

Responsible investment and corporate social responsibility

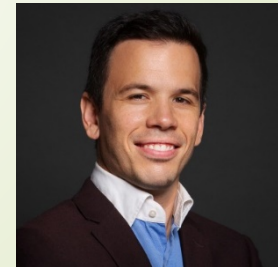
Webinar for the 2022 Bourstad Challenge Participants

Guest Expert

Mr. Thomas Estinès, Co-CEO, Responsible Investment Group

Content

- ▶ Welcome to all
- ▶ The financial markets since the beginning of the Boursiad 2022 contest
- ▶ Fundamentals of Responsible Investment
Paul Bourget
Director of the Boursiad Project
CIRANO
- ▶ Preparing the annual report on sustainable finance issues - Shareholder proposals
Thomas Estinès
Co-CEO
Responsible Investment Group



Financial Markets for the week ending March 4

↓ Actions

🏷️ 2021 : +17,4%

↑ Obligations

🏷️ 2021 : +45 pdb

↑ Dollar US

🏷️ 2021 : +6,4%

↑ Matières premières

🏷️ 2021 : +25,2%

↓ Crypto

🏷️ 2021 : +229%

↓ Stocks

🏷️ 2021 : +17,4%

↑ Bonds

🏷️ 2021 : +45 pdb

↑ Dollar US

🏷️ 2021 : +6,4%

↑ Commodities

🏷️ 2021 : +25,2%

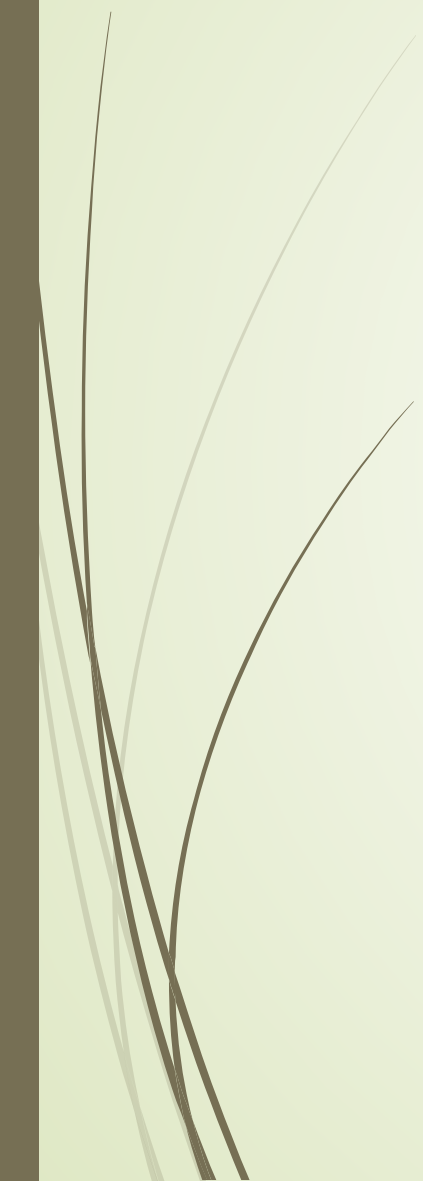
↓ Crypto

🏷️ 2021 : +229%

Indice ou denrées (Index or commodity)	Valeur au (Value on) 2022-03-04	Variation au cours de la semaine (Weekly change)	Variation depuis (Change since) 2022-02-11	Unités de variation (Change Unit)
Indices boursiers (Stock Market Indexes)				
S&P/TSX (Toronto)	21 402,43	1,40%	-0,68%	%
S&P 500 (New York)	4 328,87	-1,27%	-2,03%	
