

ERPsim

Start of Term Webinar / 2024 Edition

Please Note

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Webinar
Online | August 13, 2024

ERPsimLab
HEC MONTRÉAL



Serious games to learn enterprise
systems and business analytics

Agenda

1. **Welcome**
2. **Highlights of 2023-2024**
 - ▶ Business Builders
 - ▶ Maple Card Game
3. **ERPsim licensing, training, certification**
4. **ERPsim in 2024-2025**
5. **Q&A**

Highlights of 2023-2024

- Launch of the new Business Builders game
- New Card Game to learn business processes concepts

Game-based Learning for ERP

ACADEMIC

20+ years in use
3 000+ faculty trained

Every year, more than
6 000+ simulations
are played by
25 000+ students
across
250+ universities
from around the world

COMMERCIAL

Many large organizations, such as Boeing, Coca-Cola, 3M, Kraft, Caterpillar, Pfizer and SAP, are using ERPsim to train their end-users on ERP systems.

BÂTON

RESEARCH

Several researchers have started using ERPsim to run experimental protocol in IS.

Visit
<http://erpsim.hec.ca/research>

WINNER OF THE

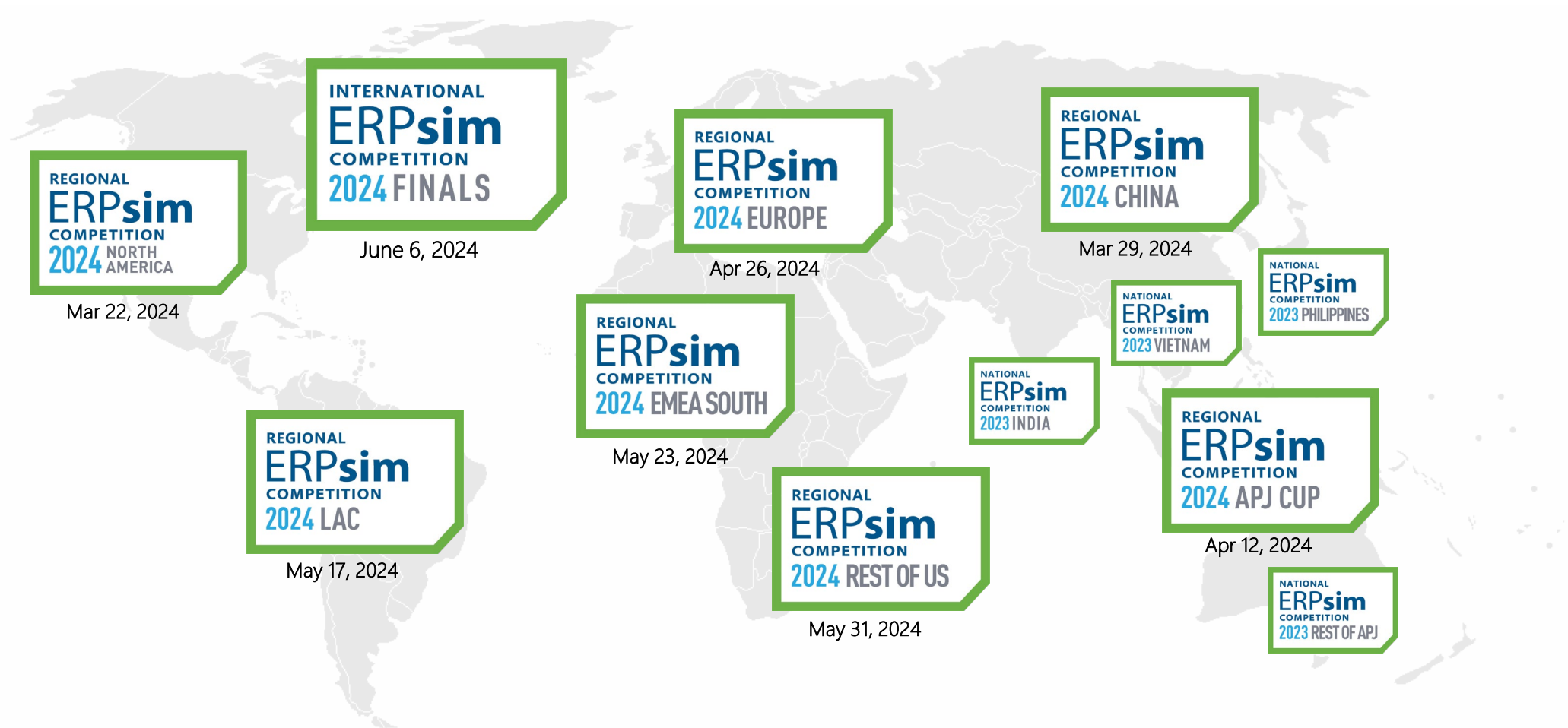
2013 Prix de l'innovation pédagogique Cidegef/FNEGE

