ERPsim

Start of Term January 2026

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Webinar
Online | January 13, 2026

ERPsimLab
HEC MONTRÉAL
Serious games to learn enterprise systems and business analytics

Agenda

1. Welcome
2. ERPsim
   - Latest Features
   - Running ERPsim Games Like A Pro!
3. Business Builders
   - Enhancements
   - New Games
4. Additional Updates
5. Live Q&A

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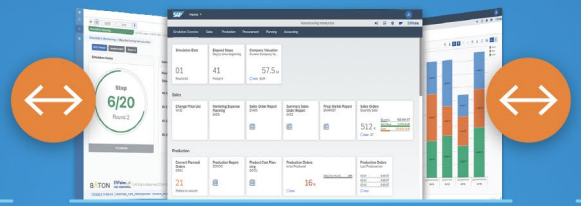
Learning Solutions from the ERPsim Lab

ERPsim Simulator



VIRTUAL BUSINESS

- Automation of administrative tasks
- Simulation of customer and vendor behaviors
- Simulation of passing of time

ERP SYSTEM

Available for SAP S/4HANA

PARTICIPANTS

- Business decisions
- Business analytics
- Engagement through competition

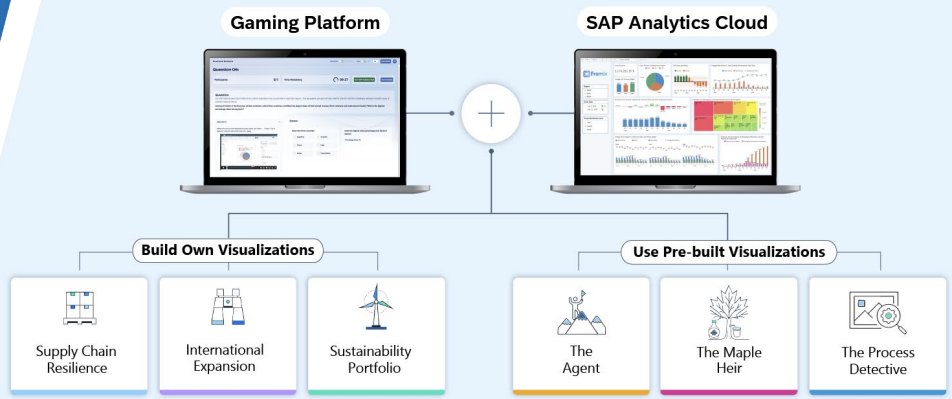
ERPsim Games

MANUFACTURING

LOGISTICS

MAPLE

Business Builders



Maple Card Game

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What's New?

ERPsim

Analytics

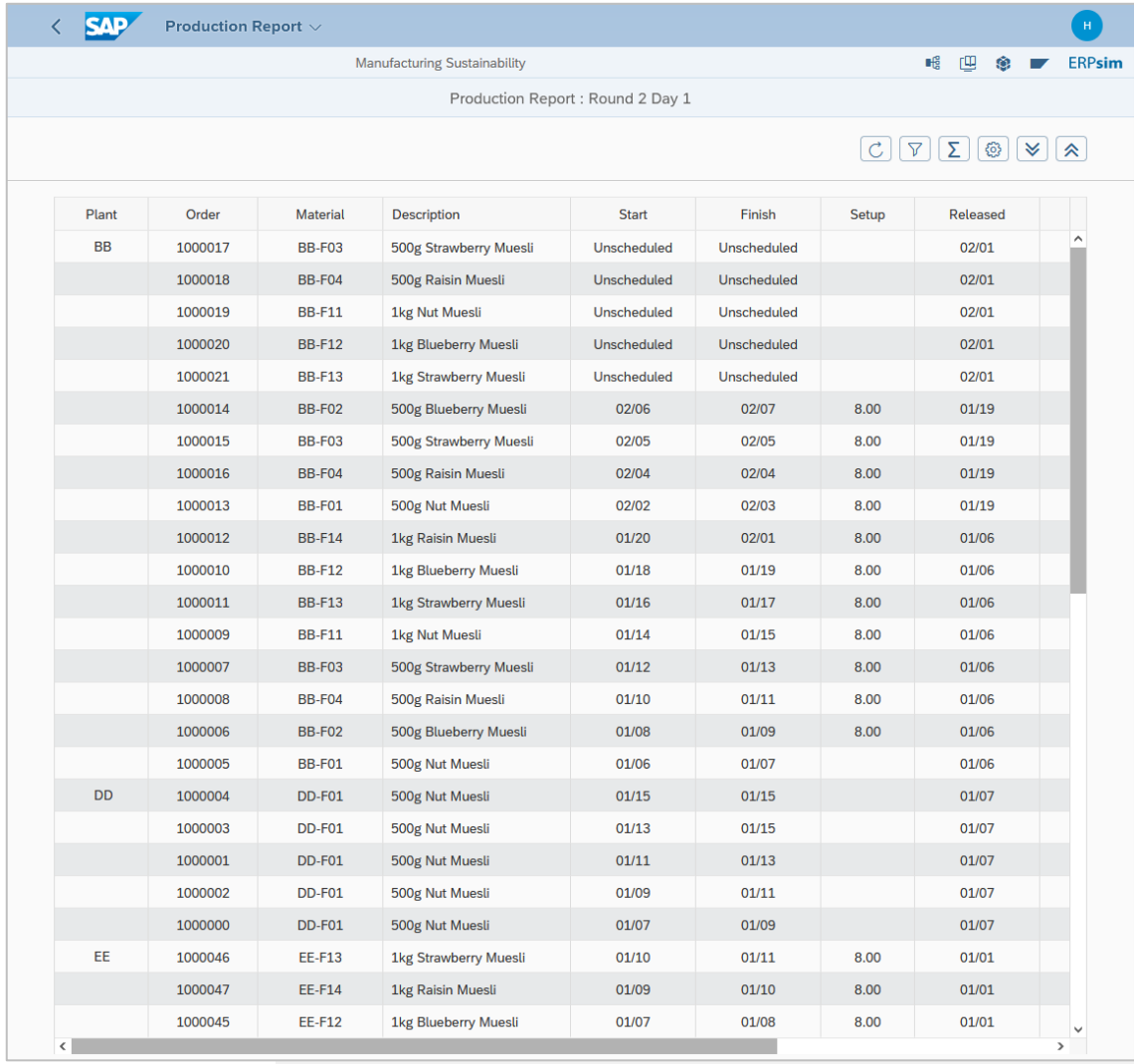
Custom ALV-grid reports converted to Fiori