NASDAQ 100 (Techno)	13 837,83	-2,48%	-2,92%	
CAC 40 (Paris)	6 061,66	-10,23%	-13,55%	
SSE (Shanghai)	3 447,65	-0,11%	-0,44%	
Nikkei 225 (Tokyo)	25 985,47	-1,85%	-6,18%	
Taux - obligations 10 ans (10-year Bond Rate)				
États-Unis / United States	1,74	-19,4	-20,0	points de base / basis point
Canada	1,66	-24,5	-19,9	
Allemagne / Germany	-0,07	-29,8	-36,7	
Japon / Japan	0,15	-5,6	-7,8	
Devises (Currencies)				
Dollar canadien / Canadian dollar	1,2732 \$	0,3	0,0	CAD ¢ / USD
Euro en USD / Euro in USD	1,0933 \$	-3,4	-4,2	USD ¢ / Euro
Yen en USD / Yen in USD	0,0086 \$	-0,1	0,2	USD ¢ / 10 000 JPY
Indice DXY / DXY Index	98,52	2,1%	0,2%	%
Denrées (Commodities)				
Pétrole / Crude Oil	114,71 \$	25,2%	23,21%	%
Or / Gold	1 969,70 \$	4,3%	5,97%	
Cuivre / Copper	4,91 \$	9,5%	8,92%	
Maïs / Corn	7,52 \$	14,3%	15,51%	
Crypto-monnaies (Crypto currencies)				
Bitcoin (USD)	39 292,00 \$	0,2%	-7,7%	%
Ethereum (USD)	2 611,97 \$	-7,0%	-10,8%	



Responsible Investment in the Boursstad Challenge

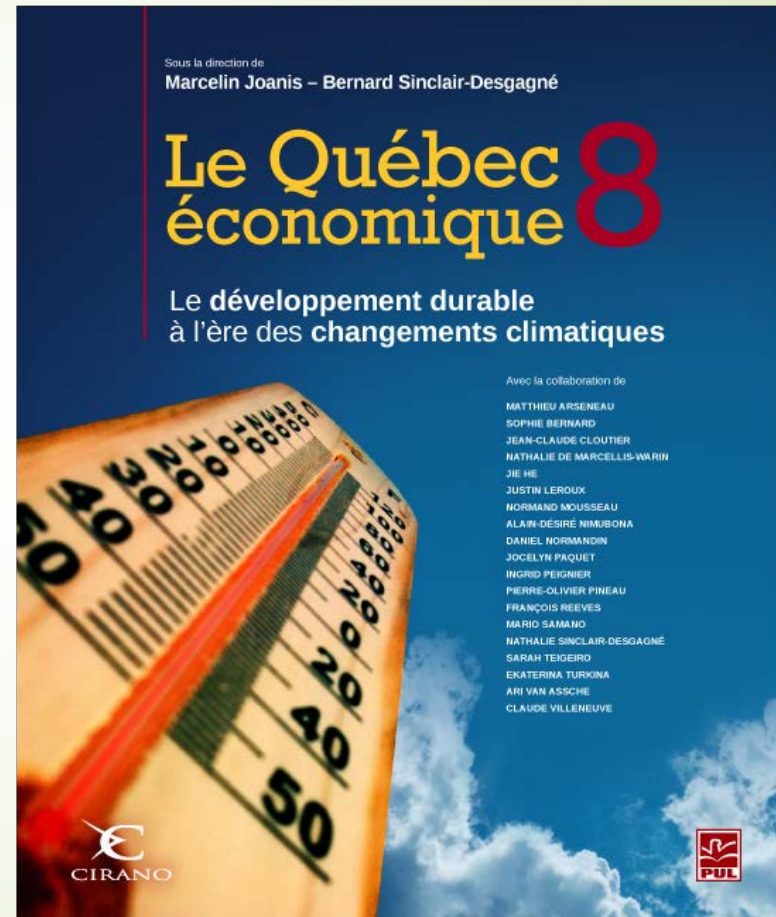
- Guide to responsible investment
 - Responsible investment and sustainable development concepts
 - Responsible investment aspects in the Boursstad platform
 - Qualifying test for the Responsible Investment component of the 2022 Boursstad Challenge
- 

