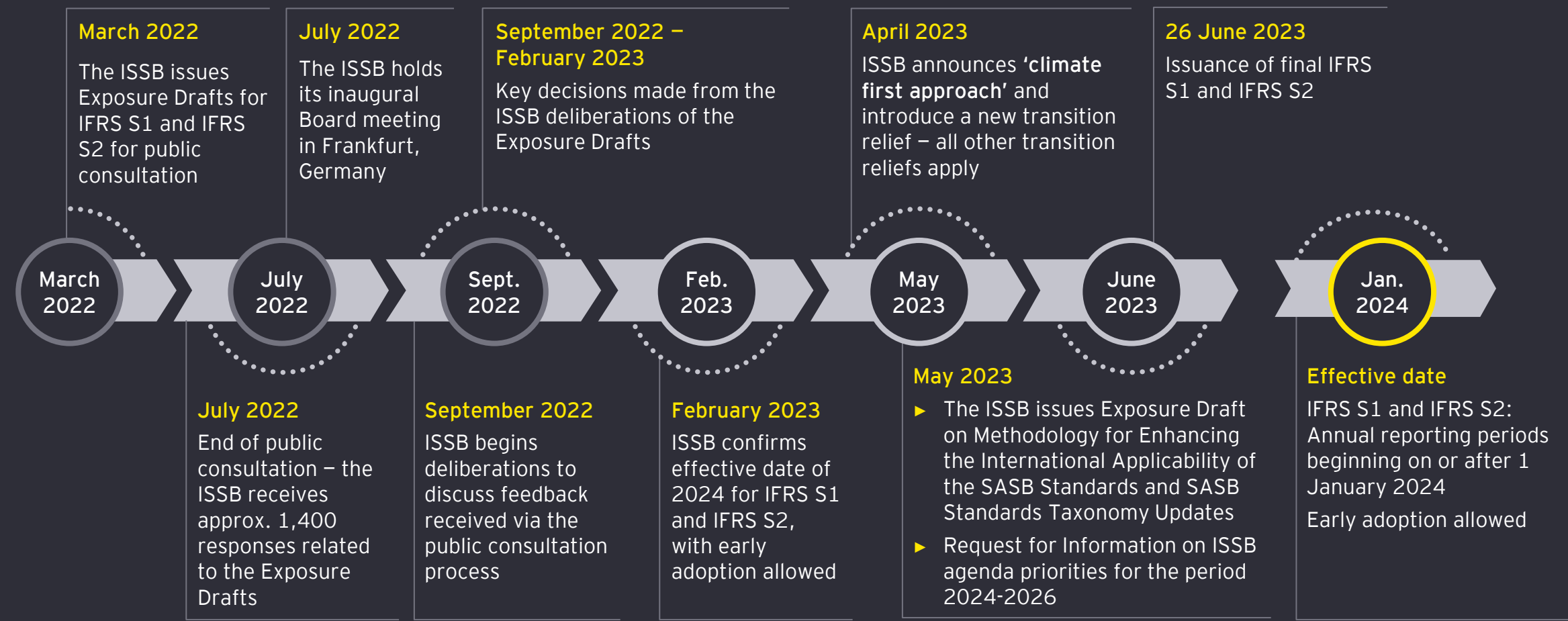
To be classified as **sustainable**, an **economic activity** must:

Eligibility	Be taxonomy-eligible
Substantially contribute	Substantially contribute to at least one of the six environmental objectives
Do no significant harm	Do no significant harm (DNSH) to the other environmental objectives
Minimum-safeguards	Comply with minimum social safeguards (e.g. OECD guidelines)


A. Mounting regulations

IFRS / ISSB

Timeline ISSB



IFRS S1: General Requirements for Disclosure of Sustainability-related Financial Information
IFRS S2: Climate-related Disclosures
SASB: Sustainability Accounting Standards Board



A. Mounting regulations

Corporate Sustainability Due Diligence Directive (CSDDD)

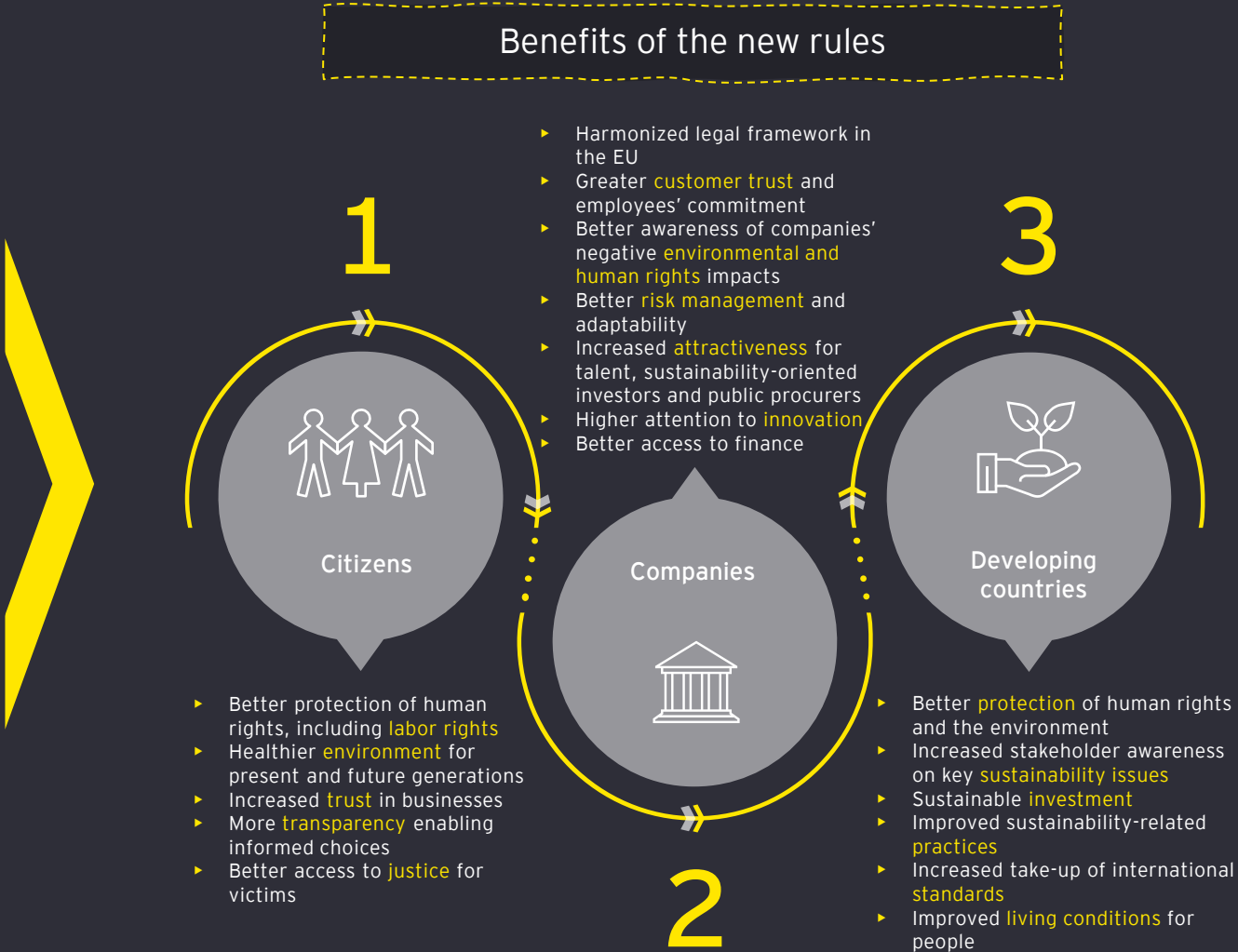
Corporate Sustainability Due Diligence Directive (CS3D)

Objective of the Directive:

The proposal aims to foster sustainable and responsible corporate behaviour throughout global value chains.

