# ESG INFOCARD JANUARY 2023



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# **ESG - 3 Pillars**







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# IMPACT OF DESIGN ON THE EMBODIED CARBON OUTPUT OF A DEVELOPMENT

Housing scheme 3 bed semi detached c. 120m<sup>2</sup> Insitu-concrete vs Timber **Frame Construction** 



Apartment scheme 5 Floors (3,500m<sup>2</sup>) Insitu-concrete vs Timber Frame Construction



#### Who?

- Financial market participants offering financial products in the EU
- Financial Reporting Directive

# EU TAXONOMY - WILL IMPACT...

## What?

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- Construction of new buildings
- Renovation of existing buildings
- Acquisition of buildings
- Individual renovation measures, installation of renewable onsite and professional, scientifc and technical activities

Large companies who are already required to provide a non-financial statement under the Non-

#### · The EU and Member States, when setting public measures, standards or labels for green financial products or green (corporate) bonds

# **6 ENVIRONMENTAL OBJECTIVES**

# SUBSTANTIAL CONTRIBUTION

## **Climate Mitigation**

Primary Energy Demand 10% lower than Nearly Net Zero Energy Building (nZEB)

## Buildings > 5000 sqm

- Life Cycle Assessment (LCA) and Global Warming Potential disclosure
- Air-tightness and thermal integrity disclosure

Using clean energy sources, new technologies, climate friendly materials and processes and renovating old stock.



#### **Climate Adaptation**

Refers to the actions taken to lower negative consequences of climate change

Anticipating and reducing the impact of climate change on a development. Robust climate risk and vulnerability assement.

The energy performance of the building resulting from the construction does not exceed the threshold set for the nearly zero-energy building (NZEB) requirements

#### **Transition to a Circular Economy**

At least 70 % (by weight) of the non-hazardous construction and demolition waste generated on the construction site is prepared for reuse, recycling and other material recovery.

Water Resource Management

Adherance to specific water usage for appliances: - Wash hand basin taps and kitchen taps have a maximum water flow of 6 litres/min;

- Showers have a maximum water flow of 8 litres/min;
- WCs, including suites, bowls and flushing cisterns, have a full flush volume of a maximum of 6 litres and a maximum average flush volume of 3,5 litres;
- Urinals use a maximum of 2 litres/bowl/hour. Flushing urinals have a maximum full flush volume of 1 litre.

# How will the EU Taxonomy impact the property sector?

#### Sustainable Investment

The ability to demonstrate alignment with the technical screening criteria set out by the EU Taxonomy will protect clients against claims of "green-washing". Central Banks have been very clear that they intend to clamp down on funds making unsubstantiated claims of sustainable investment. Science-based targets and disclosures are also more prevalent, but caution is urged where data is unknown.

For an ESG 'Jargon Buster' We recommend you visit IGBC website - www.igbc.ie



Anthony McDermott Director 086 303 2603

amcdermott@mitchellmcdermott.com

# **Digital Technology**

The requirement to report accurately on the environmental performance of portfolios under SFDR is driving investment in smarter buildings and robust reporting software. Data quality is essential, as non-financial reports will be subject to audit in the very near future.



Valuations

Asset values will increasingly be dictated by the ESG credentials and "true performance" of a building. The risk of becoming a "stranded asset value as technical due diligence becomes more sophisticated.



Paul Mitchell Director 086 834 5444

rtynan@mitchellmcdermott.com

pmitchell@mitchellmcdermott.com

Mitchell | McDermott | 72 Leeson Street Upper, Dublin 4 | +353 1 531 0370 | www.mitchellmcdermott.com

**DO NO SIGNIFICANT HARM** 

#### **Polution Prevention and Control**



Limit Formaldehyde emissions less than 0.06 mg of formaldehyde per m3 of material or component,

Contaminants to be investigated on brownfield sites for new construction. Measures are taken to reduce noise, dust and pollutant emissions during construction.

Protection and Restoration of Biodiversity and Ecosystems

No new construction on the following: - Arable land and crop land (referred to the EU LUCAS survey);

Greenfield land of recognised high biodiversity value - habitat of endangered species (European Red List or the IUCN Red List);

Forest land (FAO definition of forest.)