2007 Majdi Najm Award

2006 HEC Montréal Award for teaching excellence for an assistant professor

2005 HEC Montréal Award for the use of technology in teaching

ERPsim Competitions 2024



ERPsim Licensing Options

Does not include UCC hosting fees

Individual licenses

Purchased directly by students
Valid for one course, for the full semester

Bulk purchase

Pricing adjusted to UN Human Development Index
Inquire for a quote

Event-based pricing

For a short-term use (competitions, gameathons, open house days, recruitment days, intra-university games, intro courses)
Limited access to instructional assets

Free use for research

For qualified experimental research

Pricing and Support

Does not include UCC hosting fees

ERPsim License

\$57 CAD per student,
valid for one course
(max. 6 months)

Effective price from August 1st 2024 to July 31st 2025.
May change at anytime.
Visit <https://ersim.hec.ca/buy> for conditions.

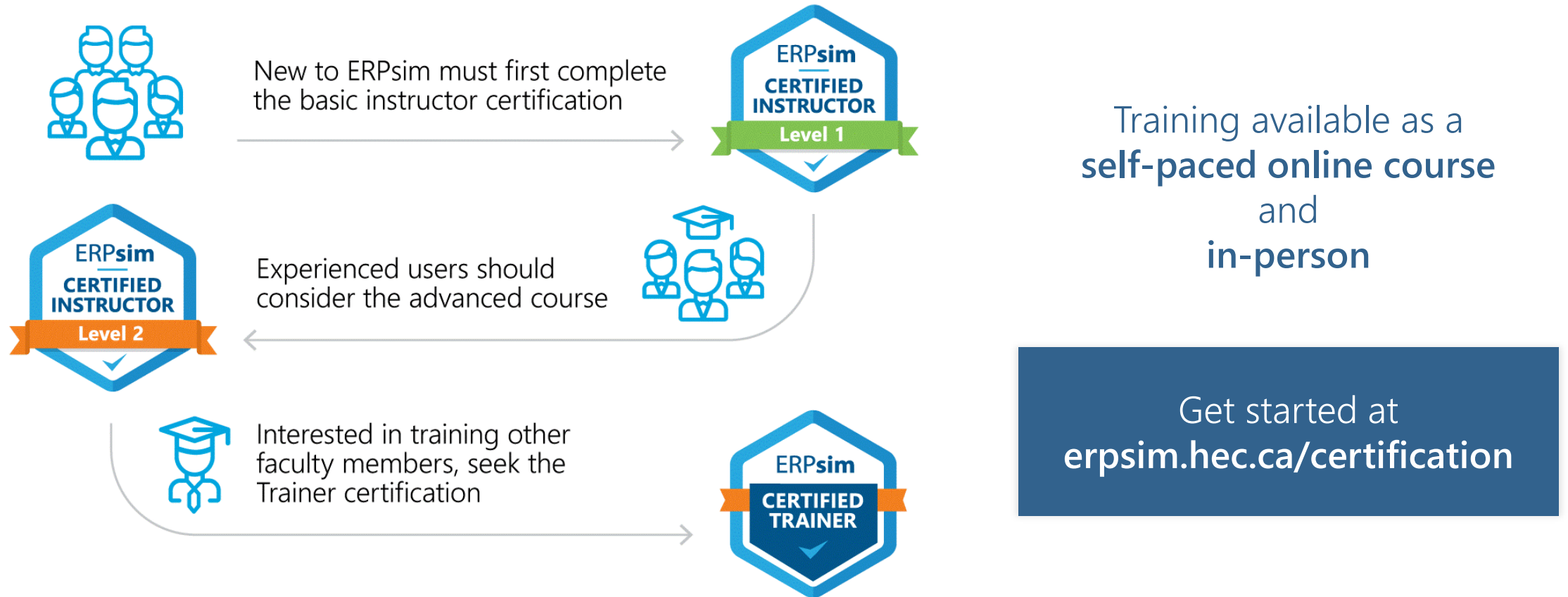
In the event of a disparity between the price presented on this slide and the one on <https://ersim.hec.ca/buy>, the latter shall prevail.

