ERPsim

Start of Term Webinar

Please Note

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Webinar
Online | January 7, 2025

ERPsimLab | HEC MONTRÉAL | 20TH ANNIVERSARY

Serious games to learn enterprise systems and business analytics

Agenda

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

ERPsim © 2004-2025, ERPsim Lab, HEC Montréal.

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.

BÅTON

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

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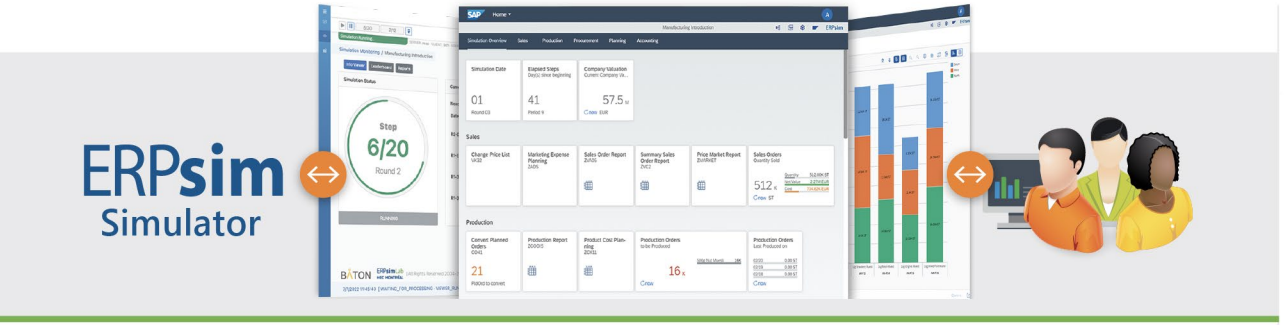
Highlights of 2024

