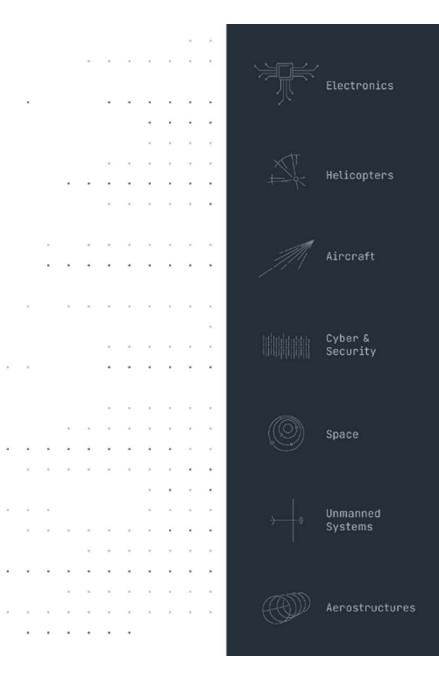


### Sustainability and Digitalisation: the paradigms for a new era of aeronautics

5 September 2023

13th EASN International Conference



#### Institutions are setting objectives and regulations for Sustainability

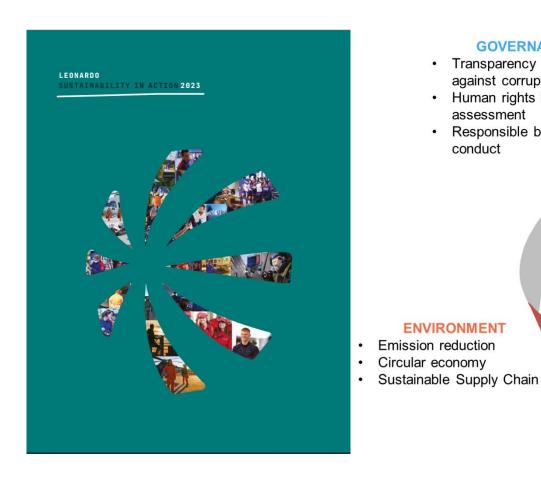


Corporate Sustainability Reporting Directive





#### Company are setting process and roadmap for Sustainability



# Transparency and fight against corruption Human rights impact assessment Responsible business conduct Own worksforces Workers in the value chains Affected communities. ENVIRONMENT Emission reduction

#### **Aviation is one of the Sustainability objectives**



#### A challenging path

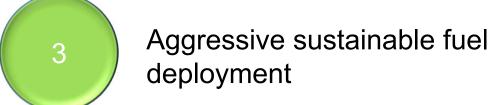






Continuation of current trends







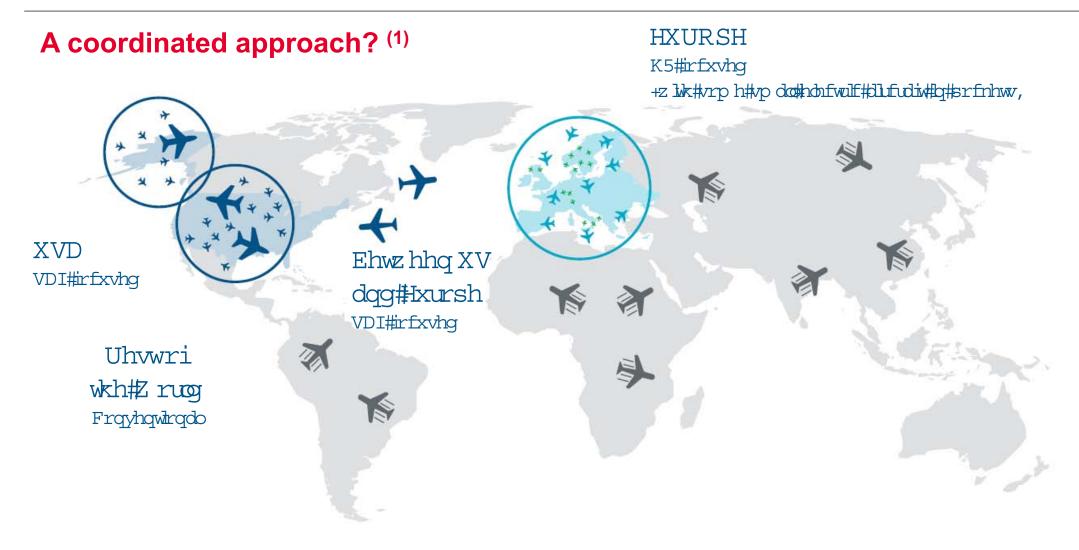
Aspirational and aggressive technology perspective