The license includes

- For the student:
 - i. Access to the simulation game
 - ii. Access to the pedagogical material (job aids, participant's guide, slides, self-training videos, etc.)
- For the professor:
 - i. Ability to start and manage any of the game scenarios, unlimited for the duration of the course
 - ii. Access to technical and pedagogical support from HEC Montréal



ERPsim Training and Certification



FACULTY HIGHLIGHT SERIES



- A series of interviews showcasing the work of faculty members
- Learn more about their experience, teaching best practices, research projects, and tips and tricks using ERPsim
- A new entry showcased every two weeks!

erpsim.hec.ca/faculty-highlight-series

SAP System

Version

SAP S/4HANA 2022

Supported UI

SAP Fiori and SAP GUI

Analytics

SAP standard reports
Smart Business
OData Service 2.0

Languages
(BETA)

English, French, Spanish,
German

The screenshot shows the SAP Fiori Launchpad interface for the Logistics Extended game. The top navigation bar includes the SAP logo and a 'Home' dropdown menu. Below the navigation bar, there are tabs for 'Simulation Overview', 'Planning', 'Procurement', 'Logistics', 'Sales', and 'Accounting'. The main content area is divided into several sections, each containing tiles for different functions:

- Simulation Overview:** Simulation Date (01, Round 03), Elapsed Steps (41, Period 9), and Company Valuation (1.44 M, EUR).
- Planning:** Create Planned Independent Requirements (MD61), MRP Run (MD01), and Inventory Report (ZMB52).
- Procurement:** Create Purchase Orders (ME59N, PurReq to convert), Procurement Sourcing (ZME13), Purchase Order Tracking (ZME2N), and Purchase Orders Expected Delivery on (02/05, 8.00K ST).
- Logistics:** Stock Transfer (ZMB1B), Inventory Report (ZMB52), and Stock Transfers Latest Stock Transfers (No data).

SAP Fiori Launchpad configured for the
Logistics Extended game

Job Aids, Slides, Guides, Videos

- All job-aids, slides and guides updated for academic year 2024-2025
- Available in English and French
- For videos, available with French, English, and Spanish subtitles



Manufacturing Introduction Game

User: **\$ 1 to \$ 9**
Initial password: **ERSIM**

Adapted for Fiori and for SAP GUI with Fiori Visual Theme Activated
© ERPSim Lab, HEC Montréal
Last Update: July 12, 2021



Nut	
\$\$-F01	500g
\$\$-F11	1kg
Starting Inventory	30 000 units each
35% wheat 35% oat 30% nut 1 box / 1 bag	



Blueberry	
\$\$-F02	500g
\$\$-F12	1kg
Starting Inventory	30 000 units each
35% wheat 35% oat 30% blueberry 1 box / 1 bag	



Strawberry	
\$\$-F03	500g
\$\$-F13	1kg
Starting Inventory	30 000 units each
35% wheat 35% oat 30% strawberry 1 box / 1 bag	



Raisin	
\$\$-F04	500g
\$\$-F14	1kg
Starting Inventory	30 000 units each
35% wheat 35% oat 30% raisins 1 box / 1 bag	