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

ERPsim Lab Solutions

ERPsim



HEC MONTRÉAL ERP SIMULATION GAME *Manufacturing Game* powered by ERPsim

MANUFACTURING

INTRODUCTION | EXTENDED | ADVANCED | SUSTAINABILITY

HEC MONTRÉAL ERP SIMULATION GAME *Logistics Game* powered by ERPsim

LOGISTICS

INTRODUCTION | EXTENDED | PLATINUM | SUSTAINABILITY

HEC MONTRÉAL ERP SIMULATION GAME *Maple Game* powered by ERPsim

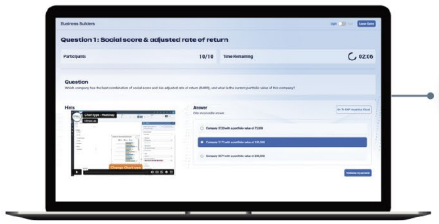
MAPLE

INTRODUCTION

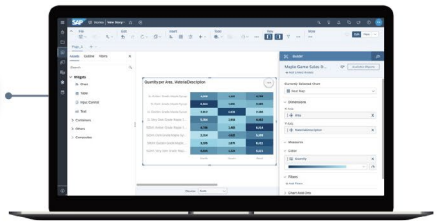
Maple Card Game

Business Builders

Gaming Platform

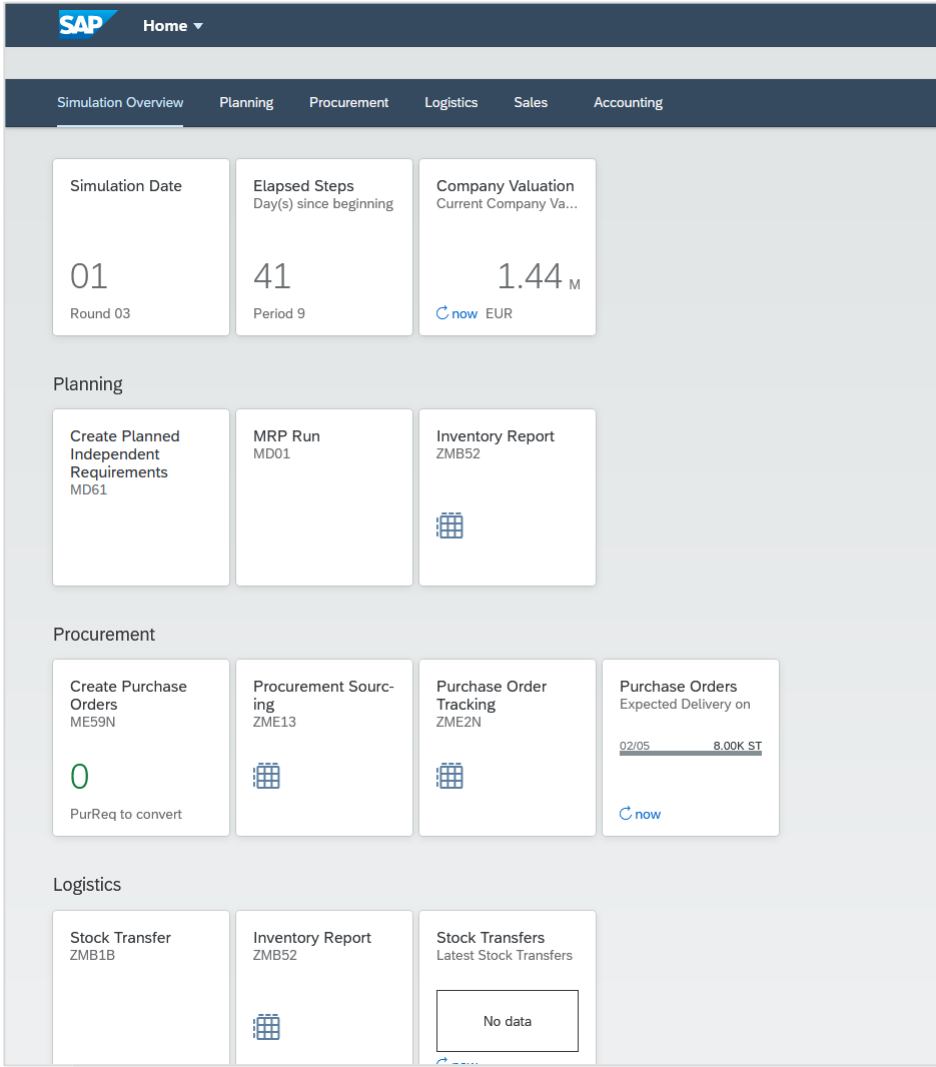


SAP Analytics Cloud



SAP System

Version	SAP S/4HANA
Supported UI	SAP Fiori and SAP GUI
Analytics	SAP standard reports Smart Business OData Service 2.0
Languages (BETA)	English, French, Spanish, German



SAP Fiori Launchpad configured for the Logistics Extended game

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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

HEC MONTRÉAL ERP SIMULATION GAME Manufacturing Game
powered by ERPsim

Manufacturing Introduction Game

User: $_1 to $_9
Initial password: ERPSIM

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

Nut	Blueberry	Strawberry	Raisin	Original	Mixed
$$-F01 / $$-F11	$$-F02 / $$-F12	$$-F03 / $$-F13	$$-F04 / $$-F14	$$-F05 / $$-F15	$$-F06 / $$-F16
500g / 1kg	500g / 1kg	500g / 1kg	500g / 1kg	500g / 1kg	500g / 1kg
Starting Inventory: 30 000 units each	Starting Inventory: 30 000 units each	Starting Inventory: 30 000 units each	Starting Inventory: 30 000 units each	Starting Inventory: None	Starting Inventory: None
35% wheat 35% oat 30% nut 1 box / 1 bag	35% wheat 35% oat 30% blueberry 1 box / 1 bag	35% wheat 35% oat 30% strawberry 1 box / 1 bag	35% wheat 35% oat 30% raisins 1 box / 1 bag	50% wheat 50% oat 1 box / 1 bag	30% wheat 30% oat 40% fruits & nuts 1 box / 1 bag