#### Price for the transition to Net Zero Fleet (1)

	TOTAL	PREMIUM	BAU
Improvements in technology	938 B€	198 B€	
Improvements in ATM and operations	47 B€	29 B€	
Alternative fuels	751 B€	441 B€	
Carbon pricing / negative emissions	152 B€	152 B€	
TOTAL	1.888 B€	820 B€	1.068 B€

<sup>(1)</sup> Abstract from «Innovation Fund Stakeholder Consultation event» NLR / SEO report 13 June 2023. Aviation section





(1) Dgdswhg from -Urdgp ds#xr#wixh# hur#Vfhqdulr#Dq#kqfrruglqdwhg z rugó#Urolqg#Ehujhu



#### A systemic revolution



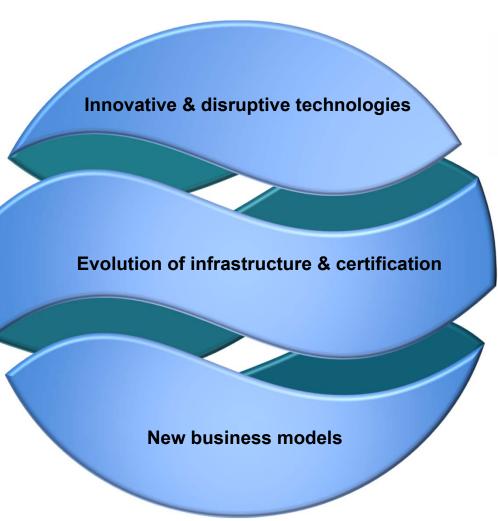


#### **Parallel synergic streams**















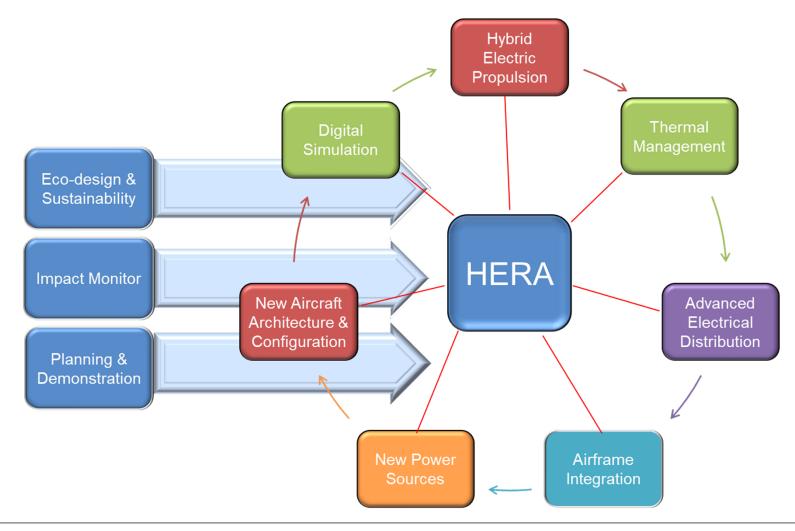


#### Clean Aviation - key step in the technology maturation





#### **Exploiting the Clean Aviation Ecosystem**





## Is it enough?



## We need to Reduce time to market &

## Enhance competitiveness!



#### **Digitalisation benefits**

- Reduce time and improve process robustness to design and certify the product
- 2 Improve quality and flexibility in the Manufacturing and Assembly

Enable better Training services and Fleet support





#### **Digitalisation solutions**