Guide to responsible investment in the 2022 Boursstad Challenge

- Definition of responsible investment
- Strategies for responsible investing
- A few historical events in socially responsible investing
- ESG performance
- ESG performance evaluation
- RI specialists
- Industrial strategy and sustainable development 1- Clean technologies Clusters
- Industrial strategy and sustainable development 2 - Circular economy
- Socially responsible investing in Boursstad simulations

Guide to responsible investment 2022 edition

- ▶ Includes 2 sections from the book *Le développement durable à l'ère des changements climatiques* published by CIRANO in the fall of 2019
- ▶ Available for free access on [the publisher's site](#)

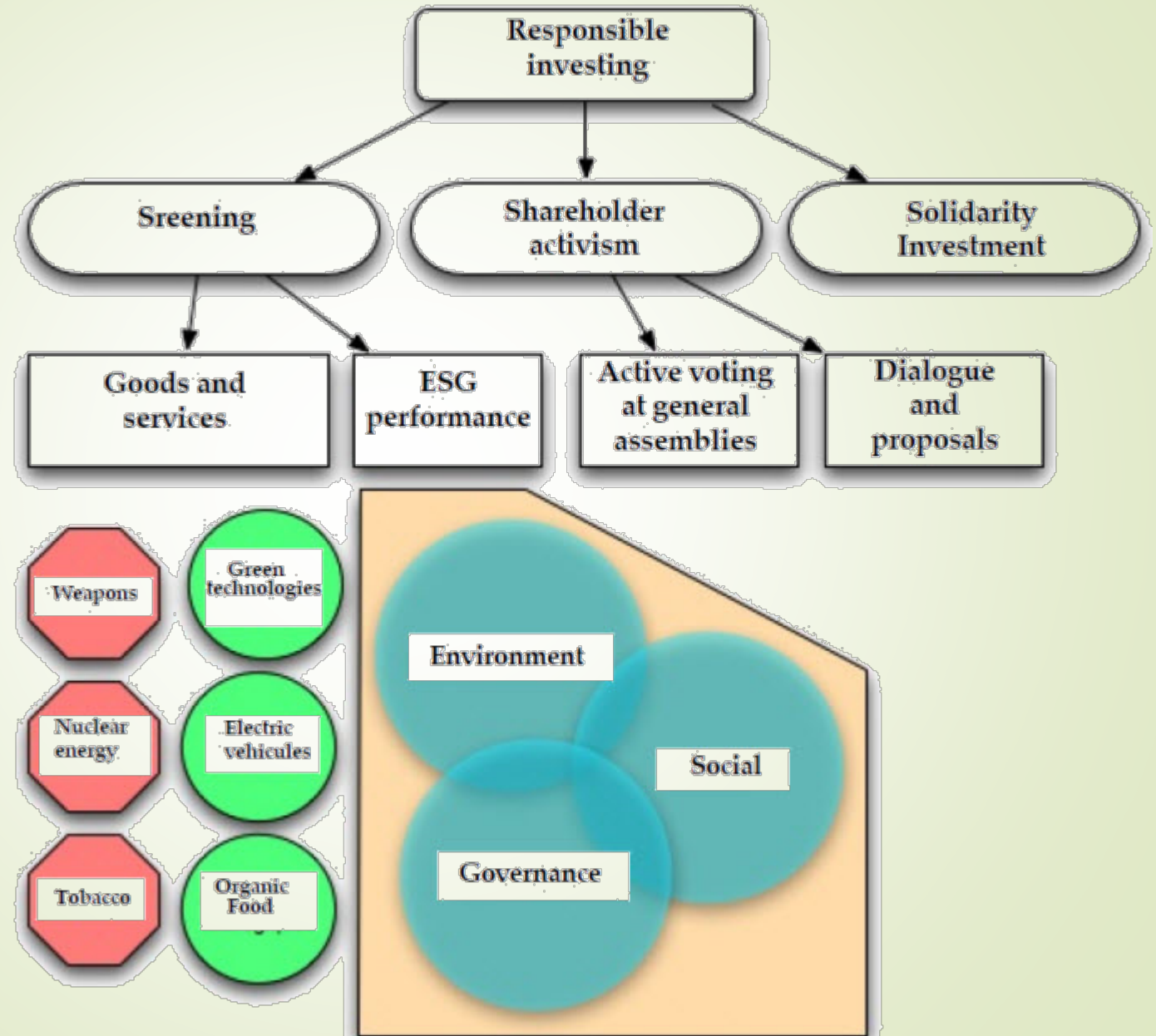



Responsible investment and sustainable development concepts

- **Responsible Investment strategies**
 - Screening
 - Active shareholding
 - Solidarity investment
- **ESG factors**
 - Environmental risks (E)
 - Social risks (S)
 - Corporate Governance Risks (G)
- **Industrial strategies and sustainable development**
 - Clean technology clusters
 - Circular economy

Types of responsible investment strategies (an investor may use one or more strategies concurrently)

Strategies for responsible investing





Environmental risks (E)

Main environmental risks implying businesses	Higher risk industrial activities
<i>Climate change</i>	Oil and gas, electricity, mining and metals, cement, mining, forest products, ...
<i>Contamination, water consumption and air pollution</i>	
<i>Preservation of biodiversity</i>	



Social risks (S)

Main social risks implying businesses	Higher risk industrial activities
<i>Workers' rights</i>	Manufacturing, clothing, toys, electronics
<i>Complicity in the violation of human rights</i>	Oil and gas, mines
<i>Community relations</i>	Oil and gas, mines