CUSTOMERS

DC12

DC 12: Grocery Chains
Payment Time: 10-20 days

Approximate Market Size
€360 000 per team per week

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

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

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

North — DC12 19 Stores
West — DC12 17 Stores
South — DC12 23 Stores

2/2

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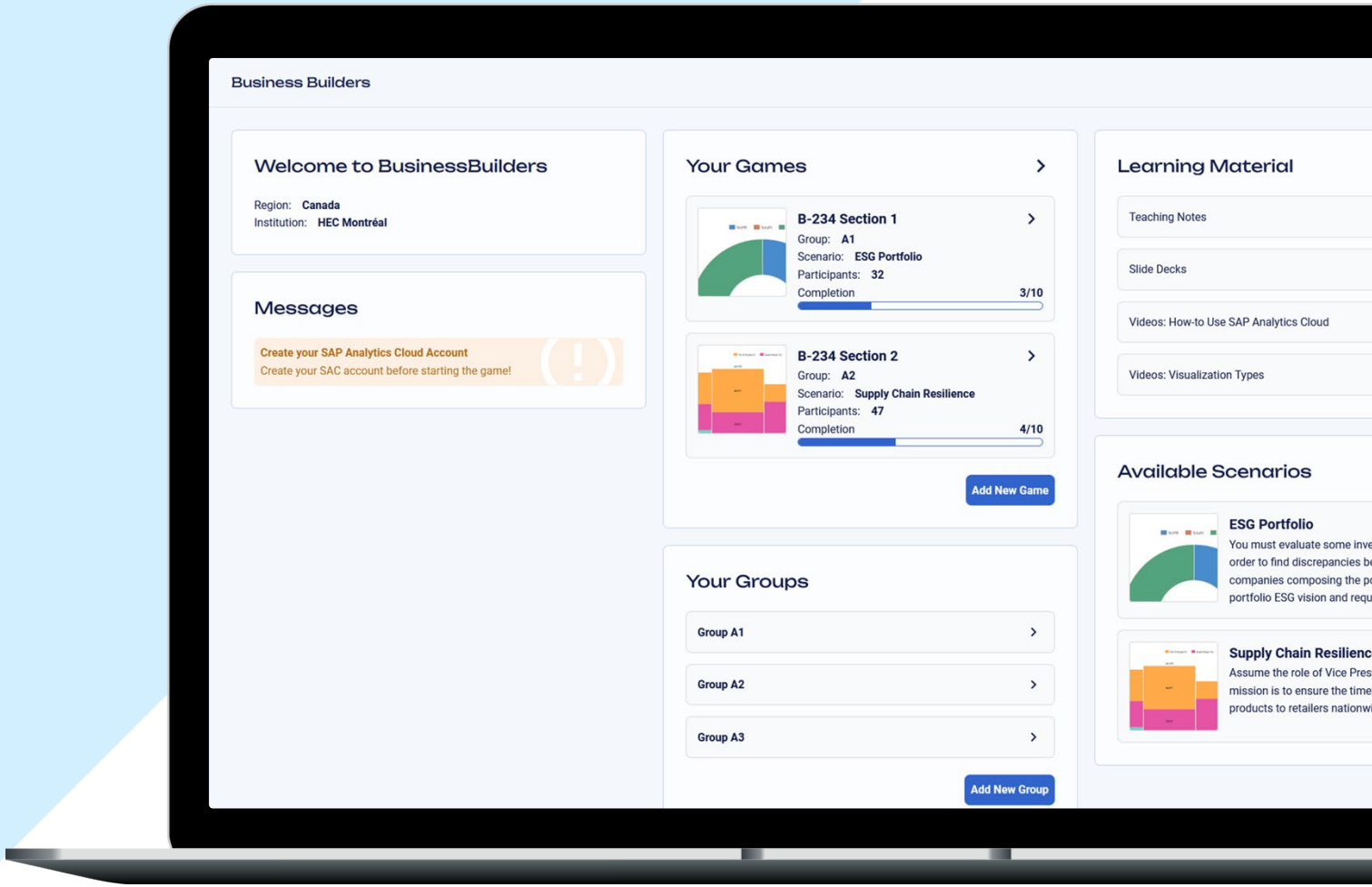
Business Builders

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
- **Free**, cloud-based offering for educators and students around the world



Welcome to Business Builders

Region: **North America**
University: **HEC Montréal**

Messages

SAP Analytics Cloud

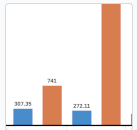
Create your SAP Analytics Cloud Account

Business Builders Training

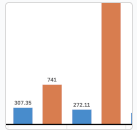
Learn how to get started with Business Builders. You can book one of the available training sessions now.