Reworked OData services for better performance

General

Bug fixes and "under the hood" improvements

New simulator modules



Plant	Order	Material	Description	Start	Finish	Setup	Released
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	1000018	BB-F04	500g Raisin Muesli	Unscheduled	Unscheduled		02/01
	1000019	BB-F11	1kg Nut Muesli	Unscheduled	Unscheduled		02/01
	1000020	BB-F12	1kg Blueberry Muesli	Unscheduled	Unscheduled		02/01
	1000021	BB-F13	1kg Strawberry Muesli	Unscheduled	Unscheduled		02/01
	1000014	BB-F02	500g Blueberry Muesli	02/06	02/07	8.00	01/19
	1000015	BB-F03	500g Strawberry Muesli	02/05	02/05	8.00	01/19
	1000016	BB-F04	500g Raisin Muesli	02/04	02/04	8.00	01/19
	1000013	BB-F01	500g Nut Muesli	02/02	02/03	8.00	01/19
	1000012	BB-F14	1kg Raisin Muesli	01/20	02/01	8.00	01/06
	1000010	BB-F12	1kg Blueberry Muesli	01/18	01/19	8.00	01/06
	1000011	BB-F13	1kg Strawberry Muesli	01/16	01/17	8.00	01/06
	1000009	BB-F11	1kg Nut Muesli	01/14	01/15	8.00	01/06
	1000007	BB-F03	500g Strawberry Muesli	01/12	01/13	8.00	01/06
	1000008	BB-F04	500g Raisin Muesli	01/10	01/11	8.00	01/06
	1000006	BB-F02	500g Blueberry Muesli	01/08	01/09	8.00	01/06
	1000005	BB-F01	500g Nut Muesli	01/06	01/07		01/06
DD	1000004	DD-F01	500g Nut Muesli	01/15	01/15		01/07
	1000003	DD-F01	500g Nut Muesli	01/13	01/15		01/07
	1000001	DD-F01	500g Nut Muesli	01/11	01/13		01/07
	1000002	DD-F01	500g Nut Muesli	01/09	01/11		01/07
	1000000	DD-F01	500g Nut Muesli	01/07	01/09		01/07
EE	1000046	EE-F13	1kg Strawberry Muesli	01/10	01/11	8.00	01/01
	1000047	EE-F14	1kg Raisin Muesli	01/09	01/10	8.00	01/01
	1000045	EE-F12	1kg Blueberry Muesli	01/07	01/08	8.00	01/01