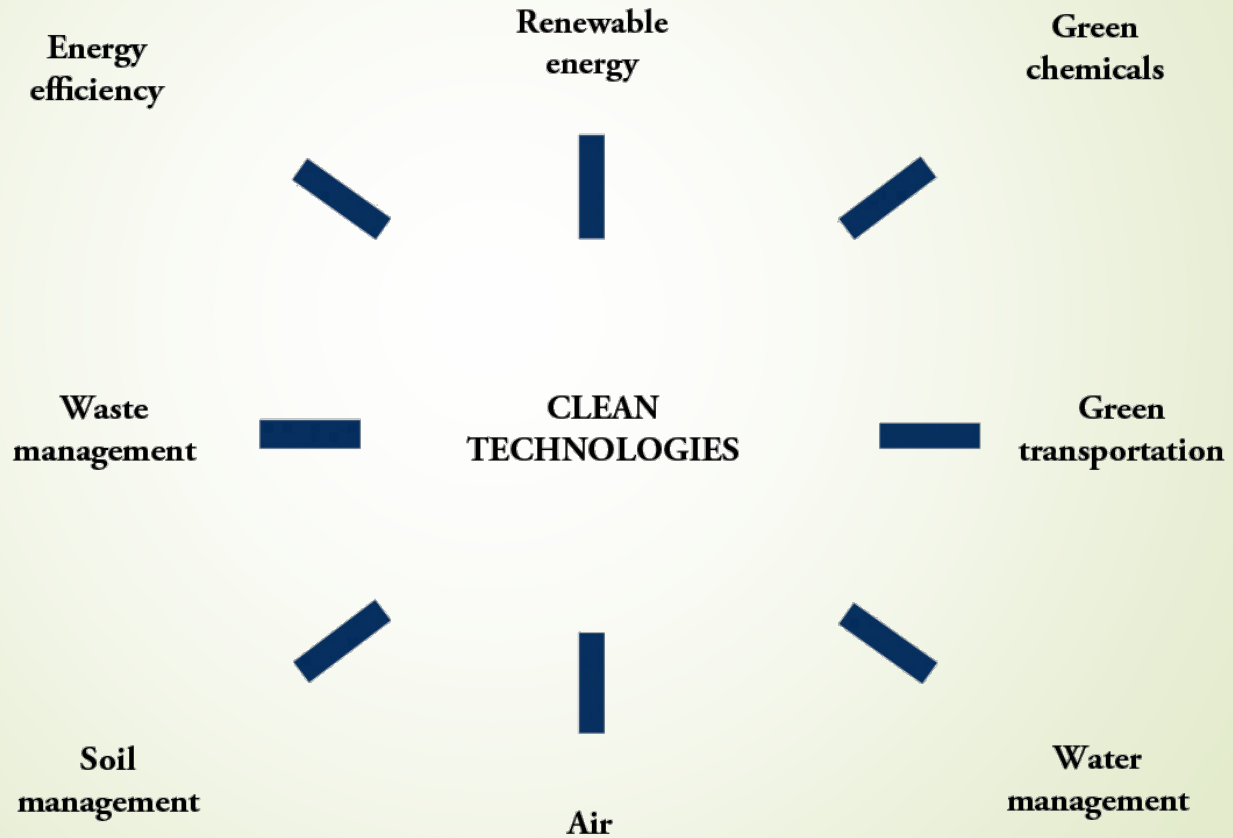


Corporate Governance Risks (G)

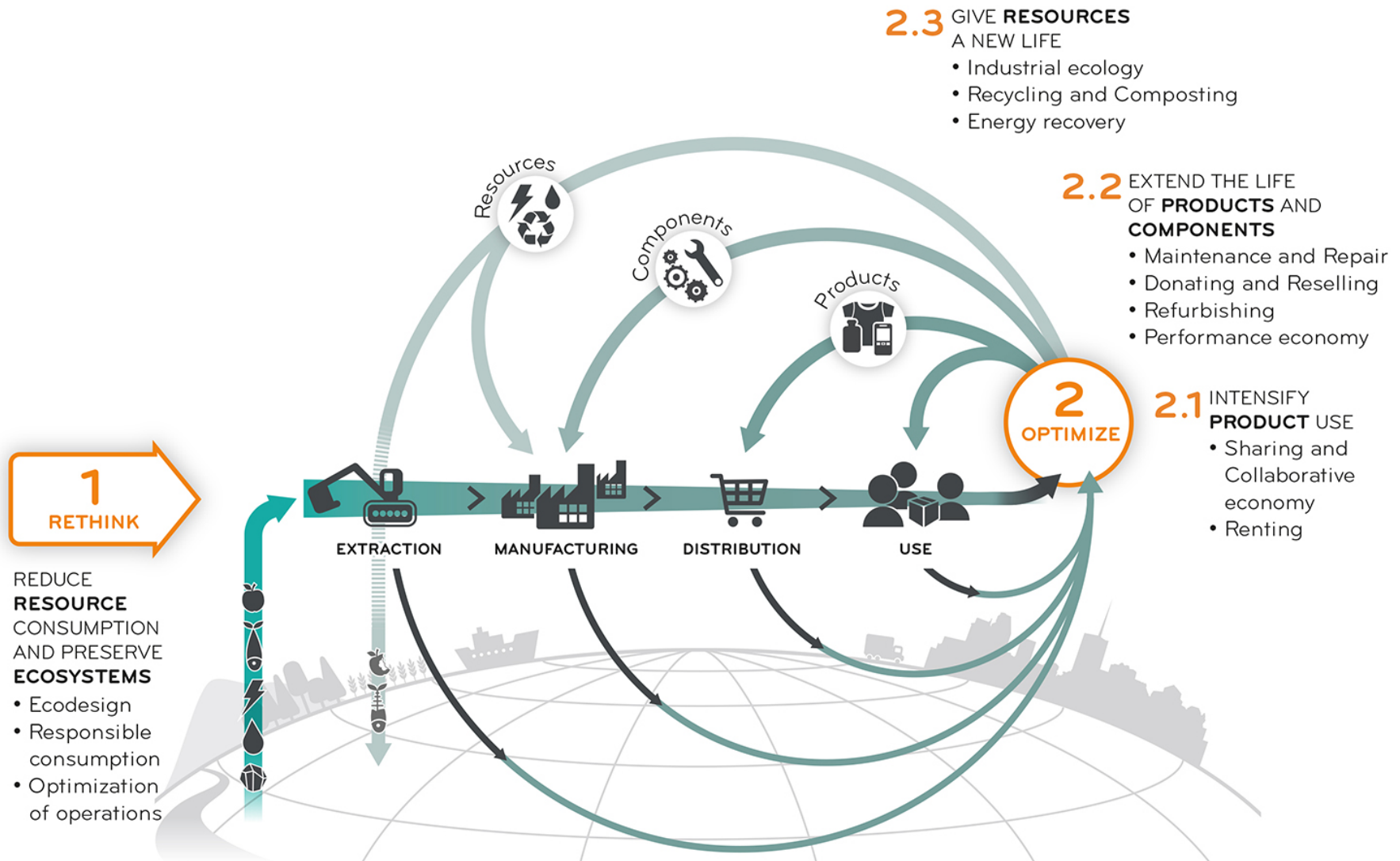
Key Corporate Governance Risks	Higher risk industrial activities
<i>Excessive remuneration of the CEO</i>	Large companies, all sectors combined
<i>Board of Directors composed of a majority of members related to management</i>	businesses where ownership is concentrated in an single individual or a family
<i>Tax heavens</i>	All sectors (especially financial institutions)

