

#### **TODAY'S WEBINAR WILL BEGIN SHORTLY**

Decarbonization Darwinism: The Existential Challenge Facing the Global Chemicals Industry

QUESTIONS?

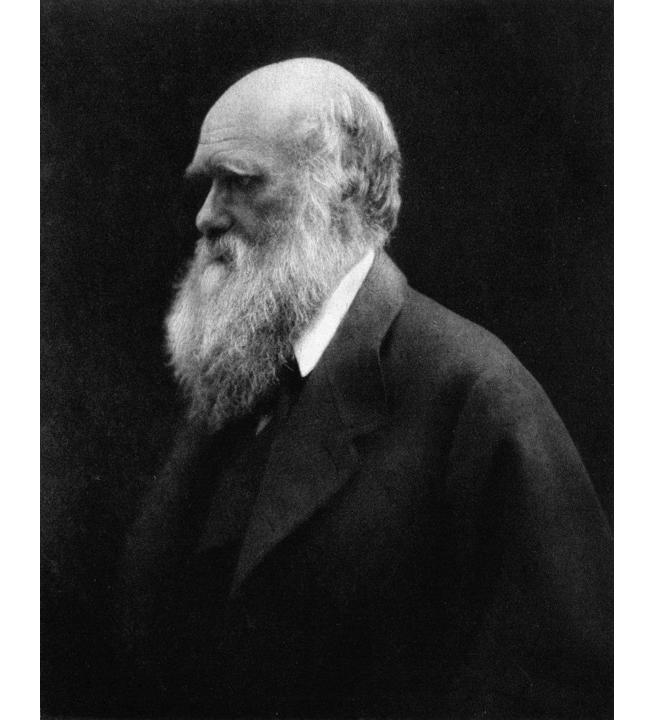
Use the questions box on your screen

**AUDIO ISSUES?** 

Use the global dial-in number in your confirmation email





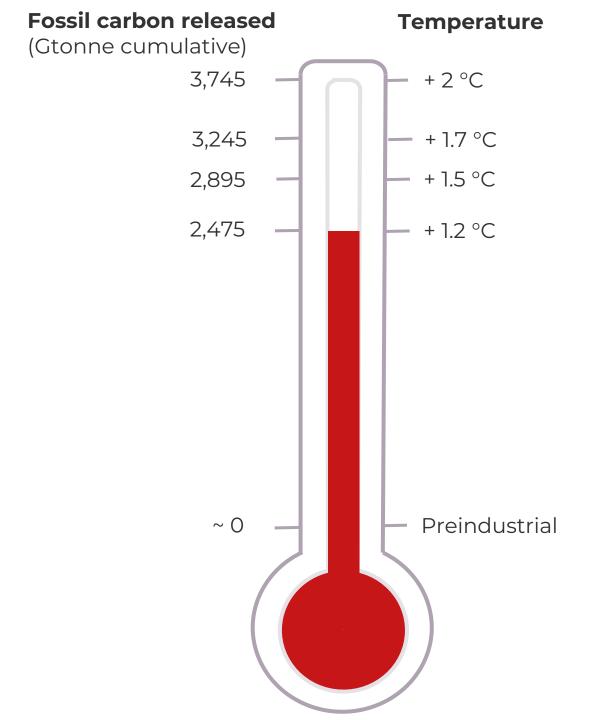




#### Near the limit

The world's fossil carbon budget is running out. To limit global warming to 1.5 °C, not more than 2,895 Gtonne of  $CO_2$  can be released from fossil sources.

We're less than 420 Gtonne away from that limit.



#### Just 10 more years

The remaining budget lasts until 2033

## 35 Gtonne/a

In 2020, a year with record low fossil fuel consumption, the world released 35 Gtonne of fossil  $CO_2$ . At that rate, the remaining budget lasts only 10 more years.



One weird trick to cut your carbon emissions instantly Implicately conse all business operations

Decarbonizing while maintaining the business



#### **LUX CARBON CANVAS**

### The Lux Carbon Canvas measures companies resilience to carbon pricing and capacity to invest in decarbonization

Lux Carbon Canvas: Framework to Evaluate Levels of Resilience to Carbon Pricing

Available capital from sales (y-axis); Critical carbon price \$US per MT eCO2 (x-axis)



