



Partenaire principal



## Portfolio Management in a Bourstad simulation

Webinar for 2023 Bourstad Challenge participants Thursday, February 16, 7 p.m.

Guest speaker: Ms. Erika Toth, CFA, Director, BMO ETFs, Eastern Canada

## Content

### Welcome

- Portfolio management in a BOURSTAD simulation
  - The investor's profile
  - The investment strategy
  - Learning objectives
- Portfolio Management Assessment in the Bourstad Challenge

- A Primer on the Canadian ETF Industry
  - Erika Toth, CFA, Director – BMO ETFs, Eastern Canada



## Portfolio management in the Bourstad Challenge

- The criteria used by the jury to evaluate the quality of the portfolio management are:
  - consistency of the fictitious-investor
  - choice of strategies and their consistency with the investor
  - transactions carried out according to the strategies in force
  - portfolio management follow-up according to the mandatory justifications provided
  - quality of the additional justifications
  - performance achieved in relation to the investor's objectives and profile
  - learning objectives achieved
  - consideration of responsible investment concepts

## Portfolio management on the Bourstad platform

- The investor's profile
  - Who is your fictitious investor?
- The investment strategy (Portfolio management)
- Learning objectives

Many resources available in the documentation system

# Transaction in a Bourstad simulation

Documentation	Recent market quotation
🞓 Detailed report	Symbol: XIU:CA (2019-02-13 15:30:37)
	Bid: 23.50 CAD
	Ask: 23.51 CAD
	Image: ConfirmationImage: ConfirmationImage: ConfirmationConfirmation
	1.1 Transaction order
	iShares Cdn Large Cap 60 Index ETF
	Transaction Type
	Buy order at market price in session
	Quantity*
	100 × Units

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# Transaction in a Bourstad simulation (cont'd)

#### 1.2 Quantitative Impacts on the Portfolio

Quantity held after the transaction	Units	s
Liquid balance after transaction *		5
Elquid balance arter transaction		r

#### 1.3 Weight of asset types and business lines

Liquid assets	No change	~
Bonds	No change	~
Utilities	No change	~
Financial services	No change	~
Consumer products	No change	~
Industrial products	No change	~
Natural resources	No change	~

#### 1.4 Investment Objectives (changeable for 48 hours)

Income objective	0.0	%	
Targeted capital gain	0.0	%	

## Portfolio management in a Bourstad simulation

#### Simulation

#### **B** Dashboard

#### Management

Transaction

#### \$ Portfolio

\$ Responsible Investment Test

#### Ranking

#### Bourstad Challenge

esources

#### Documentation

Detailed report



#### Investor profile

Define the fictitious investor for whom you will act as an investment advisor during the simulation.



Learning Objectives and Achievements

Describe the learning objectives you are pursuing in this simulation. You will then describe your accomplishments



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## Investor profile

	Investor profile		
Investor description			Investment Information
Targeted performance as :	Income Appreciation	96	
Risk Tolerance			
Investment Experience			
Investment Knowledge			
Total Assets		\$	
Total debt		\$	
Total Annual Income		\$	
Investor profile	<ul><li>Prudent</li><li>Middle</li><li>Speculator</li></ul>		
Enregistrer les modifi	fications? Annuler	Enregist	trer

## Investment strategy

Portfolio Management

#### 1. Approaches

What style of portfolio management will you use?

- Active (aims to exceed the return of the stock index)
- O Passive (aims to match the performance of the stock market index)

What use will you make of each of these aproches ? Click to choose the level.

Top-down approach

Bottom-up approach

#### 2. Asset Class Weights and Risk Levels

How important will each sector be in the portfolio?

Fixed rate investments	%
Liquidity	0
Bonds	0
Stocks	%
Utilities	0
Financial services	0
Consumer products	0

Cancel

### Objectives and achievements of the participant



Portfolio Management Assessment in the Bourstad Challenge

### Portfolio Management Assessment Measures

- Formative evaluation in a Bourstad simulation
  - 5 measures
- Summative Evaluation in the Bourstad Challenge
  - 14 measures

### Formative measures

- Realism of the investor's situation
- Coherence between the investor profile and their risk sensitivity
- Coefficient of learning index at the beginning of the simulation
- Strategy vs Real Portfolio Weighting Gap
- Portfolio investment rate

## Summative measures

- Realism of the investor's situation
- Coherence between the investor profile and their risk sensitivity
- Coherence between sector weights in the strategy in place on February 27th and the investor profile
- Coherence between sector weights in the strategy in place on March 27th and the investor profile
- Coefficient of learning index at the beginning of the simulation
- Estimation of learning realized during the simulation
- Financial performance considering the investor profile

- Average liquid balance maintained during simulation
- Compatibility of additional justifications with the fundamental / technical profile
- Weight of sectors in the portfolio on February 27th Vs weightings of the investment strategy
- Weight of sectors in the portfolio on March 27th Vs weightings of the investment strategy
- Assessment of the impact of transactions on the weights of the sectors in the portfolio
- Estimation of the liquid balance after transactions
- Taking into account risks related to corporate social responsibility (ESG)

### Automated Evaluation of Portfolio Management - Dissemination

- Formative evaluation during the simulation
  - 5 evaluation measures
  - The participant consults his formative evaluation
    - On the participant's dashboard (Achievements)
    - In the detailed report accurately

- Summative evaluation when simulation is complete
  - 14 evaluation measures
  - The participant's detailed report displays it when the simulation is over

