



Institut pour la **Maîtrise des Risques**  
Sûreté de Fonctionnement - Management - Cindyniques

**AIRBUS**

## **La résilience est-elle une mode durable? Prise en compte de la réglementation (« sustainability »)**

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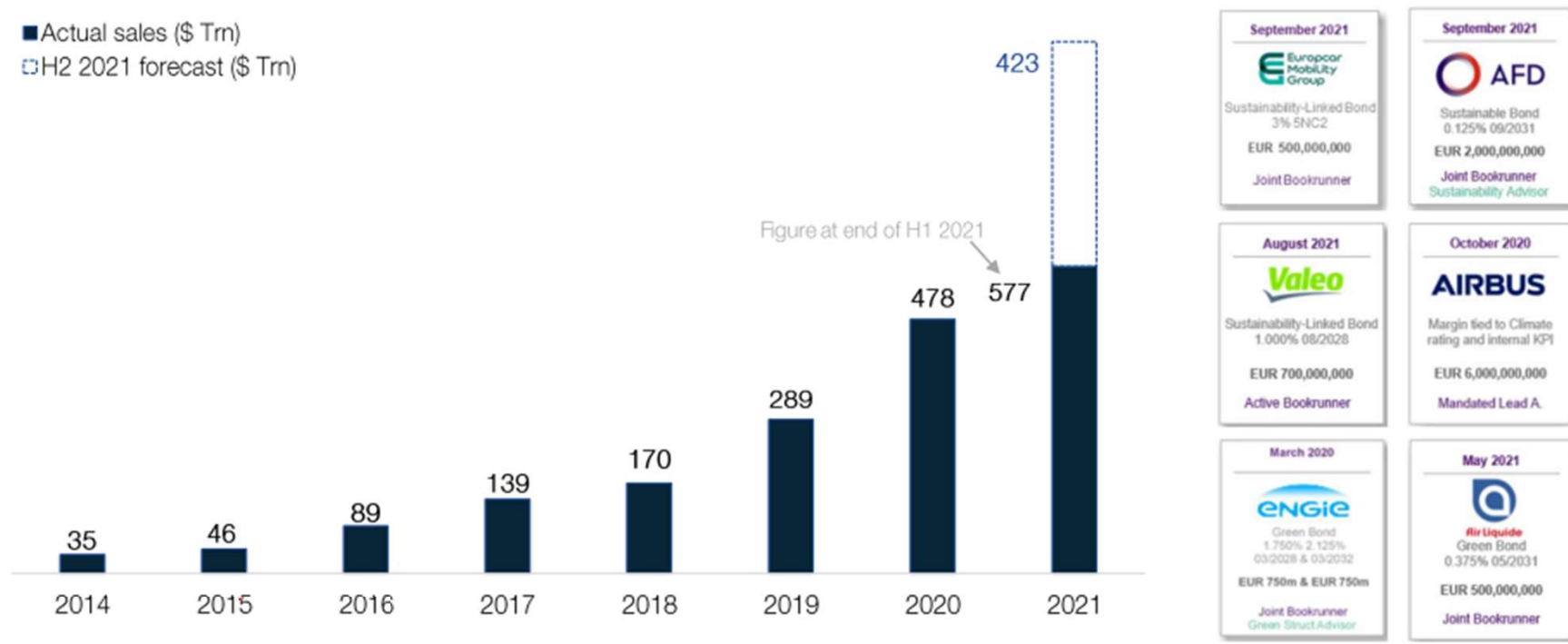
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# Agenda

- Context
- European Taxonomy
- Proces and examples
- Digital Twins
- Conclusions

# Global issuance of ESG bonds is on exponential growth, especially in Europe where ESG is now 'part of every conversation with all corporate issuers' (Citi)

ISSUANCE OF ESG BONDS GLOBALLY (INCL. GREEN, SOCIAL, SUSTAINABILITY AND SUSTAINABILITY-LINKED BONDS)



# The multiplication of green labelling initiatives has however led to different levels of compliance and robustness, with some 'greenwashing' risks

## OVERVIEW OF SELECTED LABELLING SCHEMES

	By	Launch year	Considerations
Green Bond Principles	ICMA <sup>(1)</sup>	2014	Very broad, allowing many issuers and participants, but leaving room for greenwashing and uncertainty
Green Loan Principles	LMA <sup>(2)</sup> APAC LMA	2018	Broad standard like Green Bond Principles and minimal process guidance increases opportunities for greenwashing
Sustainability-linked bonds	ICMA <sup>(1)</sup>	2020	New opportunities for labelling general purpose bonds and offers real incentives for progress. Room for greenwashing in bond structure
Climate Bonds Standard	Climate Bonds Initiative	2011	Strict standard keeping total issuance much lower, but upholding a high standard and rewarding true impact
EU Green Bond Standard (EU GBS)	European Commission	2020	Limited to the European Union but could be a catalyst for other regions. Alignment with EU taxonomy to be demonstrated. High level of initial requirements deters some issuers, but ensures integrity.