Register to a training session

Your Games



Event Test 2
Group: **Group JFM**
Game ID: **Supply Chain Resilience - Stage 2**
Participants: **1**
Completion **2/10**



Event Test 1
Group: **Group JFM**
Game ID: **Supply Chain Resilience - Stage 1**
Participants: **1**
Completion **0/10**

Add New Game

Your Groups

Group JFM

Add New Group

Learning Material

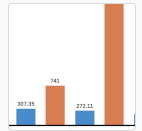
Teaching Notes

SAP Analytics Cloud User Guide

SAP Analytics Cloud Data Visualization Handbook

Training Slides - Maple Dataset

Available Scenarios



Supply Chain Resilience
Assume the role of Vice President where your mission is to ensure the timely delivery of products to retailers nationwide.

International Expansion
Delve into survey data to evaluate the potential of a company's flagship product to identify promising markets for a new product variant.

Sustainability Portfolio
You must evaluate some investment portfolio in order to find discrepancies between the companies composing the portfolio and the portfolio ESG vision and requirements.

From the instructor's dashboard, manage your groups of students and game, access SAP Analytics Cloud and learning material

Business Builders is developed by the ERPsim Lab at HEC Montréal
SAP Analytics Coud is a registered trademark of SAP SE

Question 03:

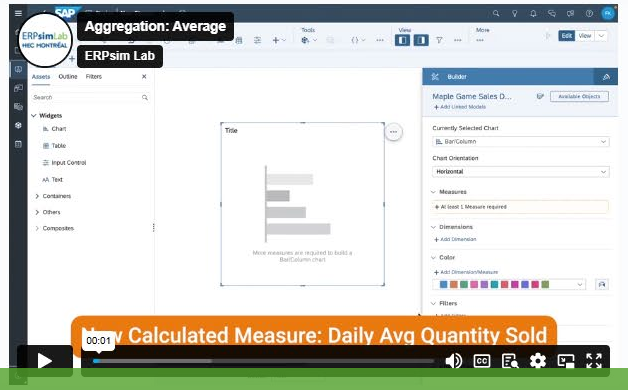
Participants 0/1

Create your SAP Analytics Cloud Account

Question

What is the average 'Days until Deadline' of our shipments going through the Panama Canal and that are supposed to reach Pittsburgh by October 15th inclusively? Calculate also the average waterway waiting time and the new waterway waiting time, considering that the transit time to go through the Panama Canal increased fivefold.

Show Hint #1



Show Hint #2

Answer

Enter the average 'Days Until Deadline' (days):

Average time (days)

Enter the old average waterway waiting time (days):

Average time (days)

Enter the new average waterway waiting time (days):

Average time (days)

Submit my answer

All students are presented the same question at the same time.

Questions can require one or many answers,
each in multiple formats (number, multiple-choice, matrix).

Hints are provided, either in the form of a short text or video.

End of question 02

Participants	1/1	Actions	Show Results

Solution

Solution - Question 2

How many ongoing shipments were scheduled to reach the distribution center in Pittsburgh by October 15th inclusively?

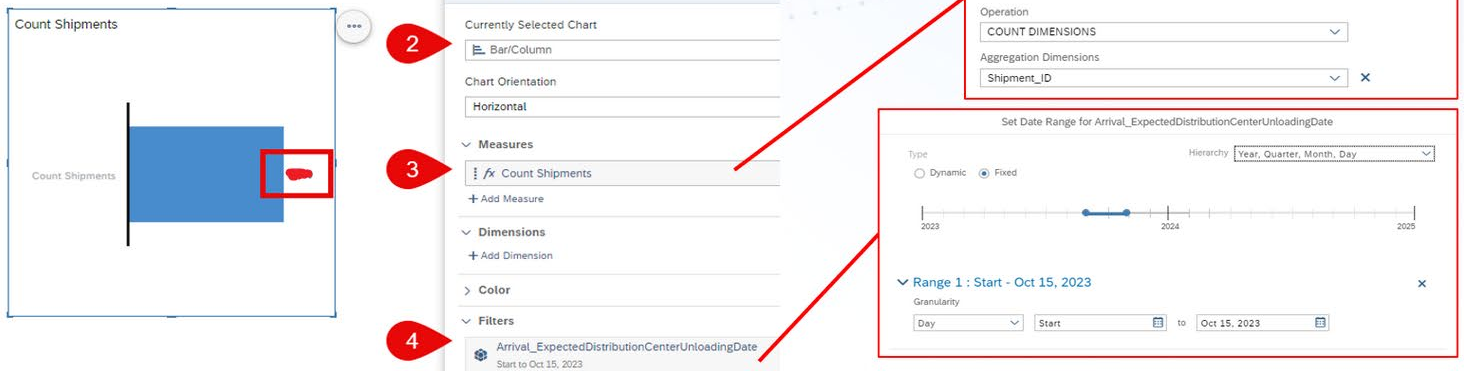
Answer:

Number of shipments : [redacted]

Notes:

There are many ways to do the filtering on the dimension, you can use the Filters or Input Control features.

At the end of the questions, students will see their scores, and the instructor will be able to show (or not) the solution.



Business Builders

Get engaged and bring it to your classroom!

- Free of charge
- No membership needed
- No programming or experience required

Scan the QR code
and start your game today!

businessbuilders.games

SAP HEC MONTRÉAL

Maple Card Game

Hands-On Learning

Enable students to experience fundamental business processes (buying, producing, selling) firsthand, without relying on IT

Highlight Efficiency

Expose the significant time spent on information management compared to actual value creation, sparking discussions on efficiency

Understand Value Creation

Help students differentiate between creating value through product transformation and managing information flow

Illustrate Information Flow

Showcase the intricate nature of information flow within business operations, emphasizing the critical role of effective information systems

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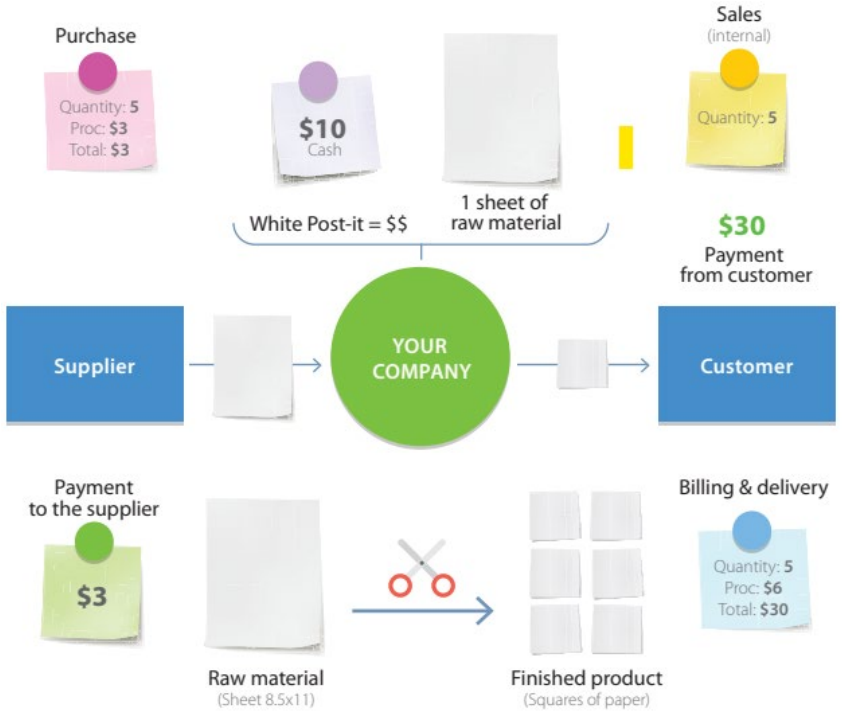
Paperless: A New Leaf for the Game

The Paper Game



Maple Card Game

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Rethink Your Classroom: The Power of Play

"The Maple Card Game is the perfect gateway for introducing students to the importance of information systems before diving into ERPsim to explore SAP in depth"

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Maple Card Game

https://erpsim.hec.ca/maplecardgame

- Engaging **hands-on** learning
- **Foundation** for advanced learning
- **Sustainable** and cost-effective
- **Real-World** business scenario