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	Summative Assessment		Ð
Simulation Participant Username	2018 Bourstad Challenge Anthony Smith antony@iclf.ca	The formative measures are highlighted	9
Number of eligible transactions	11		
Marks			
Portfolio Management Assessment			^
Criteria		Weighting	Score
Consistency of investor profile and risk s	ensitivity	8 %	100.00 %
Coherence between sector weights in th	e strategy in effect on 2018-12-25 and the investor profile	5 %	86.97 %

Coherence between sector weights in the strategy in effect on 2018-12-26 and the investor profile	10 %	86.97 %
Index of the learning coefficient at the beginning of the simulation	5 %	100.00 %
Estimation of learning achieved during the simulation	5 %	0.00 %
Financial performance considering the investor profile	10 %	54.21 %
Average liquid balance maintained during simulation	10 %	75.62 %
Compatibility of additional justifications with the fundamental / technical profile	5 %	97.50 %
Weight of sectors in the portfolio on 2018-12-25 Vs weightings of the investment strategy	5 %	75.00 %
Weight of sectors in the portfolio on 2018-12-26 Vs weightings of the investment strategy	7 %	74.50 %
Assessment of the impact of transactions on the weights of the sectors in the portfolio	10 %	61.54 %
Estimation of the liquid balance after transactions	10 %	98.19 %
Taking into account risks related to corporate social responsibility (ESG)	5 %	0.00 %
Realism of the investor's situation	5 %	83.50 %

## The participant's dashboard



# Realism of the investor's situation



- A person has entrusted you with \$200,000 to invest on their behalf in the financial markets
- This is probably not
  - Warren Buffet or Jeff Besos
  - A recent 6-49 winner
  - A college graduate who just got his first job

# Coherence between the investor profile and their risk sensitivity

Coherence between the investor profile and their risk sensitivity



- What is the investor profile of the person who has retained your investment counselling services?
- This should be determined by taking into account risk factors:
  - Dependents
  - Job security
  - Debt load

. . .

Consistency between the sector weights in the strategy as of February 27 and the investor's profile

Coherence between sector weights in the strategy in place and the investor profile



- Cash (1)
- Bonds (2)
- Utilities (3)
- Financial Services Sector (4)
- Consumer Products Sector (5)
- Industrial Products Sector (6)
- Natural Resources Sector (7)

# Financial performance considering the investor profile

### Financial performance considering the investor profile (2022)



The purpose of this measure is to verify whether the financial performance achieved is in line with the investor's profile.

### Average liquid balance maintained during simulation

Average liquid balance maintained during simulation



- You should aim to invest the maximum amount of the sum entrusted to you
- Exemption for which no penalty is applied: \$5,000

# Compatibility of additional justifications with the fundamental / technical profile

#### Compatibility of justifications with the fundamental / technical profile



TECHNICAL ANALYSIS			
Identification of ups and downs		Yes 🔘	No
Study of moving averages		Yes O	No
Study of short-term fluctuations		Yes 🔘	No
FUNDAMENTAL ANALYSIS			
Calculation of ratios		Yes 🔿	No
Calculation of the fundamental value		Yes 🔘	No
Analysis of the management and projects of the company	0	Yes 🔿	No

Weight of sectors in the portfolio Vs weightings of the investment strategy

Weight of sectors in the portfolio Vs the current strategy



- You should aim to create an actual portfolio that matches your strategy allocation :
  - Cash
  - Bonds
  - Utilities sector
  - Financials Sector
  - Consumer Products Sector
  - Industrial Products Sector
  - Natural Resources Sector

Assessment of the impact of transactions on the weights of the sectors in the portfolio

> Assessment of the impact of transactions on the weights of the sectors in the portfolio



- Keep in mind the impact a trade normally has on your cash balance:
  - Buy: decrease
  - Selling: increase
- There is one exception!
  - (buying or selling a 100% liquid asset)

# Estimation of the liquid balance after transactions

Estimation of the liquid balance after transactions



- Make a reasonable estimate of your cash balance after a trade order is executed
  - There is a tolerance of \$250, so there is no need to calculate to the nearest dollar.

### Relevant documentation

- 2023 Bourstad Challenge Important Dates and Deadlines
  - Documentation / Contest Rules
- Portfolio management in a Bourstad simulation
  - Documentation / How it works
- Assets and average household liabilities Canada 2010
  - Documentation/Educational content
- Revenus totaux des ménages québécois, 2010
  - Documentation/Educational content (French)
- Enregistrement vidéo <u>Webinaire Les bases de</u> <u>l'investissement boursier</u> (31 janvier 2023)
  - Version PDF de la présentation utilisée

## A Primer on the Canadian ETF Industry



Erika Toth, CFA

- Director BMO ETFs, Eastern Canada, BMO Global Asset Management
  - Joined BMO Global Asset Management 10 years ago
- Joined BMO Financial Group a few years before as a consultant to high net worth clients and Investment representative

## Question and answer period



## Acknowledgements

- To our guest expert,
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- To all those who attended this second webinar of the Bourstad 2023 series

## Next webinar

- Sustainable Investment in the Bourstad Challenge Thursday, March 9, 7:00 p.m. to 8:00 p.m.
- Guest experts:
  - Thomas Estinès, co-director of the Groupe Investissement responsable (GIR)
  - Michel Magnan, CIRANO Fellow, professor at Concordia University



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