Original	
\$\$-F05	500g
\$\$-F15	1kg
Starting Inventory	None
50% wheat 50% oat 1 box / 1 bag	



Mixed	
\$\$-F06	500g
\$\$-F16	1kg
Starting Inventory	None
30% wheat 30% oat 40% fruits & nuts 1 box / 1 bag	

CUSTOMERS	
	DC 12: Grocery Chains Payment Time: 10-20 days
Approximate Market Size €360 000 per team per week	

STORAGE CAPACITY AND COSTS		
Product type	Current space	Cost per additional 50 000 units*
Finished products	250 000 boxes	€500/day
Raw materials	250 000 kg	€1 000/day
Packaging (bags and boxes)	750 000 units	€100/day

SUPPLIERS	
Lead time (days)	1-5
Payment time (days)	20

PRODUCTION CONSTRAINTS	
Capacity (units/day)	16 000
Setup time (hours)	8
Minimum/Maximum Lot Size	16 000/16 000

FIXED COSTS (€ paid each 5 days)*	
Labor	10 000
Manufacturing overhead	7 500
S, G & A	20 000
Depreciation (Building)	1 250
Depreciation (Equipment)	33 333

*Billed automatically



Business Builders

gives educators the opportunity to prepare future leaders for an increasingly complex and data-driven world.