Transaction ZCOOIS (Production Report)
Converted to a Fiori app

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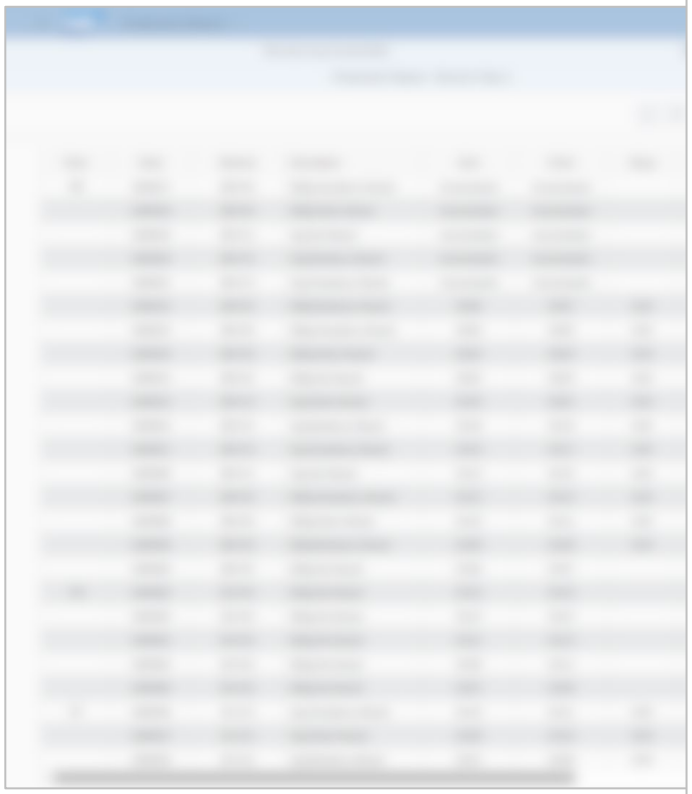
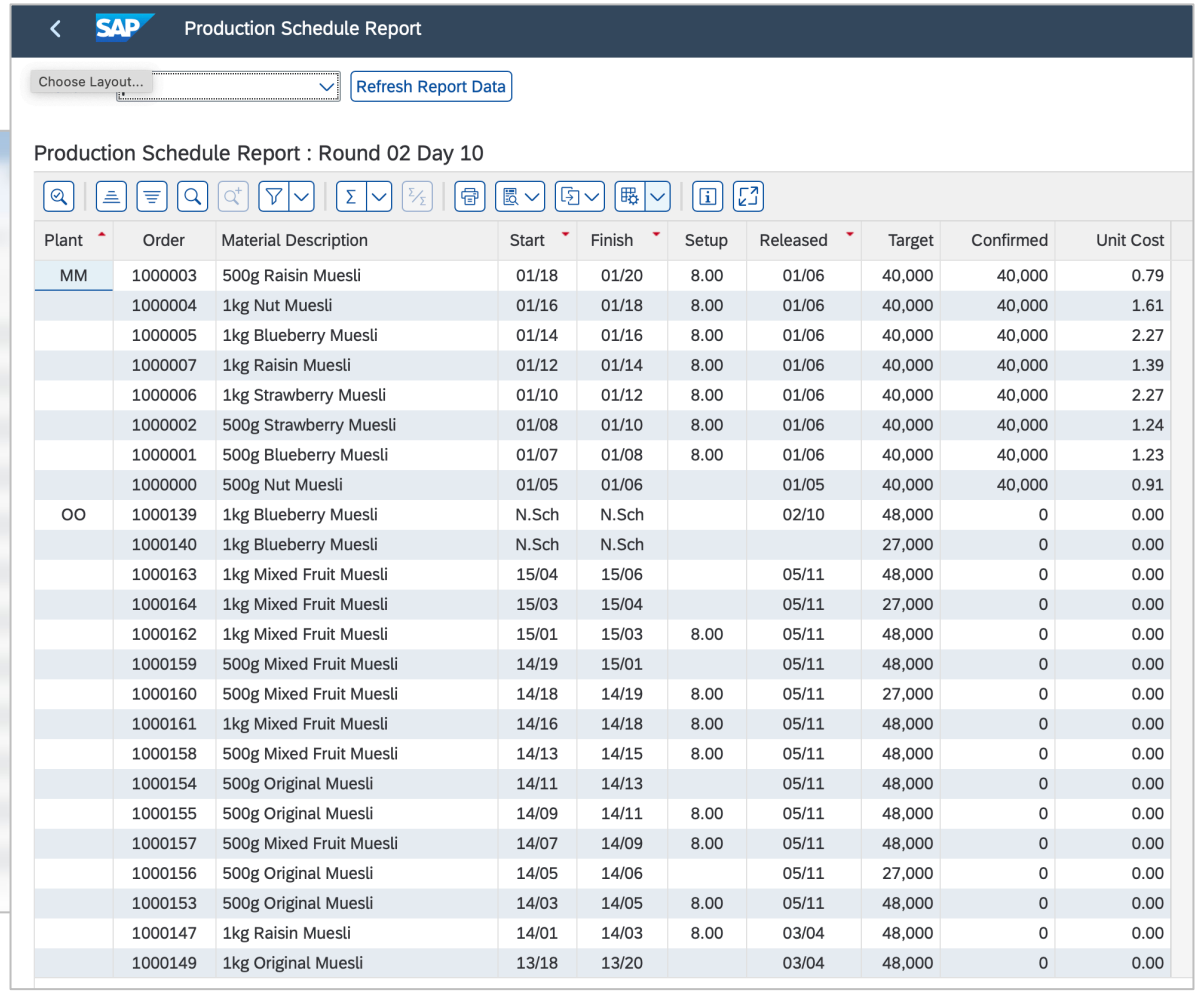
What's New?