#### **Critical carbon price**

Measures a company's resilience to carbon pricing

Critical
Carbon =
Price

Gross \_ 10% margin on sales

Scope 1 carbon emissions

### Available capital from sales

Measures a company's capability to invest in decarbonization

Available capital

Gross \_ 10% margin profit on sales

**Total Revenue** 

#### **LUX CARBON CANVAS**

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Available capital from sales (y-axis); critical carbon price USD/tonne eCO<sub>2</sub> (x-axis)



### The Lux Carbon Canvas measures resilience to carbon pricing and ability to decarbonize

#### Lux Carbon Canvas: Framework to Evaluate Levels of Resilience to Carbon Pricing





#### Three evolutionary categories of companies

#### Lux Carbon Canvas: Framework to Evaluate Levels of Resilience to Carbon Pricing

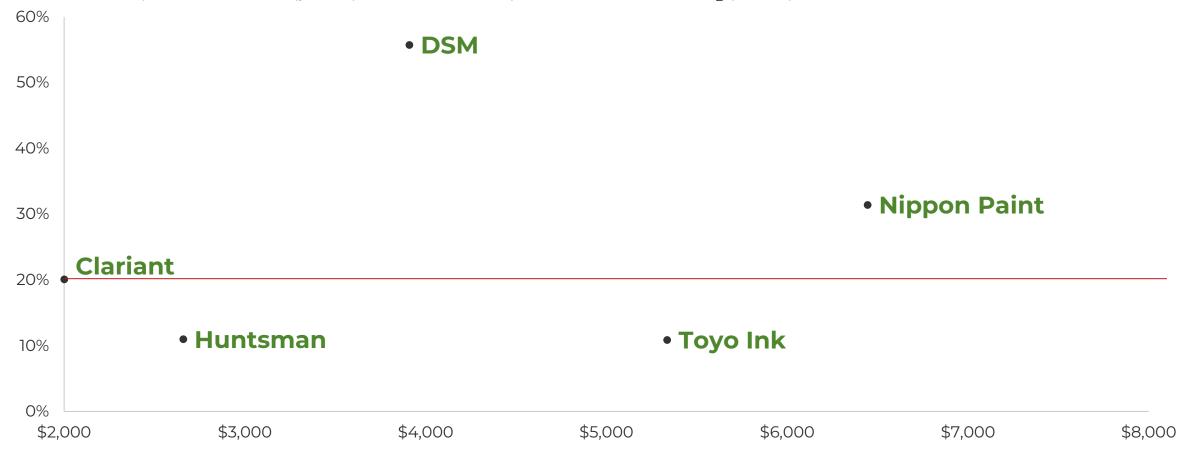




### Group one: Least-concerned species have transcended the energy transition risk by luck or design

Lux Carbon Canvas: Framework to Evaluate Levels of Resilience to Carbon Pricing

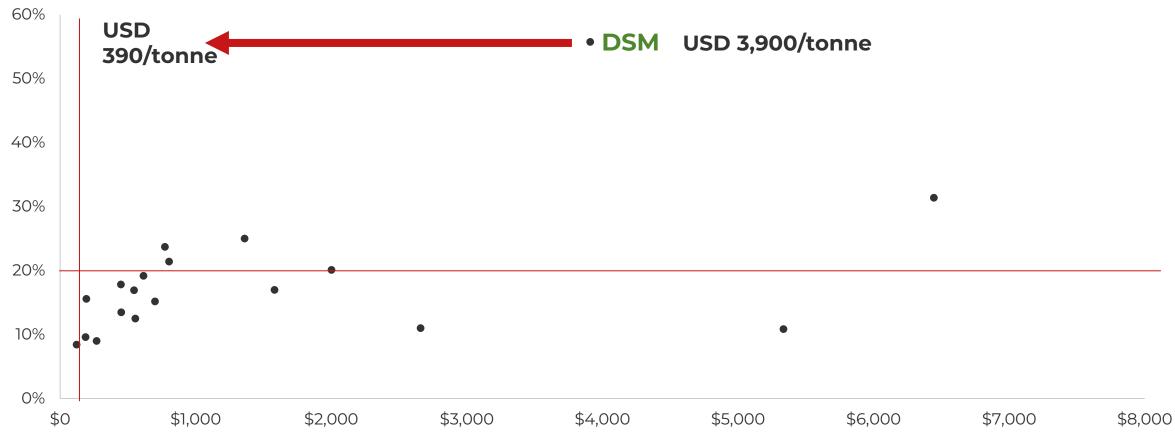
Available capital from sales (y-axis); critical carbon price USD/tonne eCO<sub>2</sub> (x-axis)