Less stringent



More stringent

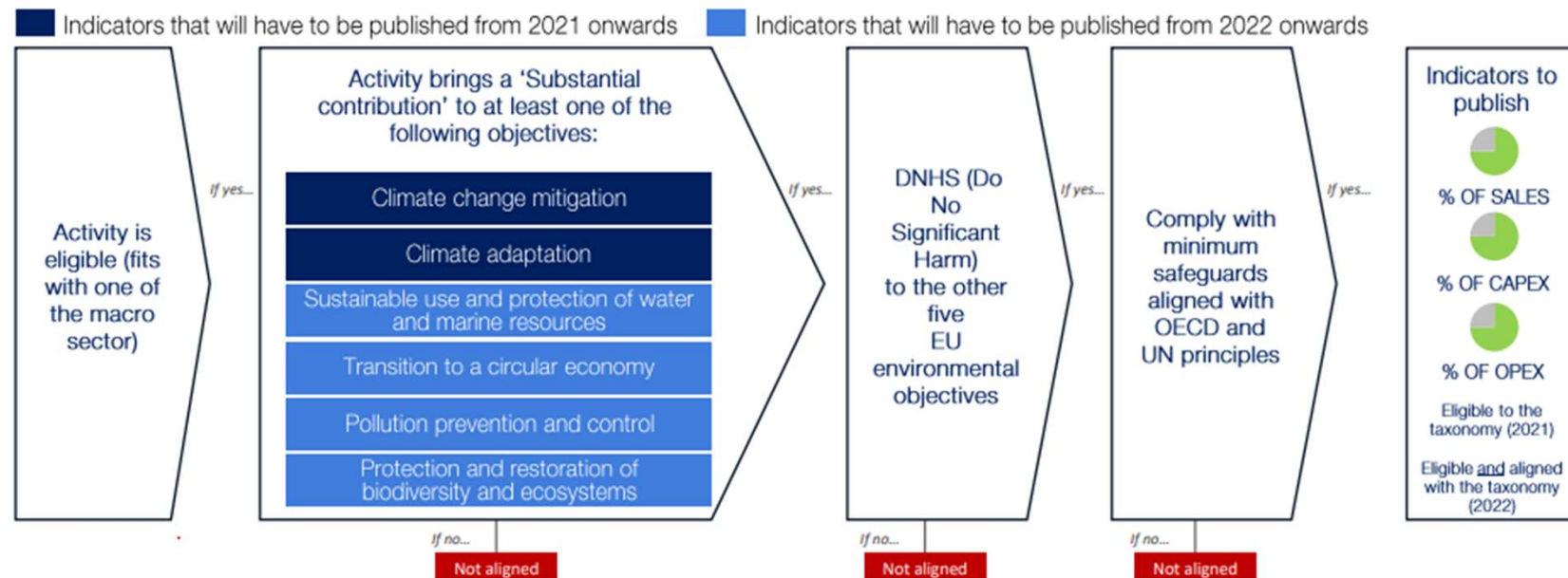




## If a company has some eligible activities in its portfolio, it must follow a 3-step process to demonstrate their alignment with the taxonomy