Conversion of WEBGUI Reports to Fiori Applications





Plant	Order	Material Description	Start	Finish	Setup	Released	Target	Confirmed	Unit Cost
MM	1000003	500g Raisin Muesli	01/18	01/20	8.00	01/06	40,000	40,000	0.79
	1000004	1kg Nut Muesli	01/16	01/18	8.00	01/06	40,000	40,000	1.61
	1000005	1kg Blueberry Muesli	01/14	01/16	8.00	01/06	40,000	40,000	2.27
	1000007	1kg Raisin Muesli	01/12	01/14	8.00	01/06	40,000	40,000	1.39
	1000006	1kg Strawberry Muesli	01/10	01/12	8.00	01/06	40,000	40,000	2.27
	1000002	500g Strawberry Muesli	01/08	01/10	8.00	01/06	40,000	40,000	1.24
	1000001	500g Blueberry Muesli	01/07	01/08	8.00	01/06	40,000	40,000	1.23
	1000000	500g Nut Muesli	01/05	01/06		01/05	40,000	40,000	0.91
OO	1000139	1kg Blueberry Muesli	N.Sch	N.Sch		02/10	48,000	0	0.00
	1000140	1kg Blueberry Muesli	N.Sch	N.Sch			27,000	0	0.00
	1000163	1kg Mixed Fruit Muesli	15/04	15/06		05/11	48,000	0	0.00
	1000164	1kg Mixed Fruit Muesli	15/03	15/04		05/11	27,000	0	0.00
	1000162	1kg Mixed Fruit Muesli	15/01	15/03	8.00	05/11	48,000	0	0.00
	1000159	500g Mixed Fruit Muesli	14/19	15/01		05/11	48,000	0	0.00
	1000160	500g Mixed Fruit Muesli	14/18	14/19	8.00	05/11	27,000	0	0.00
	1000161	1kg Mixed Fruit Muesli	14/16	14/18	8.00	05/11	48,000	0	0.00
	1000158	500g Mixed Fruit Muesli	14/13	14/15	8.00	05/11	48,000	0	0.00
	1000154	500g Original Muesli	14/11	14/13		05/11	48,000	0	0.00
	1000155	500g Original Muesli	14/09	14/11	8.00	05/11	48,000	0	0.00
	1000157	500g Mixed Fruit Muesli	14/07	14/09	8.00	05/11	48,000	0	0.00
	1000156	500g Original Muesli	14/05	14/06		05/11	27,000	0	0.00
	1000153	500g Original Muesli	14/03	14/05	8.00	05/11	48,000	0	0.00
	1000147	1kg Raisin Muesli	14/01	14/03	8.00	03/04	48,000	0	0.00
	1000149	1kg Original Muesli	13/18	13/20		03/04	48,000	0	0.00

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What's New?

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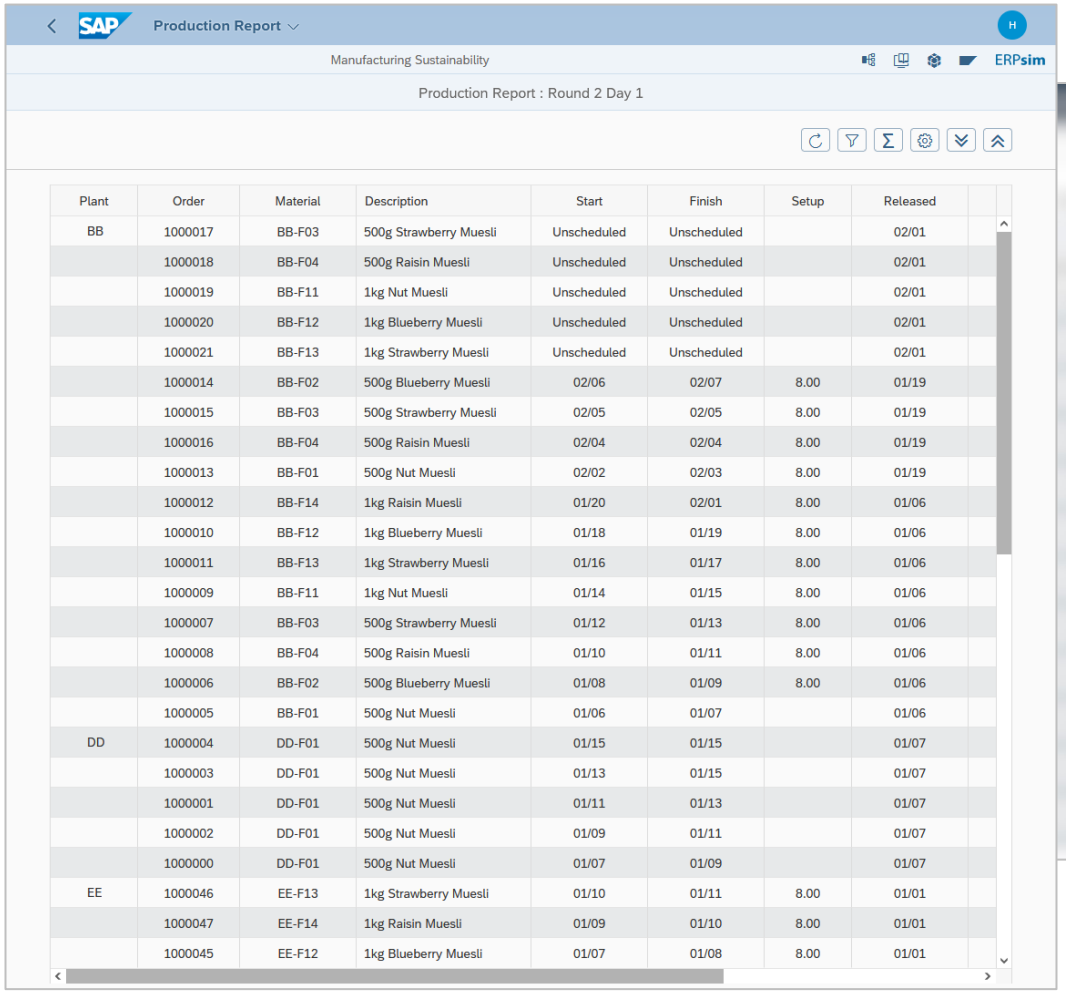