[ESG Risk Measures on Yahoo! Finance](#)

Clean technology clusters



Circular economy



Circular economy





- Collaborative or sharing economy
- Functional service economy, also called performance service economy
- Reconditioning, remanufacturing and repairing
- Industrial symbiosis
- Recycling

Responsible investment in Bourstad simulations

- ▶ Bourstad Challenge - Responsible Investment Guide
 - ▶ Documentation/Educational Content/Guide to Responsible Investment
- ▶ Responsible investment aspects of portfolio management
 - ▶ Investor sensitivity to socially responsible investment
 - ▶ Taking into account extra-financial risks in the strategy
 - ▶ Justification of transactions according to ESG factors
- ▶ Responsible investment component of the Bourstad competition
 - ▶ Online qualification questionnaire between March 14 and March 27, 2022
 - ▶ 40 questions, including 2 essay questions
 - ▶ Automated evaluation
- ▶ High School and College-level Responsible Investment Awards
 - ▶ 1^{er} grand prize, \$1000
 - ▶ 2^e Grand prix, \$500
- ▶ General public Responsible Investment Awards
 - ▶ Grand Prize, \$1000



ESG justification

Type of justification 	Justification	
Environmental aspects 	The firm is implementing a circular operations management system that begins at the conception phase.	
Social aspects 	The firm has set up a scholarship program to support young entrepreneurs	
Governance Aspects 	According to S&P Global, the firm has the best score in its industry for matters relating to governance.	



Funds and securities of particular interest for responsible investment

➤ Funds

- PowerShares Cleantech Portfolio (PZD)
- PowerShares Wilderhill Clean Energy Portfolio (PBW)
- SPDR Series Trust SSGA Gender Diversity Index (SHE)
- Guggenheim Solar ETF (TAN)
- BMO Gender Diversity Index (BMO31757:CA)
- RBC Vision Fossil Fuel Free Global Equity Fund D (RBF1430:CA)



Funds and Securities of Special Interest for Responsible Investment - Renewable Energy and Clean Technology Index

- ▶ 5N Plus (VNP:CA)
- ▶ Algonquin Power & Utilities Corp. (AQN:CA)
- ▶ Ballard Power Systems Inc. (BLDP:CA)
- ▶ Boralex Inc. Class A Shares (BLX:CA)
- ▶ Brookfield Renewable Partners L.P. (BEP.UN:CA)
- ▶ Cascades Inc. (CAS:CA)
- ▶ Clearwater Seafoods Incorporated (CLR:CA)
- ▶ DIRTT Environmental Solutions Ltd. (DRT:CA)
- ▶ EcoSynthetix Inc. (ECO:CA)
- ▶ Innergex Renewable Energy Inc. (INE:CA)
- ▶ NFI Group Inc. (NFI:CA)
- ▶ Northland Power Inc. (NPI:CA)
- ▶ Pinnacle Renewable Energy Inc. (PL:CA)
- ▶ Polaris Infrastructure Inc. (PIF:CA)
- ▶ SunOpta Inc. (SOY:CA)
- ▶ TransAlta Renewables Inc. (RNW:CA)
- ▶ Westport Fuel Systems Inc. (WPRT:CA)