The proposal sets out a corporate due diligence duty to identify, prevent, bring to an end, mitigate and account for adverse human rights and environmental impacts in the company's own operations, its subsidiaries and their value chains.

It builds on the UN's Guiding Principles on Business and Human Rights and OECD Guidelines for Multinational Enterprises and responsible business conduct and is in line with internationally recognized human rights and labor standards.



A. Mounting regulations

National Climate Law

Βασικοί Στόχοι του Εθνικού Κλιματικού Νόμου



Μακροπρόθεσμος στόχος

Το αργότερο έως το έτος 2050 η Ελλάδα θα καταστεί κλιματικά **ουδέτερη**, το οποίο σημαίνει ότι οι εκπομπές των αερίων του θερμοκηπίου με τις απορροφήσεις αυτών θα έχουν ισοσκελιστεί έως το έτος **2050**

Ενδιάμεσοι στόχοι

2030

Επιδιώκεται μείωση καθαρών ανθρωπογενών εκπομπών κατά **55%** σε σχέση με το 1990 (λαμβάνοντας υπόψη τις προβλέψεις του Εθνικού Σχεδίου για την Ενέργεια και το Κλίμα (ΕΣΕΚ))

2040

Επιδιώκεται μείωση καθαρών ανθρωπογενών εκπομπών κατά **80%** σε σχέση με το 1990 (λαμβάνοντας υπόψη τις προβλέψεις του ΕΣΕΚ)

Ο προϋπολογισμός άνθρακα ως το εργαλείο παρακολούθησης της πορείας επίτευξης των κλιματικών στόχων

Το άθροισμα του συνόλου των τομεακών προϋπολογισμών άνθρακα ισούται με τον συνολικό προϋπολογισμό άνθρακα της χώρας για την αντίστοιχη χρονική περίοδο





Τι πρέπει να κάνουν οι επιχειρήσεις

1

Ανάλυση Ανθρακικού Αποτυπώματος



- Κατανόηση Επιχειρησιακών ορίων δραστηριότητας
- Υπολογισμός Ανθρακικού Αποτυπώματος (Scope 1 & 2) έτους βάσης 2019 ή/και έτους αναφοράς 2022 σύμφωνα με το GHG Protocol ή το ISO 14064

2

Εντοπισμός των επιχειρησιακών Κλιματικών Κινδύνων & Ευκαιριών



- Ανάλυση κινδύνων και ευκαιριών από την κλιματική αλλαγή
- Θέσπιση βραχυπρόθεσμων και μέσο/μακροπρόθεσμων μέτρων αντιμετώπισης των κινδύνων και αξιοποίησης των ευκαιριών

3

Ανάπτυξη Στρατηγικής Απανθρακοποίησης



- Θέσπιση στόχων μείωσης εκπομπών 30% από το 2019
- Θέσπιση ετήσιων εθελοντικών στόχων από το 2022
- Θέσπιση δράσεων μείωσης ή/και αντιστάθμισης εκπομπών

4

Επικοινωνία Κλιματικών Επιδόσεων



- Εκπόνηση έκθεσης ανθρακικού αποτυπώματος για δραστηριότητες και κατάθεση στην αδειοδοτούσα αρχή
- Εκπόνηση και ανάρτηση έκθεσης ανθρακικού αποτυπώματος στην πλατφόρμα του Ο.ΦΥ.ΠΕ.Κ.Α.



Consumers' & stakeholders' expectations

Today's consumer products industry is often linear by design with negative impact on humans, nature & economy

One in two

customers pay a higher price for products with a positive social and environmental impact within the supply chain.

Revenue from sustainable products grow about
6 Times
the rate of other products.

88%

of institutional investors revise their investments if companies do not address supply chain risks.

55%

of Greek industries has already applied Circular Economy practices

1/3

consumers in Greece prioritize sustainability in their buying decisions

21%

of consumers in Greece puts Planet first in their buying decisions

173 kg

of food is discarded per capita on an annual basis in the European Union

Sources:

- EY Future Consumer Index Greece 2023 "Σε ένα ρευστό περιβάλλον, ποιες στρατηγικές εξυπηρετούν καλύτερα τις καταναλωτικές ανάγκες;"
- EY Sustainable Value Study Greece 2023 "How can slowing climate change accelerate your financial performance?"
- EU Parliament " Tackling food waste: The EU's contribution to a global issue"
- ICCR Institute "Driving Revenue Growth Through Sustainable Products and Services" (2015)