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What's New?

Core Game Enhancements

Universal Starting Inventory

- All games can now start with **inventory** to accelerate sales process in classroom settings

Maple Game Lead Time Fix

- Purchase orders made on day 1 no longer incur **full lead time**
  (helps students who forgot to complete setup before game starts)

Automated Period Management

- MD61 columns automatically adjust when running ZSTART in new months :
  Independent requirements shift to appropriate time periods

Transaction Flexibility (enabled via ZSTART's options)

- Manufacturing: Can replace transaction **FB50 with ZFB50**
- Logistics: Can enable **ZRPA** (AI-based Forecasts)

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New Modules for Enhanced Game Customization

Maple Game Configuration Modules

"Starter Scenario Script" Module *Now **optional** (previously mandatory)*

- Deactivate to eliminate starting inventory

"Replenish Script" Module *Disabled by default*

- Automatically orders 1,500 units of each product at round end
- Units received at start of next round

Logistics Game Configuration Modules

"Warehousing Unit Costs" Module *Disabled by default*

- €0.10 daily fee per inventory unit

"Truck Load Constraints" Module *Disabled by default*

- Internal transfers via ZMB1B now respect 750-unit truck capacity limits, requiring multiple trucks for larger transfers

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Data Access & Analytics Improvements

Dual OData Service Architecture

OData Simulation Service (always active)

- Fewer views and elements for **optimized performance**
- *URL: https://<system>/odata/<client>*

OData Analytics Service (optional - activated via ZODATA)

- Additional views for **in-depth analytics** after simulation
- *URL: https://<system>/analytics/<client>*

Enhanced Instructor Controls

Option to uncheck all company sets in ZODATA

- Prevents students from accessing **any OData data**
- Complete lockdown capability for controlled environments

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ERPsim Logistics Sustainability Random Disruptions

1)	**Cold Spell**	▪ Higher carbon emissions per unit of raw material purchased ▪ Lower storage energy
2)	**Carbon Decree**	▪ Higher carbon tax ▪ Lower energy footprint
3)	**Supplier Disruption**	▪ Less-optimal sourcing and routing ▪ Higher carbon emissions for all products purchased
4)	**Hub Gridlock**	▪ Higher carbon emissions from direct sales ▪ Increased emissions from procurement and internal transfers
5)	**System Glitch**	▪ Certain reports unavailable ▪ Requires consultant support or alternative data sources for decision-making
6)	**Data Breach**	▪ Team data exposed to competitors ▪ Competitors can access and compare strategies
7)	**Flash Flood**	▪ Entire warehouse inventory lost ▪ Recovery efforts needed to reduce financial impact
8)	**AI Innovation**	▪ New AI tool developed by IT ▪ Use it to enhance planning decisions