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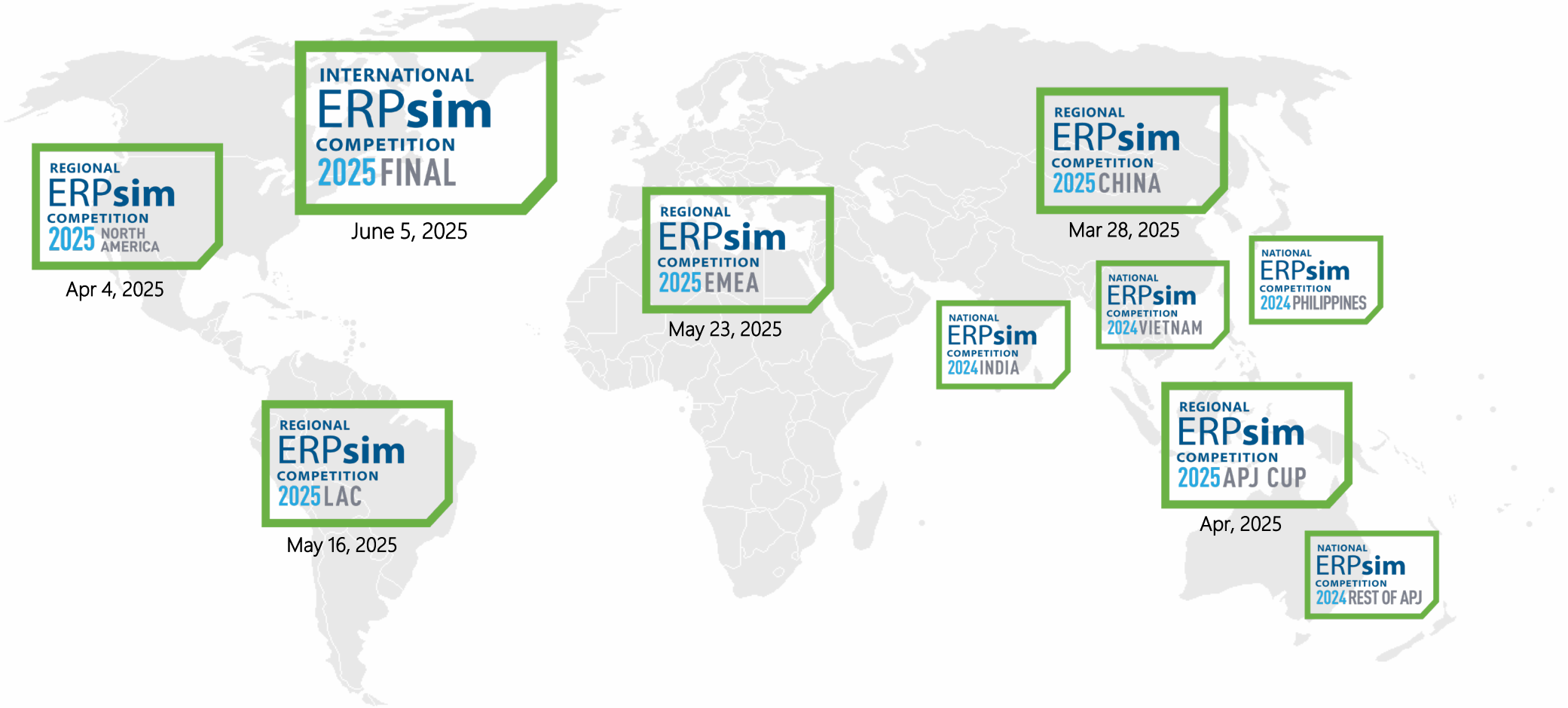
ERPsim competitions 2025



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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://erpsim.hec.ca/buy for conditions.