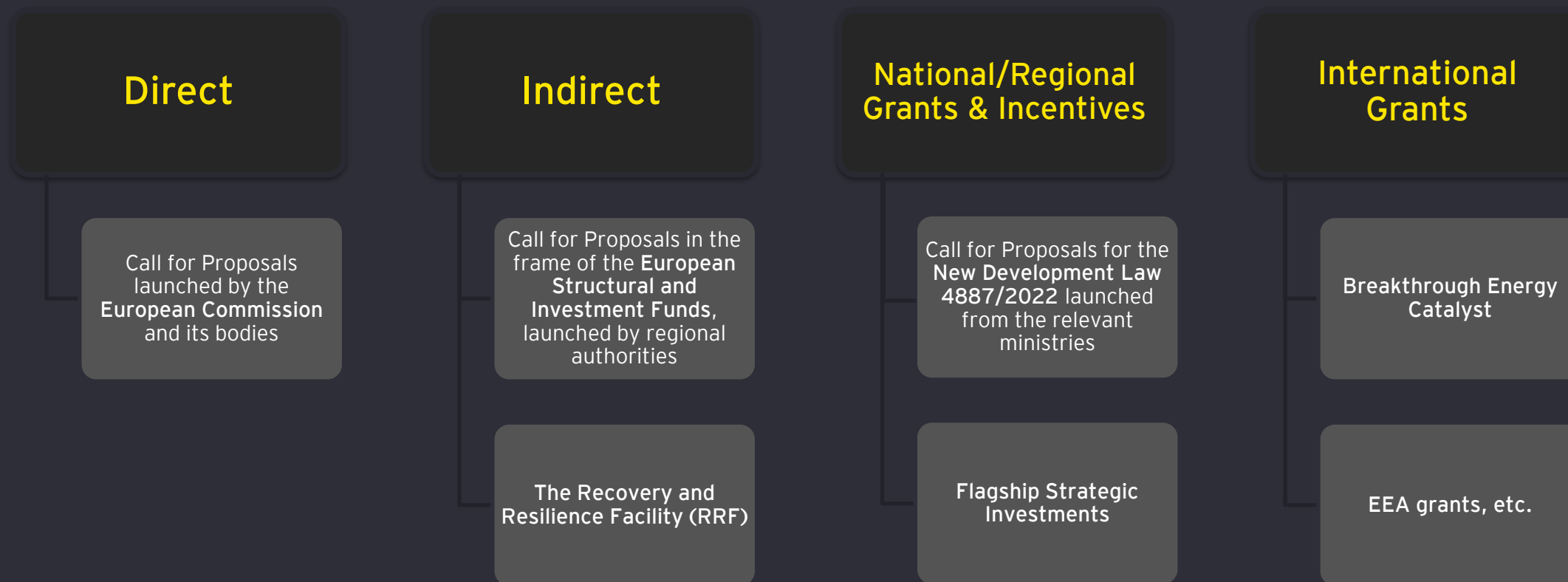


Sustainable Finance Access to Grants and Incentives

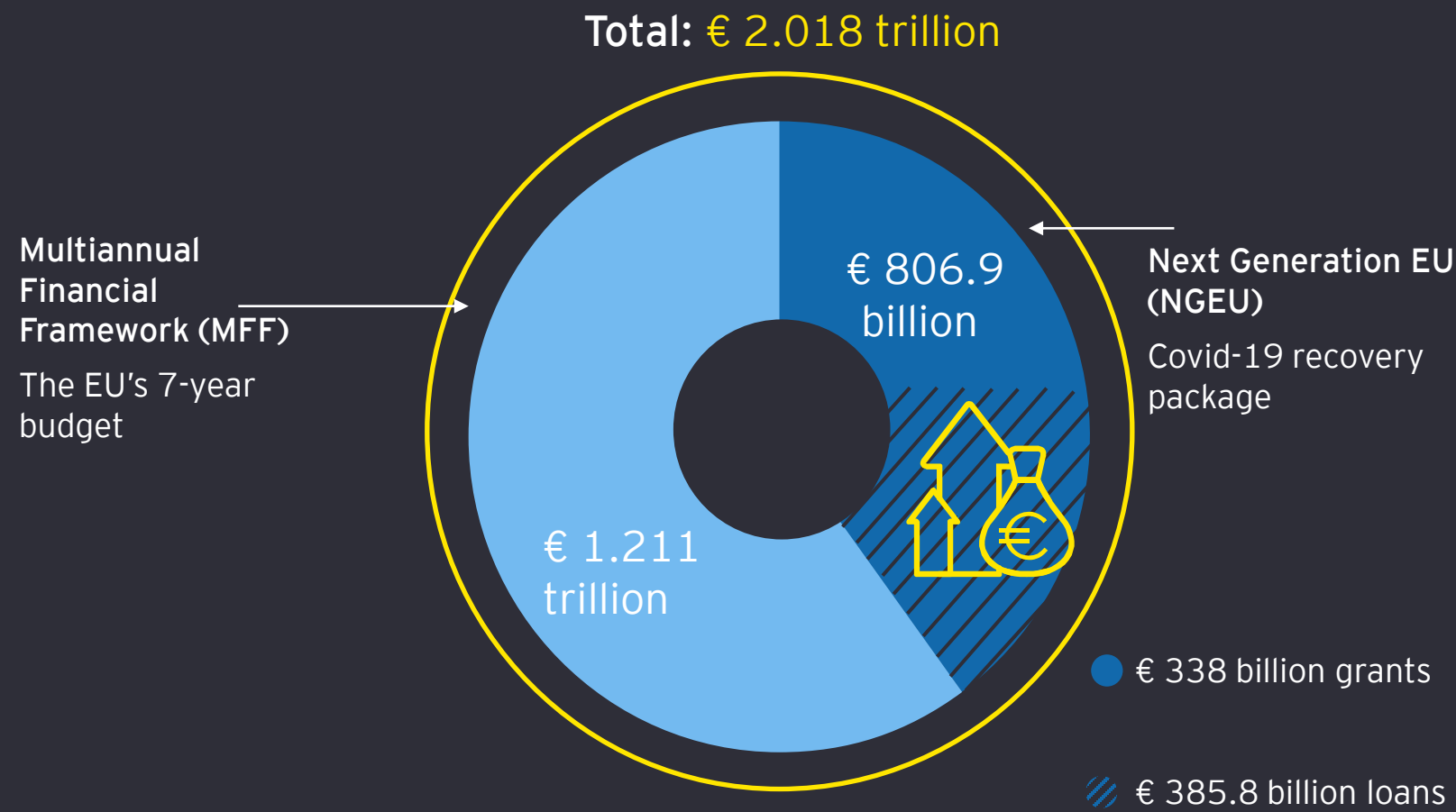
EU Funding Schemes



There are different types of EU funding: **direct** and **indirect funding**, as well as **national/regional state aid tools** and **international grants**. The allocation of direct funding is managed by the European institutions, while the allocation of indirect funding is managed by national and regional authorities.



Priorities of the MFF 2021-2027



Module 3 - Linking ESG with corporate strategy; an overview of double materiality



Create more value, make a **measurable** difference, and **accelerate** the transition to a fair and sustainable future.



Double materiality

Double materiality according to the European Sustainability Reporting Standards (ESRS)

The ESRS requires all companies within the scope of the Corporate Sustainability Reporting Directive (CSRD) to report on sustainability matters based on the **double materiality principle**

Double materiality has two dimensions:
Impact materiality and **financial materiality**
Impact materiality and financial materiality assessments are inter-related and the interdependencies between these two dimensions shall be considered.

A **sustainability matter** is 'material' when it meets the criteria defined for **impact materiality** or **financial materiality** or both



Double materiality according to the European Sustainability Reporting Standards (ESRS)

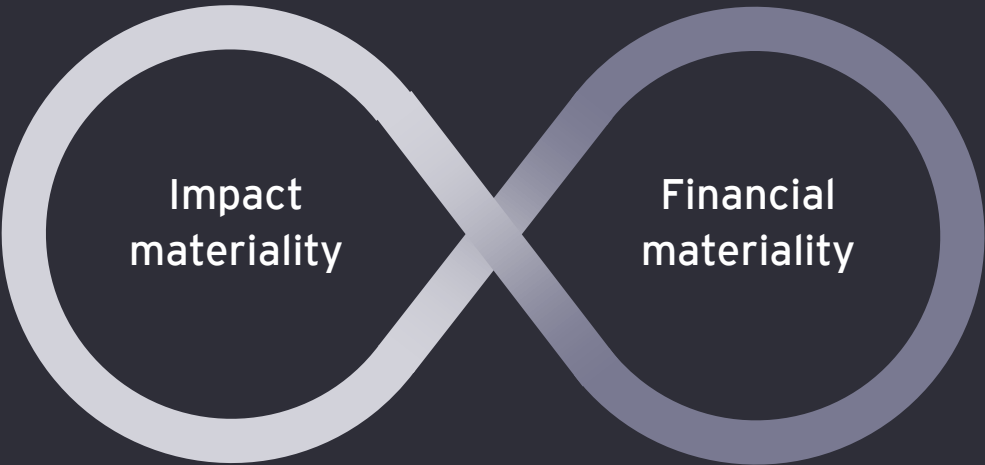
Impact Materiality

A sustainability matter is material from an **impact perspective** when it pertains to the company's material actual or potential, positive or negative impacts **on people or the environment** over the short, medium and long term.

The term “impacts” refers to positive and negative sustainability-related impacts that the undertaking has or could have **on the environment and people**, including effects on their human rights, connected with its own operations and upstream and downstream value chain, including **through its products and services, as well as through its business relationships**. Business relationships include those in the undertaking's upstream and downstream value chain and are not limited to direct contractual relationships.

Impacts are captured by the impact materiality perspective irrespective of whether or not they are financially material.

Impacts indicate the undertaking's contribution, negative or positive, to sustainable development.



