

# CATO XXL game 2.0

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# Wishes from CATO

- Update
- More interaction
- More sectors
- More options
- Less complex
- Less playing time

# The Game in short:

- Form a united team and,
- Run an industrial firm in an eco-ambitious country,
- Align profit with eco-responsibility,
- Opt for CO<sub>2</sub> credits and/or green technology investment,

To

- Become an economic and/or environmental winner of the transition.

Play time 2.5 hours, 20-40 persons

# Educational goals

## Spoiler Alerts

- How to Invest in uncertainty
- No Silver Bullet
- Knowledge on CO<sub>2</sub> Mitigation Technologies
- CO<sub>2</sub> Emission Trading
- Live is not fair
- Bonus: Lots of fun and a real icebreaker

# Sectors



Hydrogenius



Super Steel



Cementex



*Artist impression*

# Auction CO<sub>2</sub> Allowances



**1 unit CO<sub>2</sub>**  
per round

## Bidform

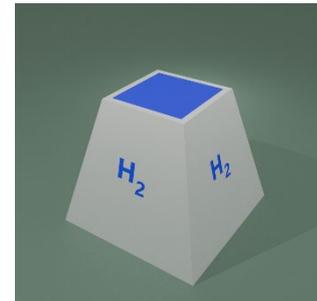
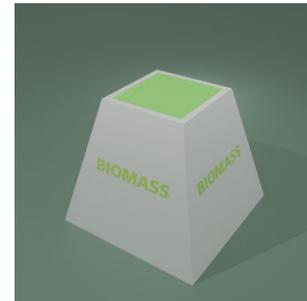
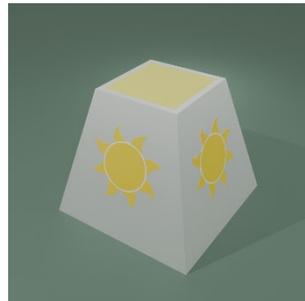
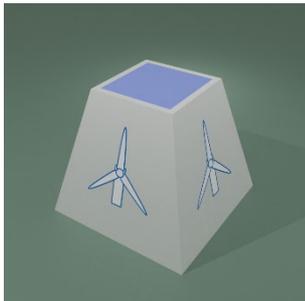
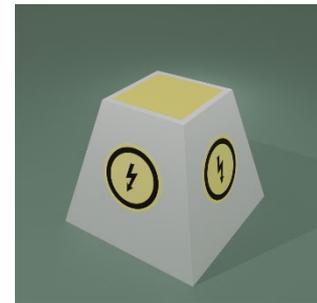
Number of certificate:

Price:

Total Price:

And/or trade with other teams

# Reduction options





# Webshop

<input type="checkbox"/>		Name ↕	SKU ↕	Stock	Price ↕	Categories
<input type="checkbox"/>		Pipe	pipe	In stock	\$ 6	Transport
<input type="checkbox"/>		Hydrogen OPEX	hydrogen-1	In stock	\$ 111	Hydrogen
<input type="checkbox"/>		Hydrogen CAPEX	hydrogen	In stock	\$ 111	Hydrogen
<input type="checkbox"/>		CCS capture OPEX	ccs-capture-1	In stock	\$ 60	CCS
<input type="checkbox"/>		Permit	permit	In stock	\$ 100	Permit
<input type="checkbox"/>		CCS storage	ccs-storage	In stock	<del>\$ 100</del> \$ 50	CCS
<input type="checkbox"/>		CCS capture CAPEX	ccs-capture	In stock	\$ 60	CCS

*Artist impression*



[Home](#) / [CCS](#) / CCS storage

Sale!



# CCS storage

~~\$ 100~~ \$ 50

The CO<sub>2</sub> needs to be permanently stored underground to prevent it from entering the atmosphere. When a storage location reaches its maximum capacity, injection of CO<sub>2</sub> is typically halted to prevent overpressure and potential leakage. Continuous monitoring is essential to detect any potential leaks or pressure anomalies. Obtaining a separate permit is necessary to store...

1

Add to cart

SKU: **CCS-STORAGE** Category: CCS

*Artist impression*

# Digital game support

## Step 3: Finalize the results.

By clicking the 'finalize auction' button, the results become definitive. The teams will automatically be notified of their bids, and if applicable, they will be instructed to come to the bank to pay and collect their certificates.

The results of the auction for round 2 are

Bid ID	Team	Price Certificate	certificate Bid	certificate Granted	Total Price
42	Ecogrowth	12	8	8	96
40	Poly	10	8	4	40
41	super steel	10	6	3	30
43	Flows	8	13	0	0
Total		11.1	35	15	166

**Shortage of 35 certificate.**

Finalize Auction

*Artist impression*

# Digital game support

Round	Start	Auction	Shop	Wrapup	Total
1	<input type="text" value="20"/>	<input type="text" value="15"/>	<input type="text" value="10"/>	<input type="text" value="15"/>	01:00
2	<input type="text" value="0"/> ▾	<input type="text" value="10"/>	<input type="text" value="10"/>	<input type="text" value="10"/>	00:30
3	<input type="text" value="0"/>	<input type="text" value="6"/>	<input type="text" value="7"/>	<input type="text" value="7"/>	00:20
4	<input type="text" value="0"/>	<input type="text" value="5"/>	<input type="text" value="5"/>	<input type="text" value="5"/>	00:15
5	<input type="text" value="0"/>	<input type="text" value="5"/>	<input type="text" value="5"/>	<input type="text" value="15"/>	00:25

Time in table in minutes

**Total playtime: 2 hours 30 minutes**

# Target group

## Target Group

- Students (University/College)
- Policymakers
- Energy Sector Professionals
- Any interlude in a team retreat.

## Requirements

- Suitable for advanced high school level (VWO6+) and beyond.
- No prior knowledge of energy transition required.



Thank you  
and  
have a look in the lobby