### Scope 3 emissions pricing would substantially hurt these companies, but they would still be fine overall

#### Lux Carbon Canvas: Framework to Evaluate Levels of Resilience to Carbon Pricing

Available capital from sales (y-axis); critical carbon price  $USD/tonne\ eCO_2$  (x-axis)



### Group 2: Transitional lifeforms will be under pressure to split up to survive

#### Lux Carbon Canvas: Framework to Evaluate Levels of Resilience to Carbon Pricing

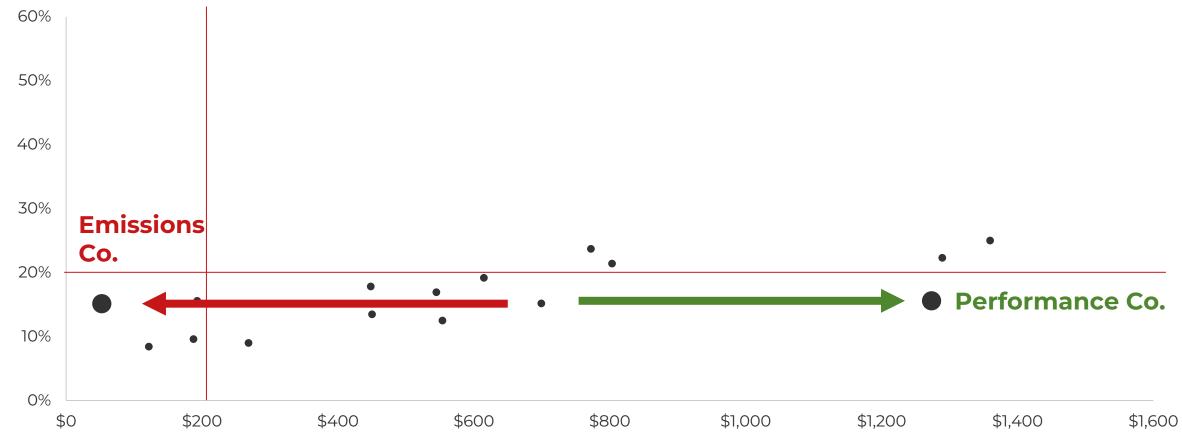
Available capital from sales (y-axis); critical carbon price USD/tonne eCO<sub>2</sub> (x-axis)



### Companies will be under pressure to split up from shareholders, but this makes decarbonization harder

#### Lux Carbon Canvas: Framework to Evaluate Levels of Resilience to Carbon Pricing

Available capital from sales (y-axis); critical carbon price USD/tonne eCO<sub>2</sub> (x-axis)



### Group 3: Asteroid victims are under real risk from carbon pricing and stranded assets

#### Lux Carbon Canvas: Framework to Evaluate Levels of Resilience to Carbon Pricing

Available capital from sales (y-axis); critical carbon price USD/tonne eCO<sub>2</sub> (x-axis)



### Commodity chemicals businesses will face increasing pressure from oil and gas companies with major cash reserves

#### Lux Carbon Canvas: Framework to Evaluate Levels of Resilience to Carbon Pricing

Available capital from sales (y-axis); critical carbon price  $USD/tonne\ eCO_2$  (x-axis)