In general, the starting point is the assessment of impacts, although there may also be material risks and opportunities that are not related to the undertaking's impacts (i.e. The undertaking shall consider how it is affected by its dependencies on the availability of natural, human and social resources at appropriate prices and quality, irrespective of its potential impacts on those resources)

In identifying and assessing the impacts, risks and opportunities in the undertaking's value chain to determine their materiality, the undertaking shall focus on areas where impacts, risks and opportunities are deemed likely to arise, based on the nature of the activities, business relationships, geographies or other factors concerned.


Financial Materiality

A sustainability impact may be financially material from inception or become financially material, when it could reasonably be expected to affect the undertaking's:

- financial position
- financial performance and development
- cash flows
- its access to finance
- or cost of capital

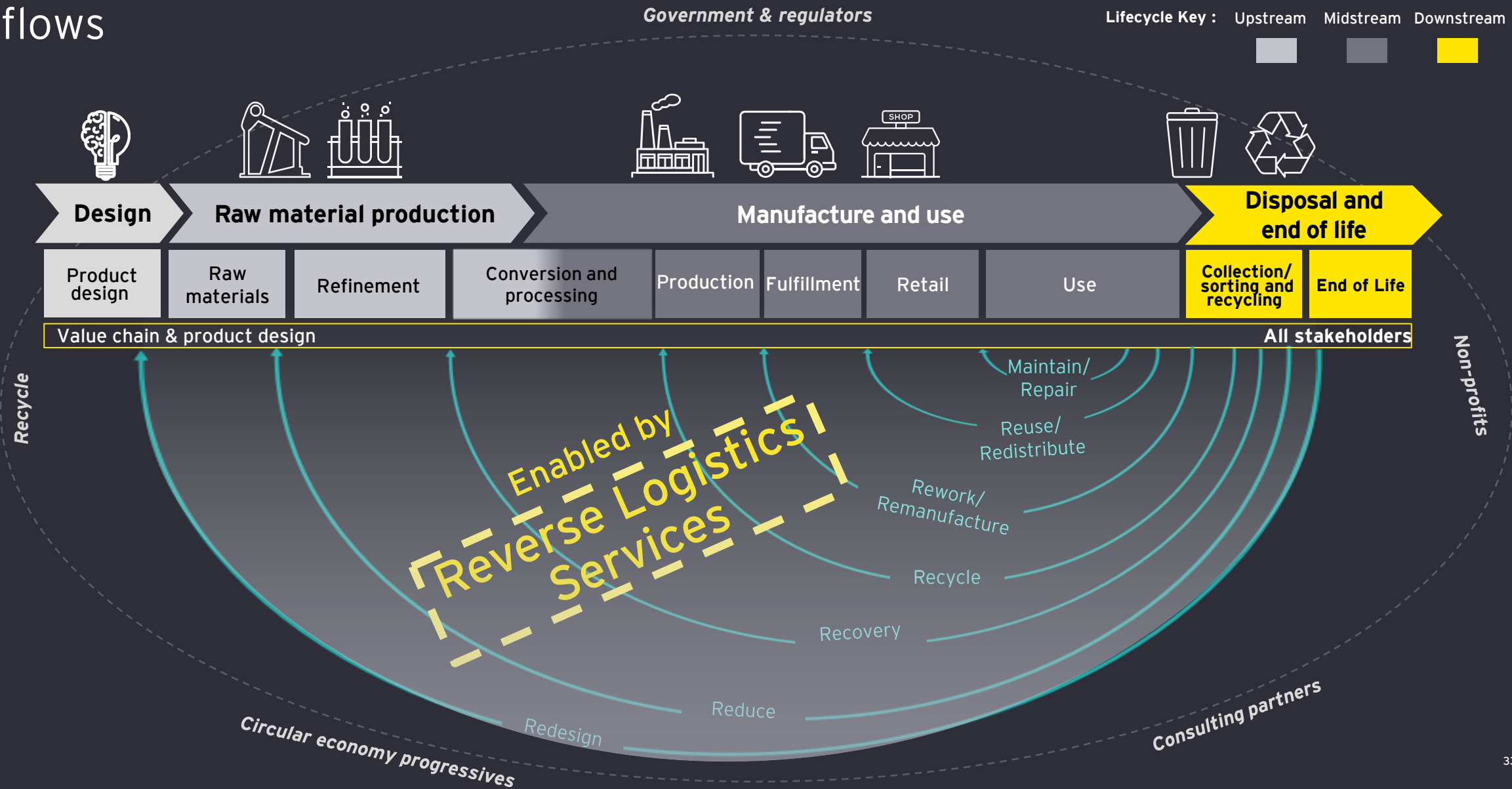
over the short-, medium- or long-term.

The scope of financial materiality for sustainability reporting is **an expansion of the scope of materiality used in the process of determining which information should be included in the undertaking's financial statements.**



The business model
and value chain;
connecting the dots
for the retail and
consumer sectors

Circular Economy & Decarbonization transform value-chains into value-loops & can reduce disruption risks and improve E2E oversight of material flows



Module 4 - Hot topics



Create more value, make a **measurable** difference, and **accelerate** the transition to a fair and sustainable future.



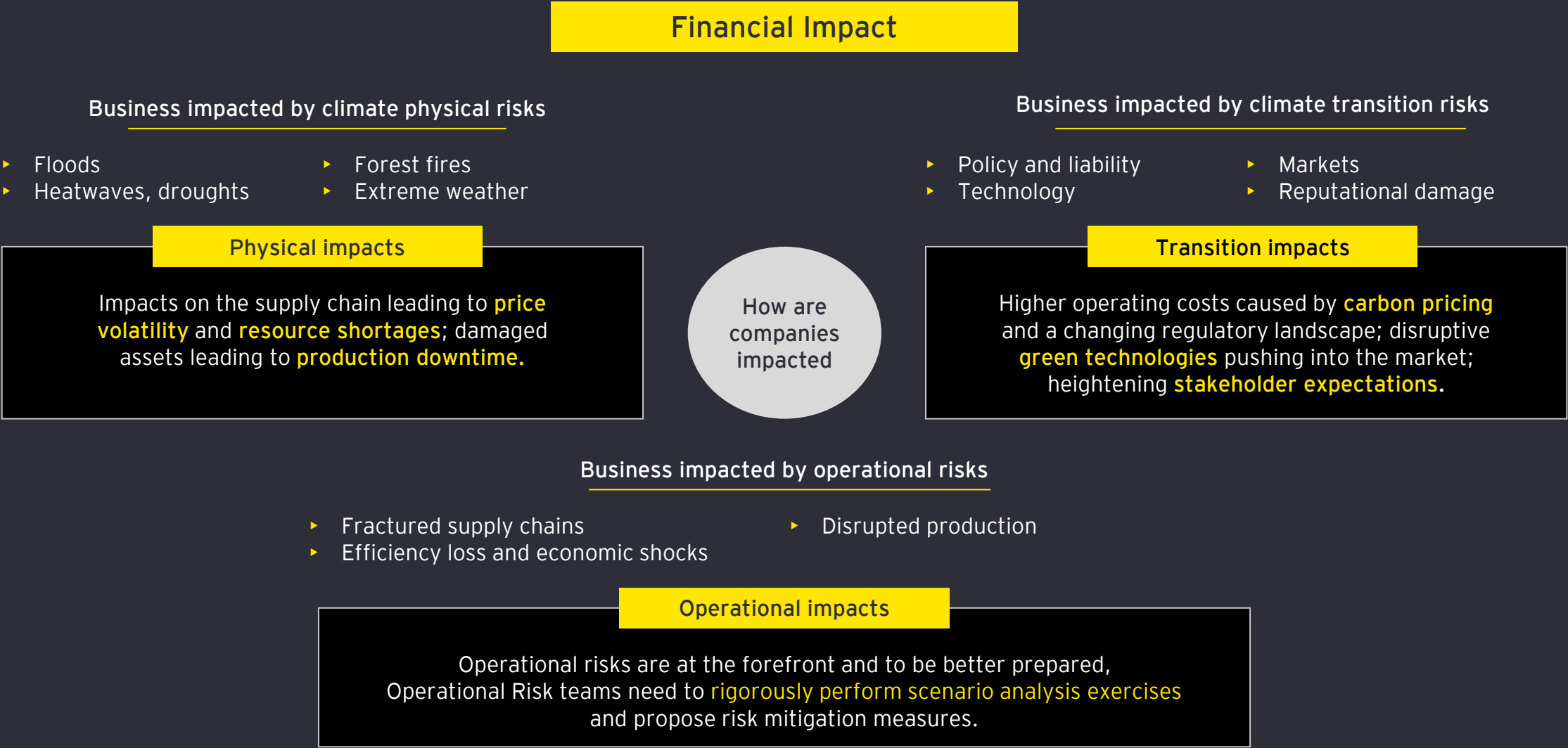
Climate Change
What difference would
0.5°C degree make?