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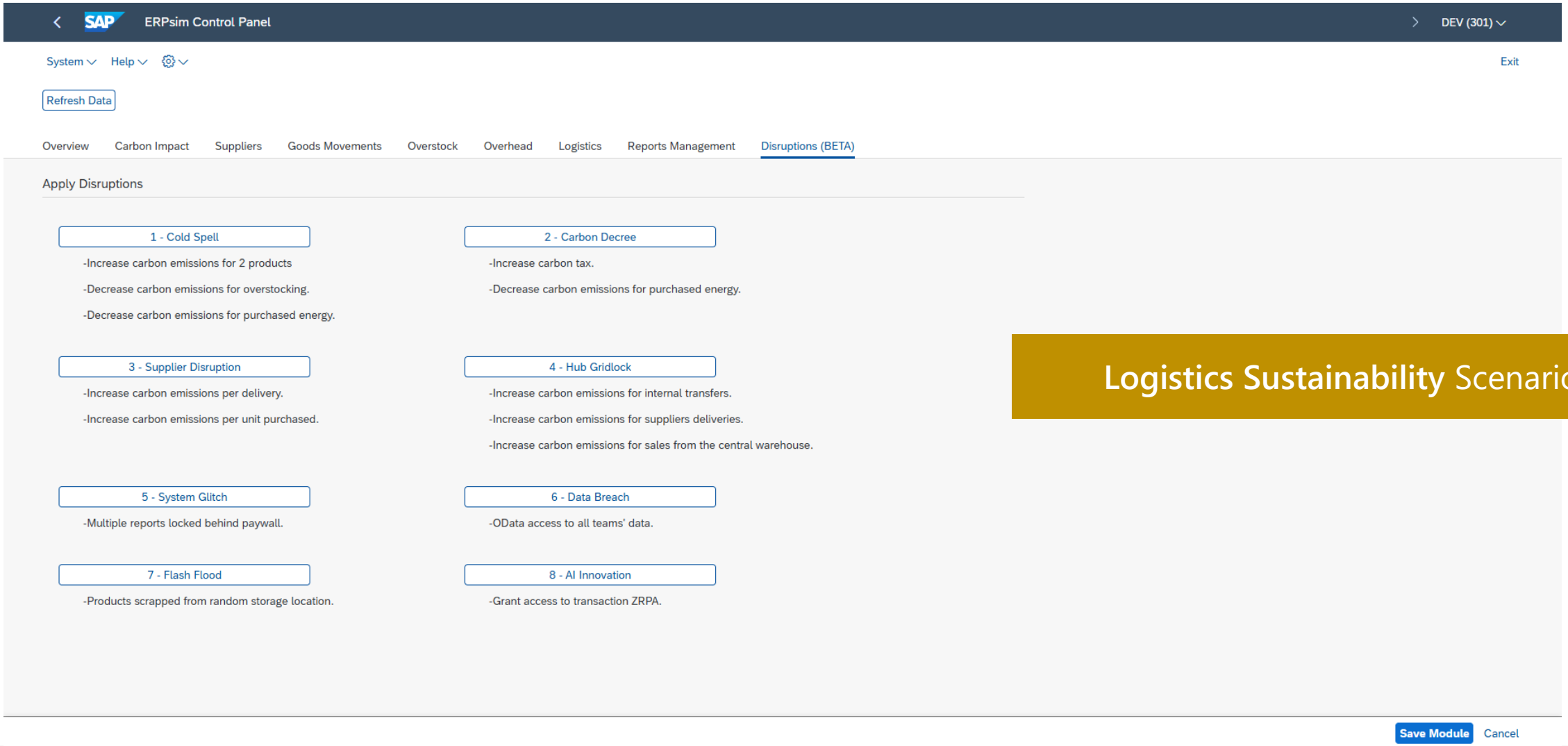
ZCONTROL: Disruptors Admin