# Decarbonize operations

Startup ecosystem

Corporate structure

Financial Incentives

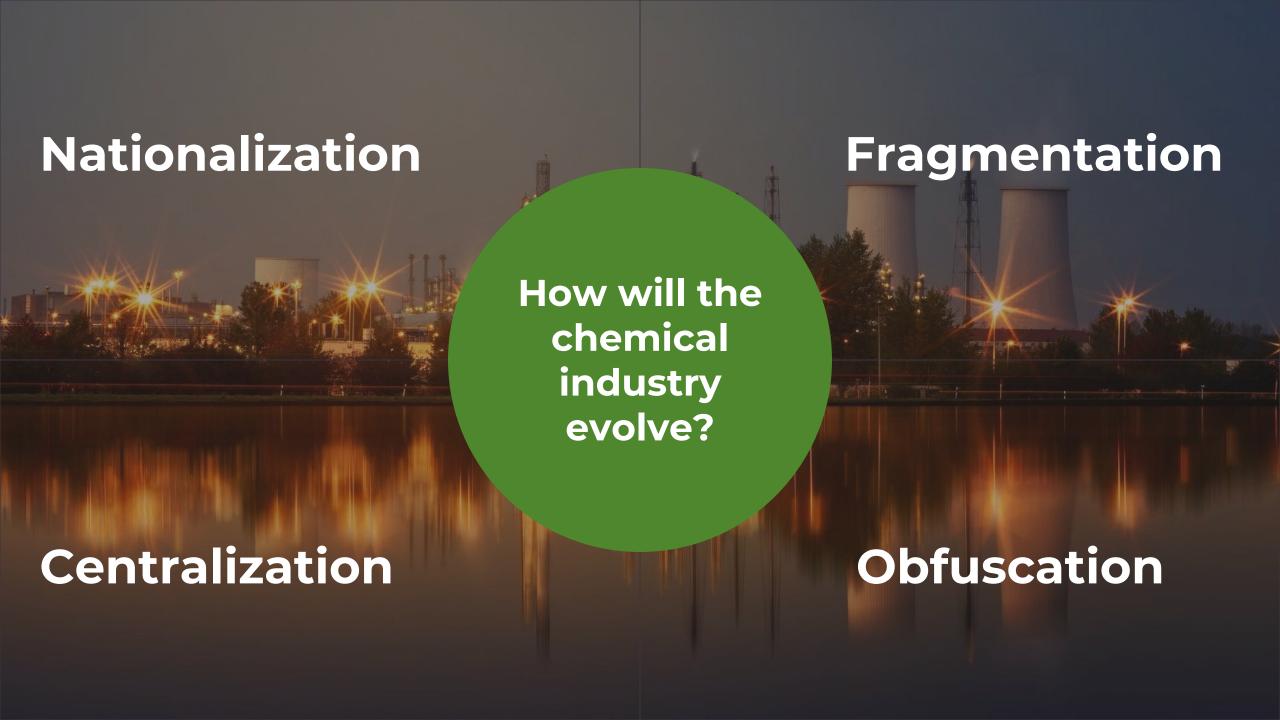
## Access new markets

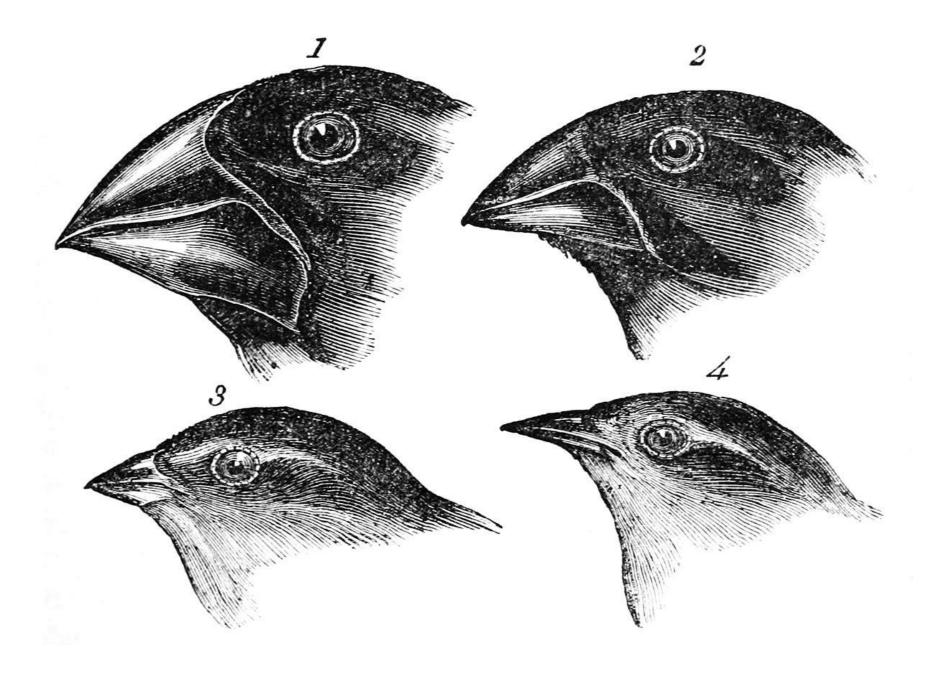
Startup ecosystem

Corporate structure

Financial Incentives







#### **Thank You**

A link to the webinar recording will be emailed within 24–48 hours.

#### **KEEP IN TOUCH**

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#### **UPCOMING WEBINARS**

#### September 13th

Oil and Gas Scenarios: Surviving the Energy Transition

#### October 25th

2023 Innovation Planning: Reviewing Key Developments of 2022 and Predictions for the Future

#### **November 22nd**

<u>Product Innovation: Balancing Sustainability, Risk, and Returns</u>

#### **December 20th**

The Top Technologies Enabling the Net-Zero Grid of the Future