Building a better
working world

Physical & transition climate risks and opportunities

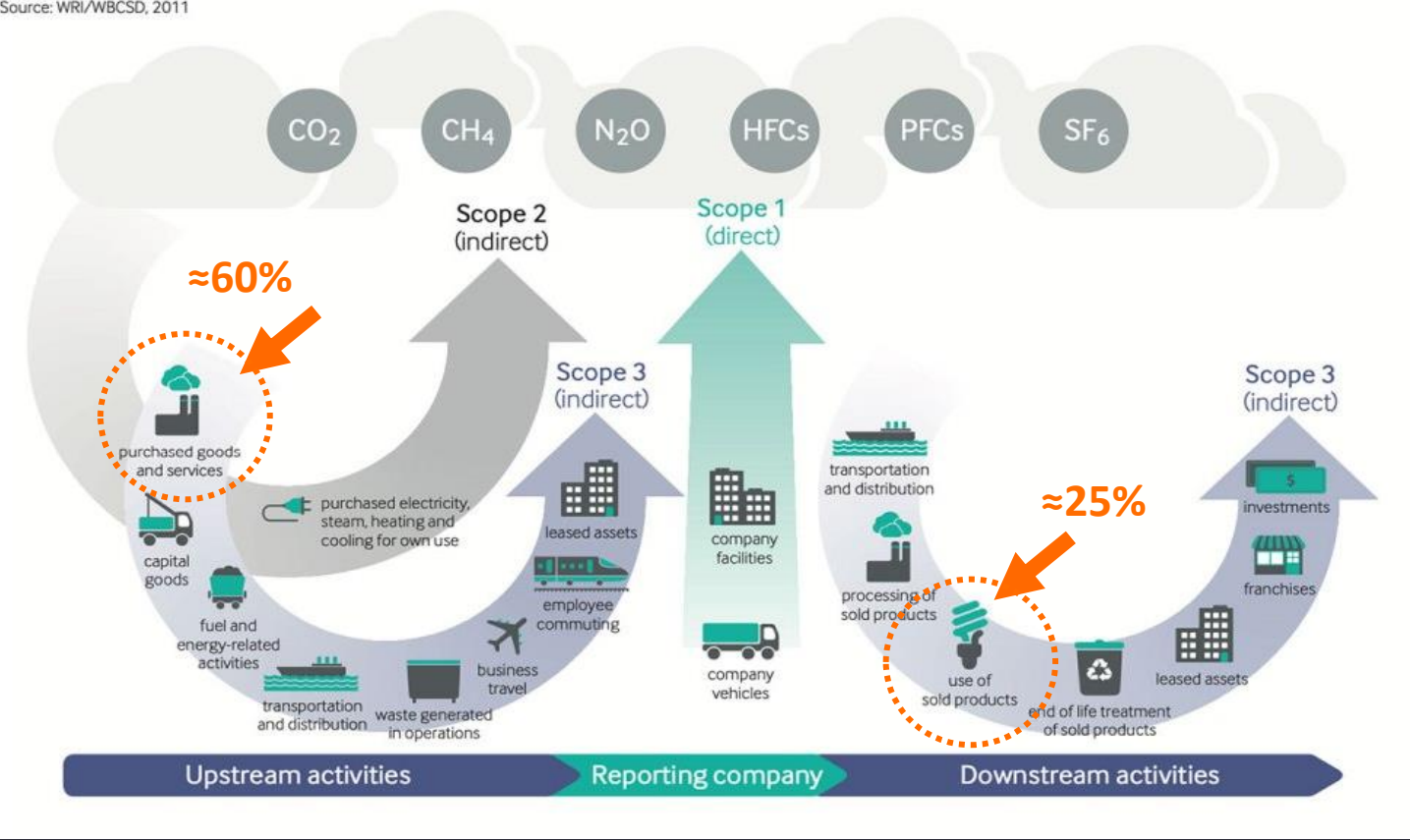
Embedding climate risk in decision making



Decarbonization and Net Zero

Overview of GHG emission scopes across a corporate value chain

Figure 1
GHG Protocol scopes and emissions across the value chain
Source: WRI/WBCSD, 2011



Emission creation

- Scope 1 All direct emissions from the activities of an organization or those under its control
- Scope 2 Indirect emissions from electricity purchased and used by an organization
- Scope 3 All other indirect emissions from activities of an organization, excluding electricity

Scope 1 & 2, circa 7% of total carbon footprint

Scope 3 being more than 90% of total carbon footprint*

*based on emission profiles of 44 global retailers, published in CDP

Decarbonization and Net Zero

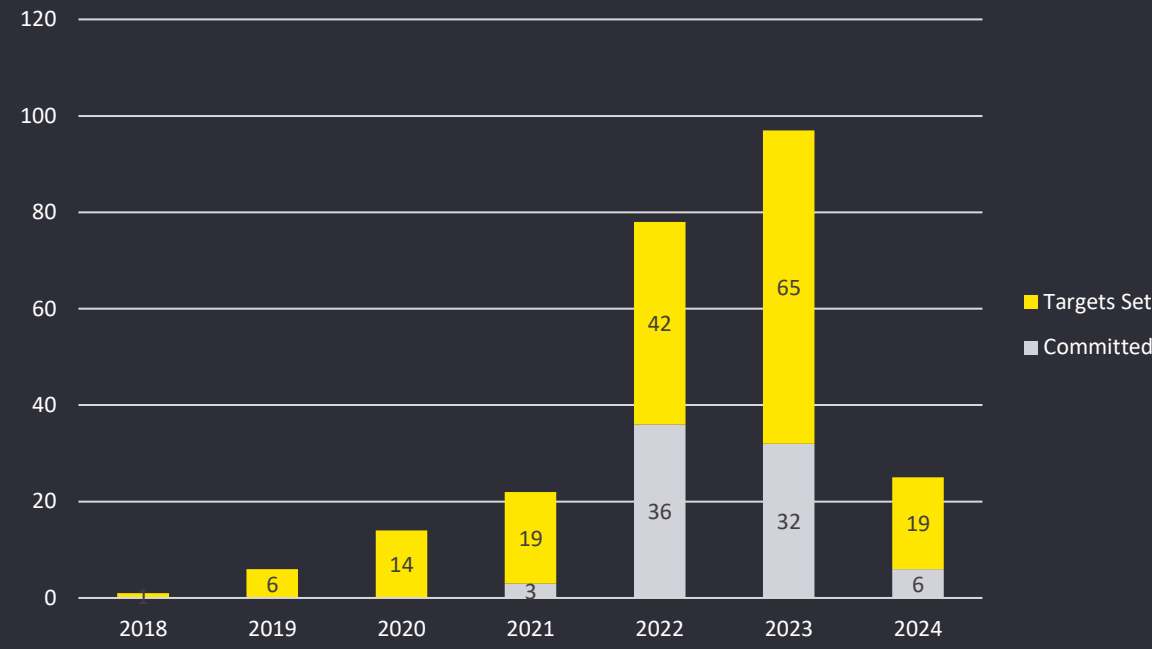
Science Based Targets initiative (SBTi) in line with a 1.5°C future

WHY?