Logistics Sustainability Scenario

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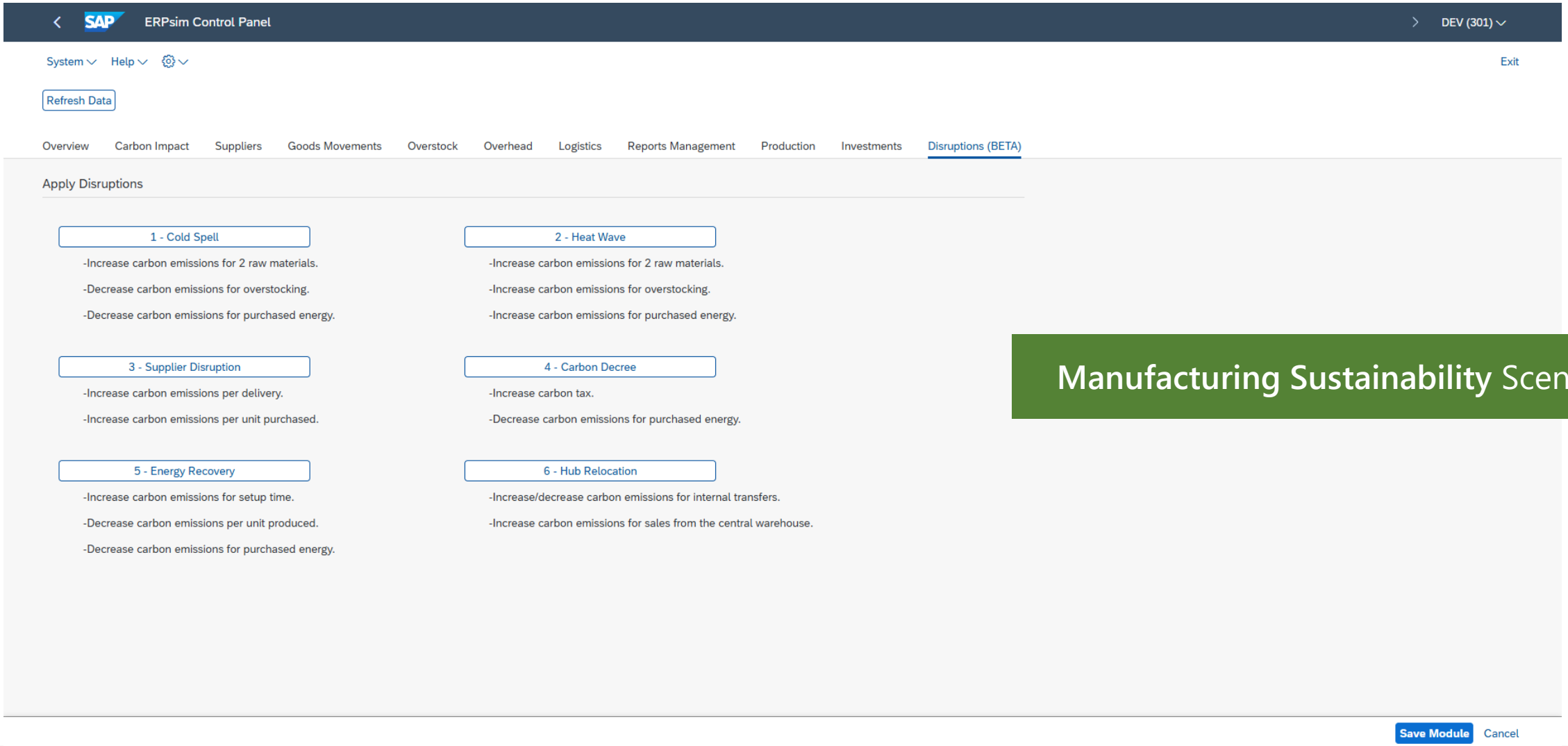
ZCONTROL: Disruptors Admin



Manufacturing Sustainability Scenario

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Running ERPsim Games Like A Pro!

ERPsim

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Pre-Game Setup

Up to 2 days
prior to launching the game

A few steps must be completed before getting to the classroom, but they may take time. Make sure to allow for enough time before game day!

- System Provisioning (and testing it!)
- Decide which scenario to play, its duration, and the format (in-person, at a distance, …)
- Set up a class in the Class Management system
- Have your students register for their account and have access to content

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Game Setup and Launch

24 hours to 15 minutes prior to launching the game

Game setup does not have to be done as you are starting the game; you can do some preparation ahead of time. Here are some steps that can be completed in advance.

- Make the documentation available
- Prepare the SAP client
  - ZSTART (configure the scenario)
  - ZUSER (unlock and set initial passwords)
- Run game setup in the simulator's console
  - Select scenario
  - Pick your class
  - Select teams

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Coaching and Troubleshooting

The game is running. Students are learning and are having a good time (hopefully!). Here's a few things to consider.

Between rounds

- Use and discuss the raking report to give some hints for improvement

During rounds

- Have a look at the instructor's reports to identify teams in difficulty
- If playing the Manufacturing scenario, monitor COGI errors
- And remember, you can pause the game at anytime!