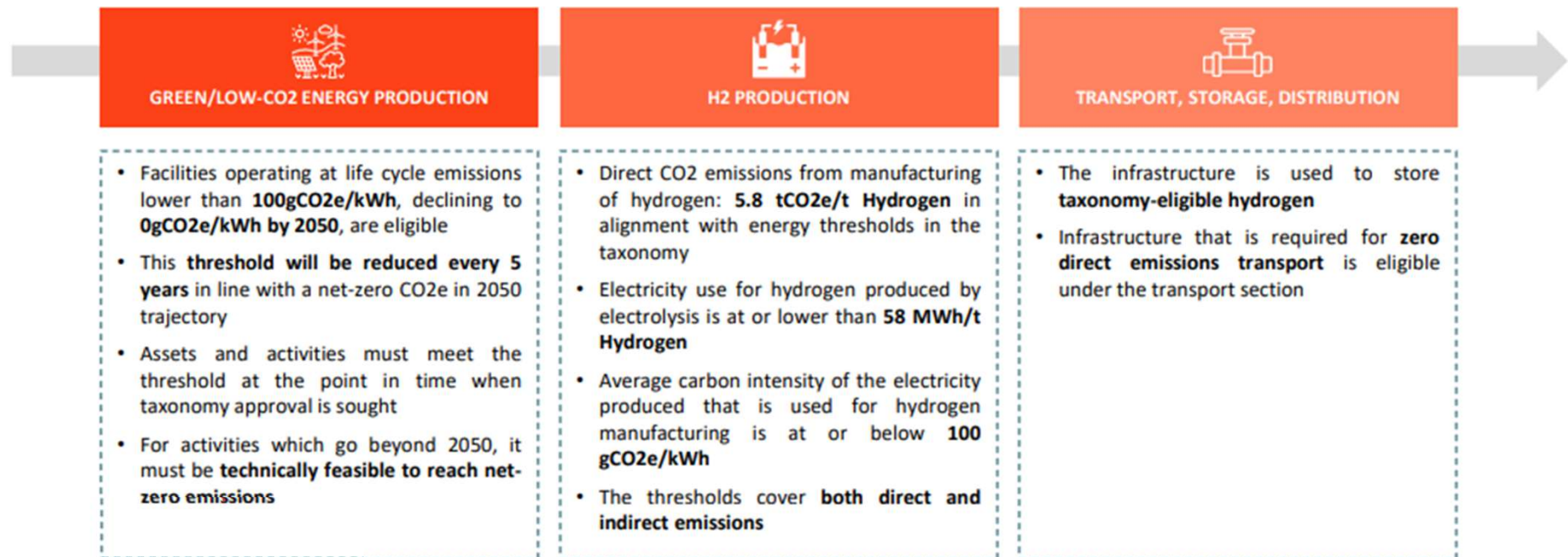
To demonstrate the alignment of their activities with the taxonomy, some companies will seek support from 3<sup>rd</sup> parties (audit/consulting firms, SW solution developers...), with some of them having already structured their offer

### THE 3-STEP PROCESS TO DEMONSTRATE ALIGNMENT WITH THE EU TAXONOMY



# The taxonomy in practice (1): H2-supporting facilities will have to meet specific standards to demonstrate a 'Substantial contribution' to Climate change mitigation

EU TAXONOMY CONDITIONS OF APPLICATION REGARDING HYDROGEN'S PRODUCTION AND STORAGE



# The taxonomy in practice (2): A material impact for investors eager to obtain the EU Ecolabel that might translate in strong re-arbitrage in assets allocation

TAXONOMY IN PRACTICE: CRITERION<sup>(1)</sup> FOR EQUITY AND BONDS TO QUALIFY TO EU ECOLABEL

Bond – Illustrative portfolio composition	
	Bond compliant with EU Green Bond Standards (which itself refers to the Taxonomy)?
Company A	Y
Company B	Y
Company C	Y
Company D	N
Total Portfolio	75%



>70%, thus bond fund eligible to proposed EU Ecolabel criteria

Equity – Illustrative portfolio composition					
	(1) Green sales(C)	(2) Highest Green capex <sup>(2)</sup>	(3) Total sales	(4) Weight	(4)*[(1)+(2)]/(3) Contribution
Company A	40	20	100	30%	18%
Company B	30	15	100	30%	14%
Company C	20	0	100	40%	8%
Total portfolio					40%



<50%, thus equity fund not eligible to proposed EU Ecolabel criteria

As investors' appetite for Green bonds keep expands, companies with access denied to the Sustainable finance market may end up paying a premium on their interest rates



## Many remaining questions

- How ESG requirements may be integrated in design and deployment of DT
- How DT of an industrial asset can be validated and certified from ESG point of view?
- Beyond sustainability features, how to measure social performances to be injected in DT?



# Sustainability consequences

- Strong effect on industry roadmap, strategy, R&T, risk analysis activity...
- European Ecolabel to assign to virtuous activities or change initiatives
- → strongest action leverage of European Green Deal

**Merci de votre attention**

Questions ?