Committing to climate action through science-based targets (SBTs) will drive sustainability improvements across the value chain



*SBTi guidance for the sector is still under development, but there is clear evidence that covering scope 3 will be part of the requirements, as per other sectors. This is because Scope 3 emission constitute the biggest contributor of carbon footprint





The circularity imperative

Circular Economy is at the forefront of EU

Case

- ▶ Global consumption of materials (e.g. biomass, fossil fuels, metals and minerals) is **expected to double** in the next 40 years
- ▶ Annual **waste generation** is projected to increase by **70% by 2050**

Framework

- ▶ Designing sustainable products
- ▶ Empowering consumers and public buyers
- ▶ Circularity in production processes



Electronics
and ICT



Batteries
and vehicles



Packaging



Plastics



Textiles



Construction



Food & water

Approach

- ▶ Decouple **economic growth** from resource use
- ▶ Ensure the long-term **competitiveness** of the EU

Opportunities

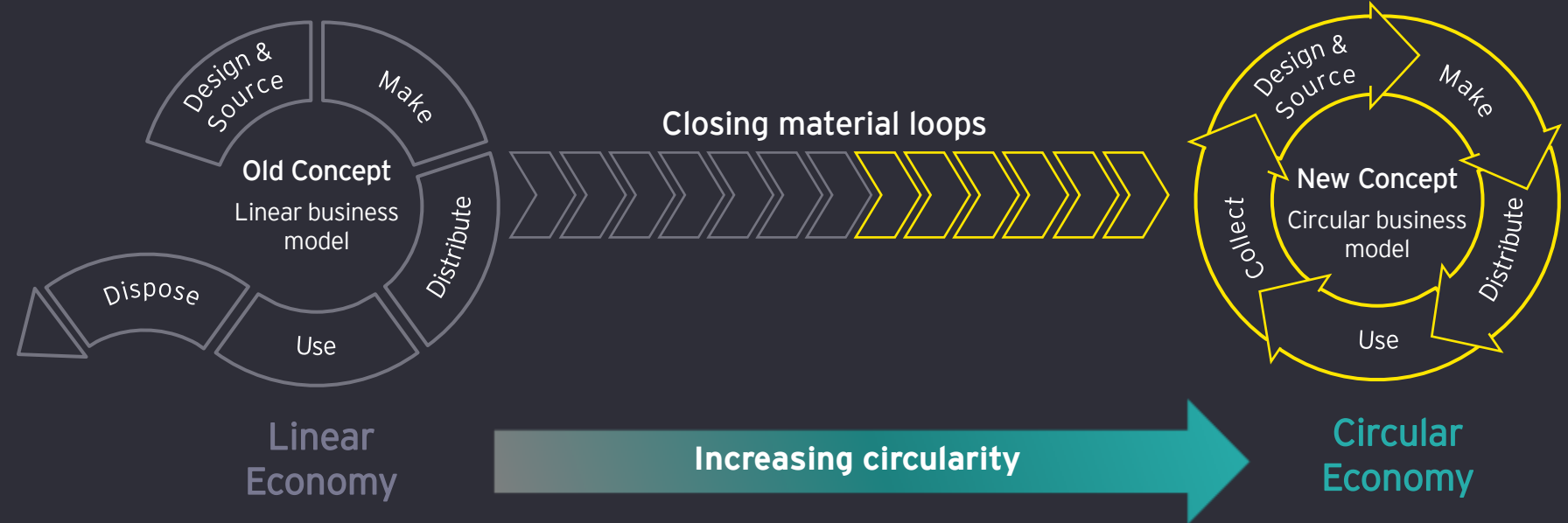
Businesses

- ▶ **Adding 700,000 jobs** and raising GDP by 0.8% by 2030.
- ▶ EU manufacturers can profit and guard against resource price changes with **closed-loop models**, given their 40% material spending.

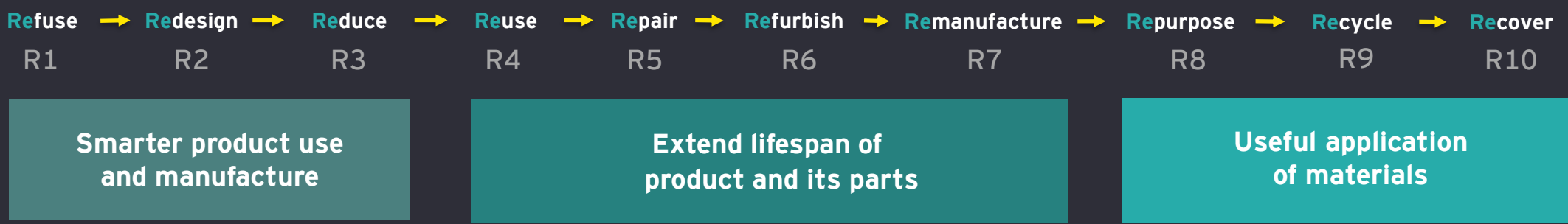
Citizens

- ▶ **High-quality, safe, and affordable long-lasting products**
- ▶ New services & product models **improve lives, create jobs, and enhance skills.**

Circularity within the value chain can reduce disruption risks and improve oversight of material flows: the 10-R Strategy creates value-loops



10-R strategy

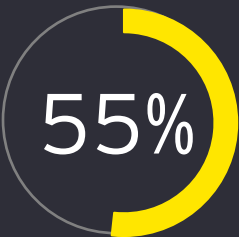




Nature positive future

Nature has reached a breaking point

How does biodiversity impact the economy?



55% of global GDP (USD 41.7 trillion) is dependent on high-functioning biodiversity; however, **20% of countries** are at risk of their ecosystems collapsing due to a decline in biodiversity.

Annual finance gap between current biodiversity financing and what is required.

US\$ 800bn

In the World Economic Forum's Global Risks Report 2023:

Biodiversity loss ranked fourth in the most severe risks over the next 10 years, behind climate action failure and extreme weather.