Funds and Securities of Special Interest for Responsible Investing - Components of Corporate Knights' 100 Most Sustainable Companies

- ▶ Stantec Inc (5)
- ▶ CN (10)
- ▶ Cisco Systems Inc (13)
- ▶ Cascades Inc (17)
- ▶ Taiwan Semiconductor Manufacturing Co Ltd (20)
- ▶ IGM Financial Inc (29)
- ▶ ING GROUP NV ADS. (37)
- ▶ Transcontinental Inc (45)
- ▶ Bank of Montreal (47)
- ▶ HP Inc. (50)
- ▶ Telus (54)
- ▶ Intel Corp. (59)
- ▶ Accenture PLC (61)
- ▶ Sanofi Aventis (65)
- ▶ Cogeco Cable (68)
- ▶ Sun Life Financial Inc. (69)
- ▶ Agnico Eagle Mines (73)
- ▶ Unilever (79)
- ▶ AstraZeneca PLC (82)
- ▶ SAP AG (84)
- ▶ Canadian Solar Inc (85)
- ▶ Google (Alphabet Inc) (90)
- ▶ Teck Resources Limited (91)
- ▶ Tesla Inc (97)
- ▶ Novo Nordisk A/S (98)
- ▶ Canadian Tire Corporation (99)
- ▶ NVIDIA Corporation (100)

Qualifying test for the Responsible Investment component of the 2020 Boursstad Challenge

- Objective questions
 - Approximately 40 questions
- 2 Essay questions
- Parameters

Test administration

- Administration period
 - Begins on : March 14, 8:00 a.m. (EDT)
 - Ends on : March 27, 11:59 p.m. (EDT)
- Access limited to contest participants
- The members of a tandem carry out the test individually
- Limit of 2 attempts
- Time limit : 90 minutes

2 Essay questions

- Question 1. Shareholder proposal for one of the companies whose shares were traded in the 2022 BOURSTAD Challenge
- Question 2 - current issues of responsible investment and sustainable development

Note: the communiqué announcing the launch of the qualification test contains the precise wording of these questions

Qualification test-Communiqué

197 465.44 \$

Simulation

- Dashboard
- Management
- Transaction
- Portfolio
- Responsible Investment Test
- Banking
 - Bourstad Challenge
- Resources
 - Documentation**
 - Notifications
 - Detailed report

Documentation

English French

RESOURCES

- All
- Information on securities
- How it works**
- Contest rules
- Educational content
- Knowledge tests
- Autorité des marchés financiers
- CFA Montréal
- FinEcoLab Games from CIRANO
- Honor roll
- To the Bourstad Challenge contestants

ABC - Beginner's Kit - Content ⓘ	ABC - Teacher's Kit - Content ⓘ	Displaying Bourstad Anytime if you have more than one account ⓘ
Ajouté: 2019-10-04 20:46	Ajouté: 2020-08-20 20:30	Ajouté: 2020-04-22 11:03
Guidelines for Completing the Responsible Investing Qualification Test (2020) ⓘ	How to make a transaction in a Bourstad simulation ⓘ	Online release of the qualification test for the Responsible Investment component (2022) ⓘ
Ajouté: 2020-03-12 18:05	Ajouté: 2017-12-19 16:59	Ajouté: 2022-03-04 18:53

Test of Qualifications - Guidelines



The screenshot shows the BOURSTAD website interface. The top navigation bar includes the BOURSTAD logo, a balance of 197 475.16 \$, and a menu for 'Concours Bourstad 2022'. A prominent banner at the top right reads 'Register in the 2022 Bourstad Challenge. More than \$ 30,000'. The left sidebar contains navigation links for Simulation, Dashboard, Management, Transaction, Portfolio, Responsible Investment Test, Ranking, Bourstad Challenge, Documentation, Notifications, and Detailed report. The main content area features a highlighted title 'Guidelines for Completing the Responsible Investing Qualification Test' and a section titled 'Test administration' with a bulleted list of rules. Below this is an 'Additional information' section with a paragraph and another bulleted list.