In the event of a disparity between the price presented on this slide and the one on https://erpsim.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

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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

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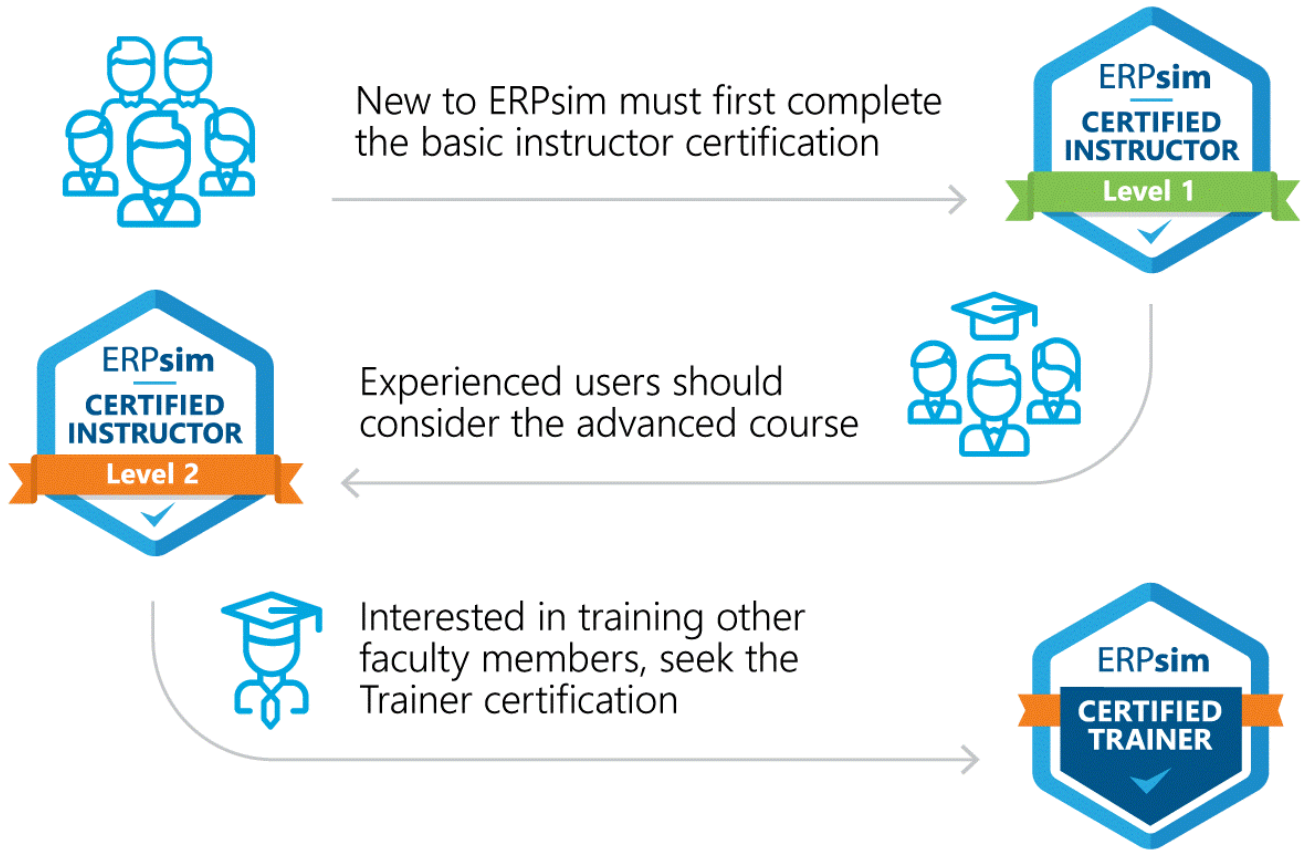
ERPsim Training and Certification



Training available as a
self-paced online course
and
in-person

Get started at
erpsim.hec.ca/certification

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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

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!

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FEB
7

ERPsim Sustainability Challenge 2025

Online event
Friday, February 7, 2025 at 10:00 AM EST

APR
4

ERPsim North America Competition 2025

Online event
Friday, April 4, 2025 at 12:00 PM EDT

MAY
16

ERPsim LAC Competition 2025

Online event
Friday, May 16, 2025 at 12:00 PM EDT

MAY
23

ERPsim EMEA Competition 2025

Online event
Friday, May 23, 2025 at 9:00 AM EDT

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Questions

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Thank You!

Website: erpsim.hec.ca

Email: erpsim@hec.ca

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