Global Twin Crises - the intersections between climate change and nature loss

Ecosystem Services

Provide, inter alia, flood control and water purification services for climate adaptation

Food Systems

Agriculture contributes significant global GHG emissions and nature loss via deforestation

Energy

Global energy systems contribute to GHG emissions and nature loss via pollution and land use

Human Rights

Nature loss and climate change will be felt locally by vulnerable populations

Climate Mitigation

Nature based solutions can provide **38% of mitigation potential**



Unprecedented loss of nature & biodiversity in Europe:

1 Biodiversity hotspot out of 36 in the world is in Europe

52% Of biodiversity in Eastern & Southeastern Europe is found in small areas of no or low human footprint

81% Of freshwater species are threatened

48% Of mammal species are threatened

Source: "Global Assessment Report on Biodiversity and Ecosystem Services", IPBES, 2019



Socio-Economic value creation

Health and Safety

H&S European & Domestic Figures

In 2021,
2,88 million
non-fatal accidents in EU

Resulting estimated losses of
€2,8 billion



In 2021, in Greece, recorded
workplace accidents rose to

4,475

marking a **12.9% increase** from 2020



- ✓ **1,557** Unskilled & manual workers
- ✓ **950** Operators of fixed industrial machinery & fitters
- ✓ **843** Service Employees & shop and outdoor salespersons

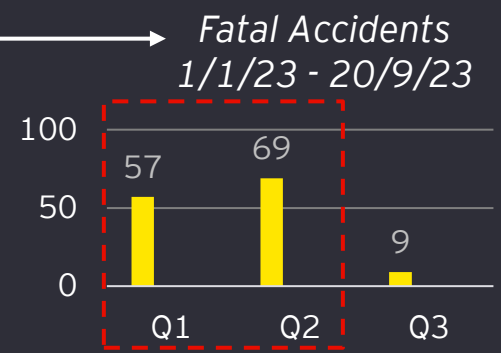
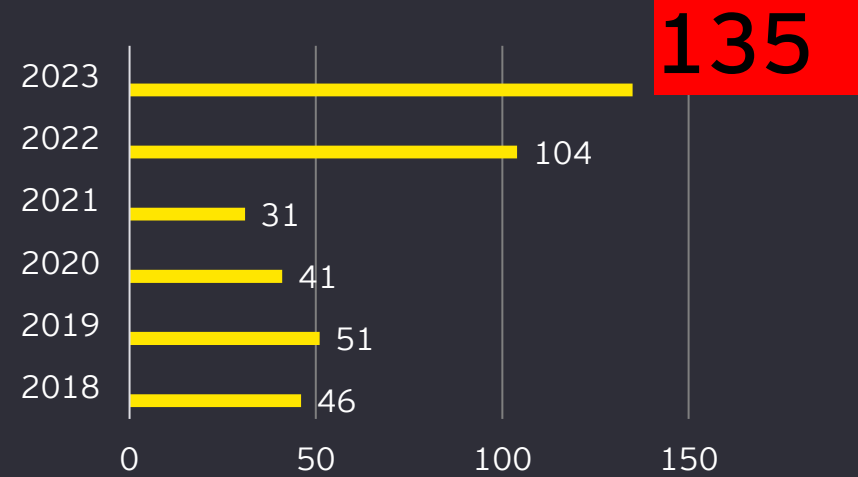
Industries with highest accident rate

- ✓ Construction
- ✓ Manufacturing
- ✓ Retail
- ✓ Service & Hospitality
- ✓ Warehousing & Transportation

Greece is experiencing a surge in **workplace fatalities**

126%
increase in the number of deaths from 2018 to 2022

Fatal Accidents 2018-23



42%

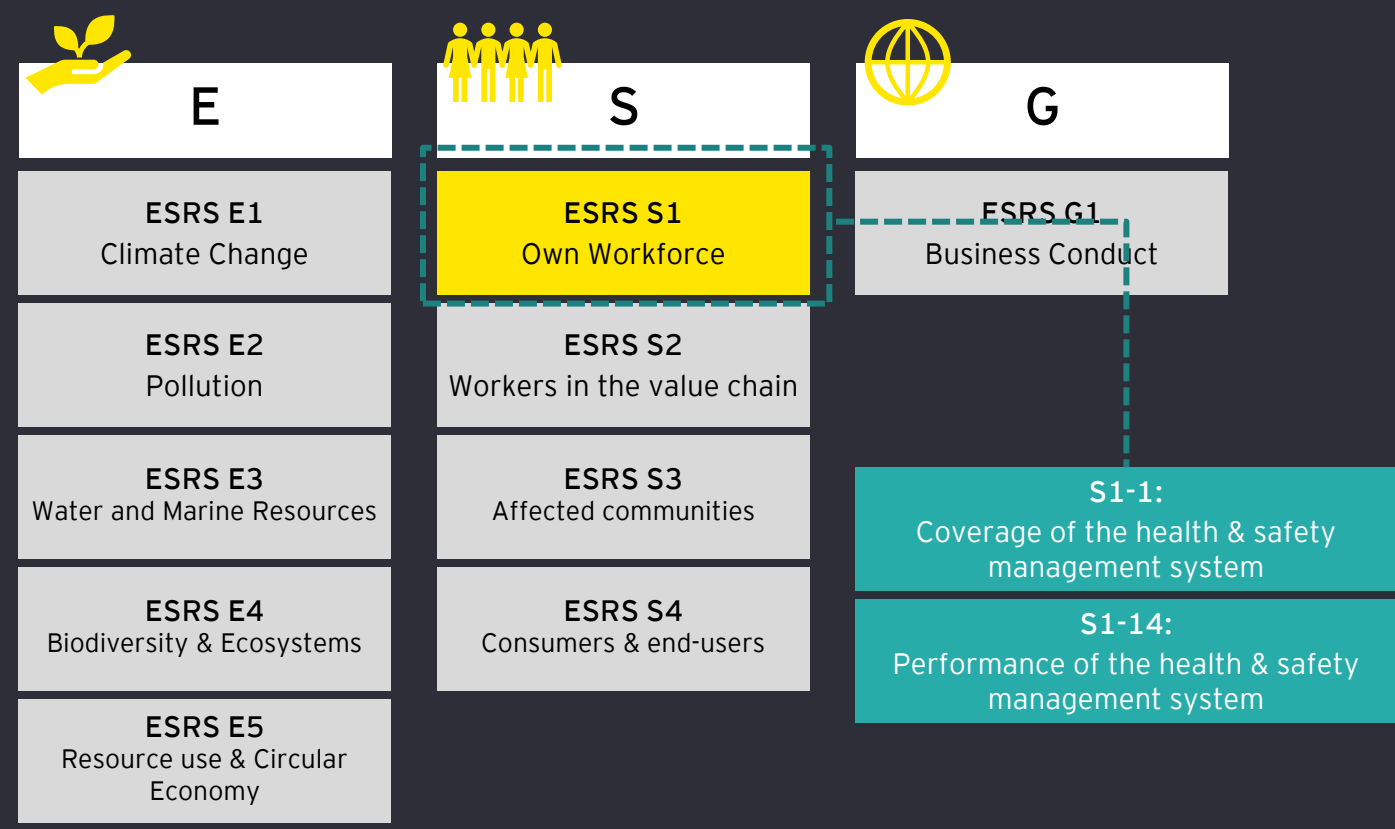


of business leaders consider **employee H&S** as **top issue** that will affect their **strategic plans** in the next 12 months

Health and Safety

CSRD: Shaping Corporate Sustainability Reporting Standards

Companies will report in accordance with the new **European Sustainability Reporting Standards (ESRS)**, drafted by the European Financial Reporting Advisory Group (EFRAG), whereby they will disclose their performance and impact on **environmental, social and governance (ESG)** factors:

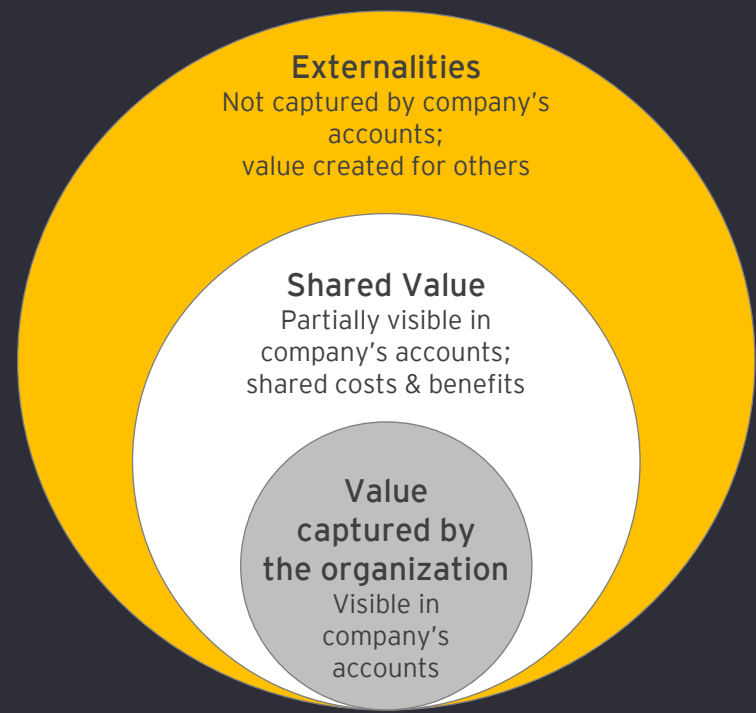


Long-term value creation paradigm for direct, indirect and induced socio-economic impacts

Value creation meaning

- A company's value creation is often subdivided in externalities and shared value. Shared value refers to value creation for stakeholders, such as customers, suppliers, local communities or employees.
- The value exchanges with society at large are referred to as "externalities," indicating that these are external to the entities that cause such effects, and they can be either positive or negative.
- The first step towards estimating value creation is measuring an organization's socio-economic footprint which helps to understand its economic and social impacts across the entire value chain.

Value exchanges with society at large Examples : Induced creation of jobs, induced income For whom : Society at large
Value exchanges with stakeholders Examples: Income to suppliers and partners, indirect jobs in your supply chain For whom: Suppliers, customers, local communities
Intrinsic value Examples: Income to shareholders, wages to employees For whom: Shareholders, employees

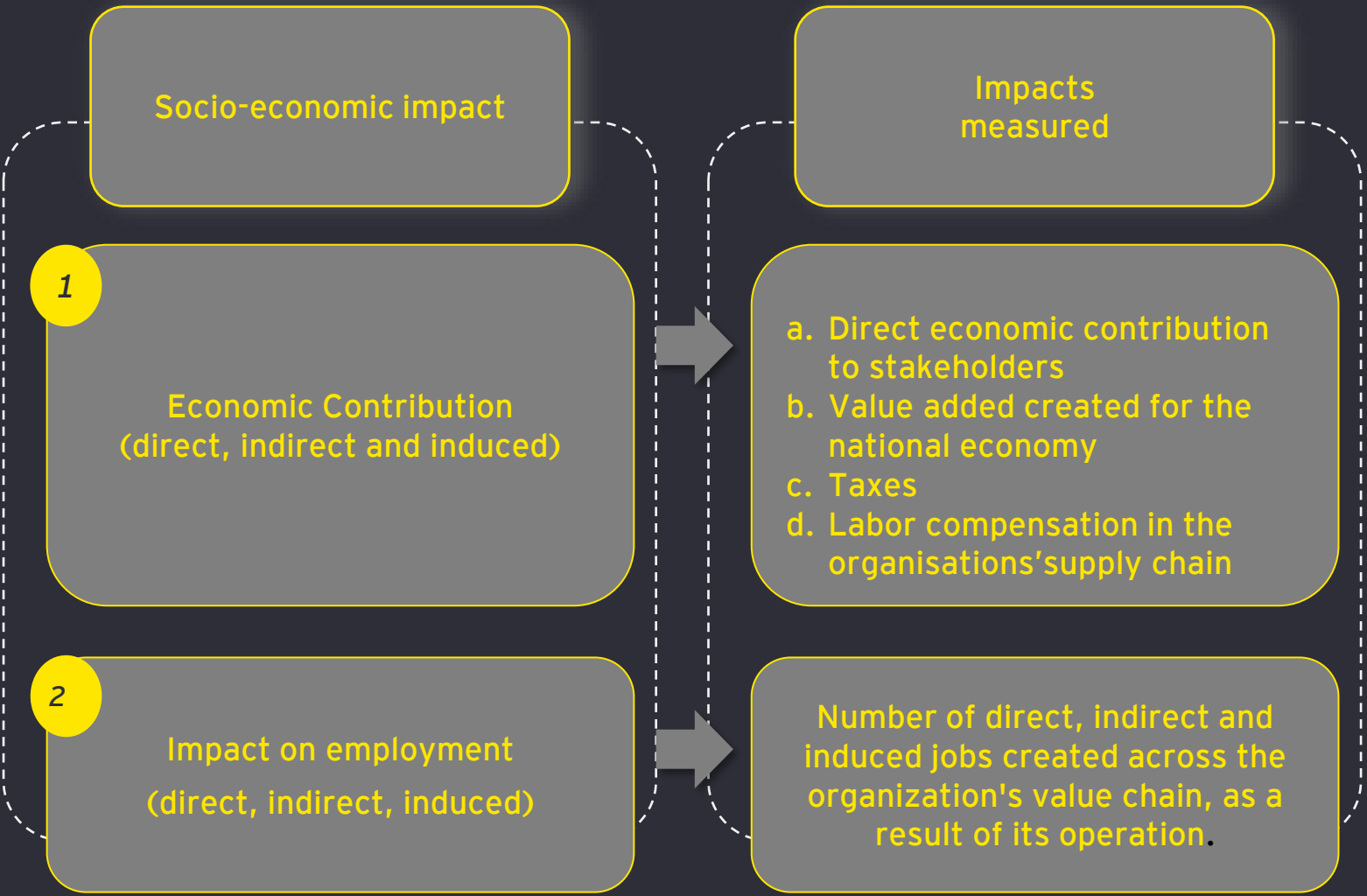


Long-term value creation paradigm for direct, indirect and induced socio-economic impacts

Socio-economic impact

Estimating the value generated by the organisation's activity

In order to measure these impacts, it is necessary to account for both impacts measurable in the organisation's accounts, as well as economic and social externalities.



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About EY's Climate Change and Sustainability Services

Governments and organizations around the world are increasingly focusing on the environmental, social and economic impacts of climate change and the drive for sustainability.

Your business may face new regulatory requirements and rising stakeholder concerns. There may be opportunities for cost reduction and revenue generation. Embedding a sustainable approach into core business activities could be a complex transformation to create long-term shareholder value.

The industry and countries in which you operate as well as your extended business relationships introduce specific challenges, responsibilities and opportunities.

Our global, multidisciplinary team combines our experience in assurance, consulting, strategy, tax and transaction services with climate change and sustainability knowledge and experience in your industry. You'll receive tailored service supported by global methodologies to address issues relating to your specific needs. Wherever you are in the world, EY can provide the right professionals to support you in reaching your sustainability goals.

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It's our ambition to become the world's leading transformation consultants.

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