Enhanced visualization and data storytelling skills



Scenarios driven by data, which replicate real-world business challenges



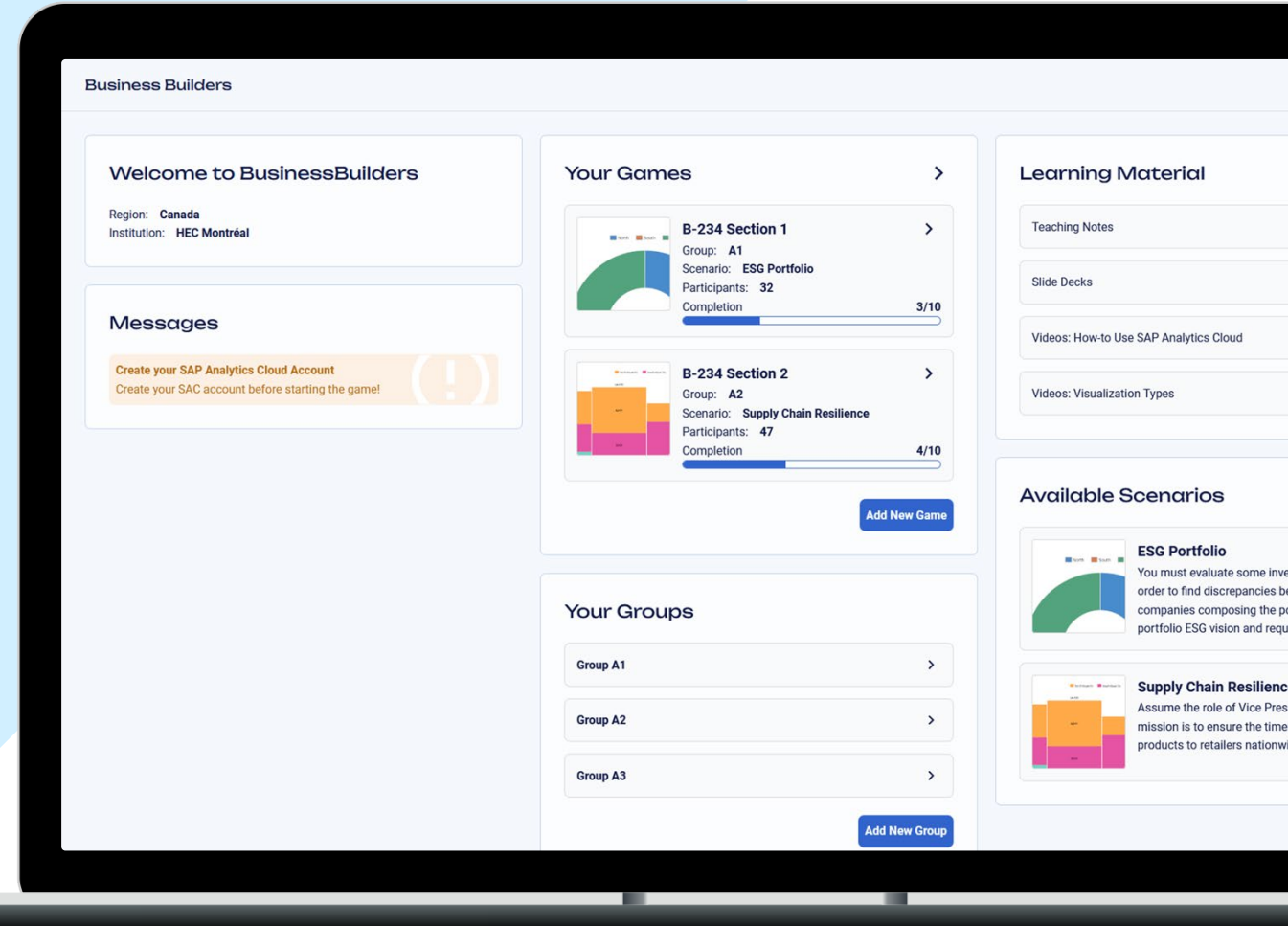
SAP and academic collaboration



Students gain the practical skills to succeed in future careers



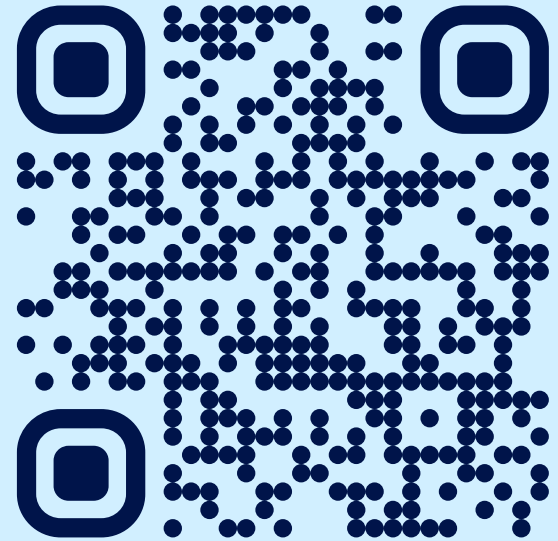
Competitive advantage in the job market



Business Builders: Start Today!

Take advantage of controlled access with daily training and feedback sessions

- 1 Register with your university email at businessbuilders.games
- 2 Choose the training session on the date and time that works best for you. Sessions are scheduled **every week**
- 3 Prepare to use Business Builders in the upcoming academic period



Scan the QR code
and register for a training
session with HEC Montréal!

Maple Card Game

Hands-On Learning:

Provide students with a tactile experience of basic business processes like buying, producing, and selling without the need for IT support.

Understanding Value Creation:

Help students realize the distinction between creating value through product transformation and managing information flow.

Highlighting Efficiency:

Demonstrate how minimal time is spent on actual value creation activities versus managing information, prompting discussions on efficiency.

Illustrating Information Flow in Business Processes:

Show the complexity and effort involved in managing information flow to keep the company operational, emphasizing the importance of effective information systems.

9

What you can sell this week



The maximum quantity of bottles you can invoice this week is: 5

This week, each bottle costs: 6.00\$

10


What you can buy this week



The maximum quantity of barrels you can order this week is: 8

This week, each barrel costs: 6.00\$

Maple Card Game



An Introduction To Business Processes

ERPsimLab | HEC MONTRÉAL

2025 ERPsim User Group Meeting

Save the Date

August 11-13, 2025

**At HEC Hélène-Desmarais (downtown) campus
Montréal, Canada**

**Note that AMCIS 2025 will also happen in
Montréal on August 14-16, 2025!**



ERPsim Faculty Challenge
Manufacturing Sustainability
Faculty Friendly Competition

[Register now!](#)

November 1, 2024 • Online • 10 am Montréal Time

Photo by Freepik

Questions

Thank You!

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