BOURSTAD
197 475.16 \$

Concours Bourstad 2022 - Register in the 2022 Bourstad Challenge. More than \$ 30,000

Français

Guidelines for Completing the Responsible Investing Qualification Test

Test administration

- The qualification test for the Responsible Investment component will be administered between March 14, 2022, 8 a.m. (EDT) and March 27, 2022, 11:59 p.m. (EDT)
- This test is offered exclusively to participants of the 2022 Bourstad Challenge
- The qualification test for the Responsible Investment component is an individual test for those who participate in the simulation within a tandem; when the 2 members of a tandem wish to complete the qualification test, they must do so individually.
- The time allocated to pass the test is 90 minutes.
- Each participant in the contest is limited to 2 attempts to pass this test

Additional information

An email communication was sent to all participants in the Bourstad Challenge on March 14, 2022. This communication can be found in the documentation system:

- Documentation / To the Bourstad Challenge contestants / 220307 - Responsible Investment component

A press release entitled "Online release of the qualification test for the Responsible Investment component 2022)" is published in the documentation system

- Documentation / How it works / Online release of the qualification test for the Responsible Investment component 2022

Preparation of the annual ESG Trends Report

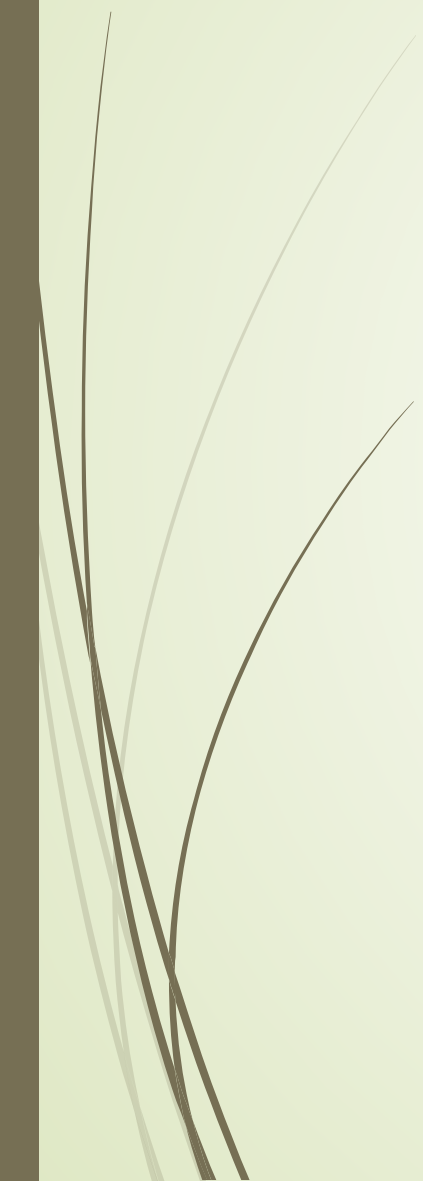
The shareholder proposal



- ▶ **Thomas Estinès,**
MBA, Adm. A
- ▶ Co-General Manager
Responsible Investment
Group
 - ▶ Working at GIR since
2013
- ▶ Responsible Investment
Analyst
Desjardins
 - ▶ 2013-2016



Acknowledgements

- To our guest expert, Mr. Thomas Estinès, Co-CEO of the Responsible Investment Group
 - To the CIRANO Events Coordinator, Ms. Manon Blouet
 - To all those who attended this third webinar
- 

Partenaires Or



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