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Business Builders

ERPsim

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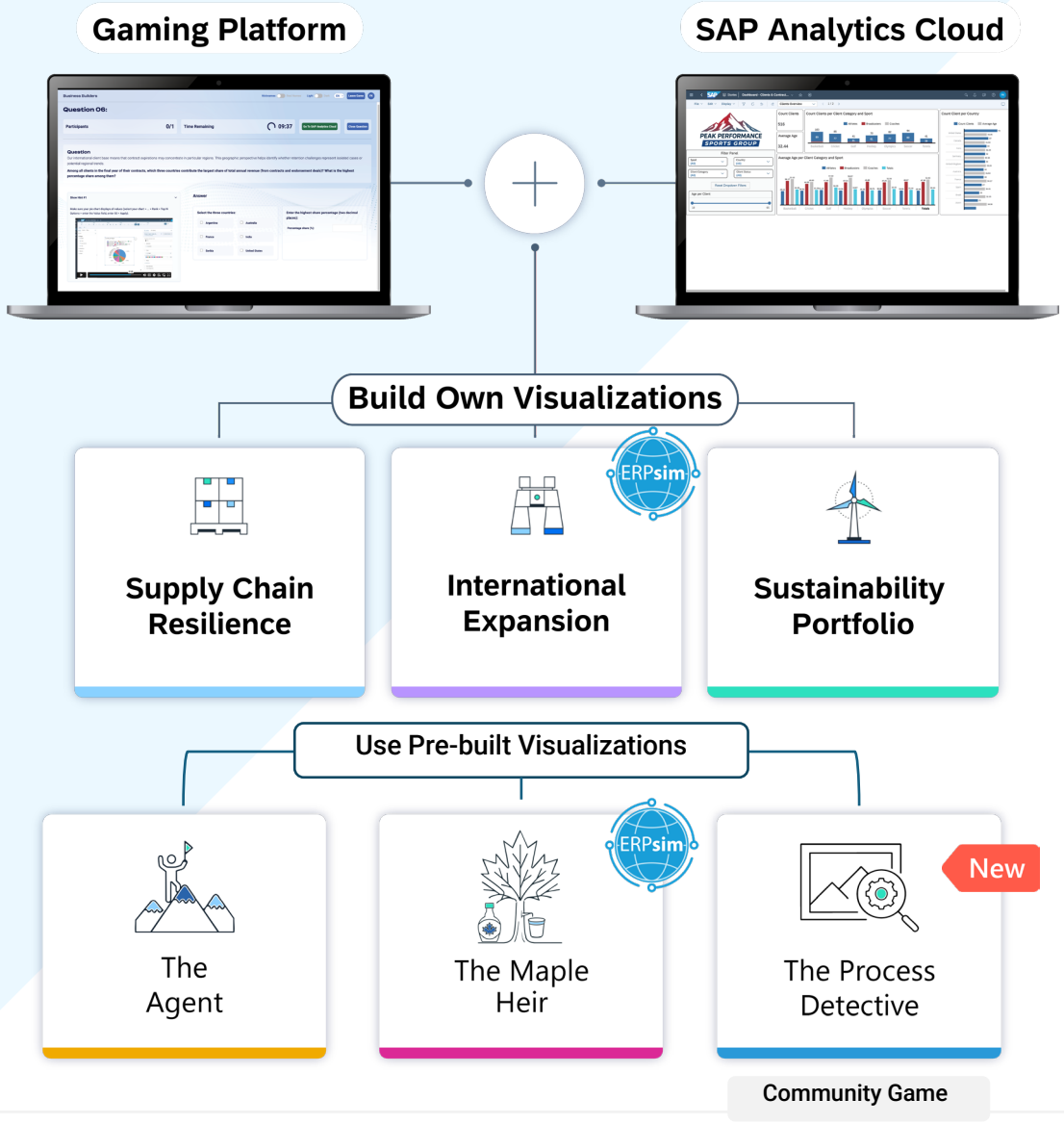
Business Builders

Business Builders is a **scenario-based analytics competition** where students use **SAP Analytics Cloud** to answer business questions, justify decisions, and develop visual analytics competence.



SAP HEC MONTRÉAL

STEP INTO THE GAME. MASTER THE BUSINESS.
THE AGENT
OLIVIER CAYA'S SPORT MANAGEMENT GAME
FOR BUSINESS BUILDERS
HEC Montréal and ERPsim Lab present an ERPsim Lab production in collaboration with SAP
PRODUCED BY
PIERRE-MAJORIQUE LÉGER
DIRECTED BY
OLIVIER CAYA
DEVELOPED AND CO-DESIGNED BY
GILBERT BABIN
FÉLIX GAUDET LAFONTAINE
KARL-DAVID BOUTIN
JEAN-FRANÇOIS MICHON
SUPPORTED BY
FOROUGH KARIMI-ALAGHEHBAND, SERGIO DE LA CRUZ, RÉDA JAMALI, KRISTIE AU, SHABNAM HAJIAN, AUDREY LAFLAMME, SELIM KHEMAKHEM, AND MARIKO DUPUIS. IN THE ROLE OF "THE AGENT" KRISTIE AU.
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STEP INTO THE GAME. MASTER THE BUSINESS.
THE MAPLE HEIR
MICHAEL BLIEMEL'S BUSINESS FUNDAMENTALS
GAME FOR BUSINESS BUILDERS
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ANA DUFF
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COMING IN A CLASS NEAR YOU:
NOVEMBER 2025
STEP INTO THE GAME. MASTER THE BUSINESS.
THE PROCESS DETECTIVE
HEC Montréal and ERPsim Lab presents our first "Business Builders Community Game"
DIRECTED BY
PIERRE-MAJORIQUE LÉGER
SIMHA MAGAL
MEAGAN LUTTENTON-KNOLL
VISHAL SHAH
VAFEIADIS CHARALAMPOS
OLIVIER CAYA
GWAMAKA MWALEMBA
WITH THE COLLABORATION OF
DEVELOPED AND CO-DESIGNED BY
FÉLIX GAUDET-LAFONTAINE, KARL-DAVID BOUTIN, JEAN-FRANCOIS MICHON AND KRISTIE AU
SUPPORTED BY
FOROUGH KARIMI ALAGHEHBAND, SERGIO DE LA CRUZ, RÉDA JAMALI, SHABNAM HAJIAN, PATRICK-OLIVIER WODJA TÉTÉ.
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ERPsim In-A-Box

ERPsim

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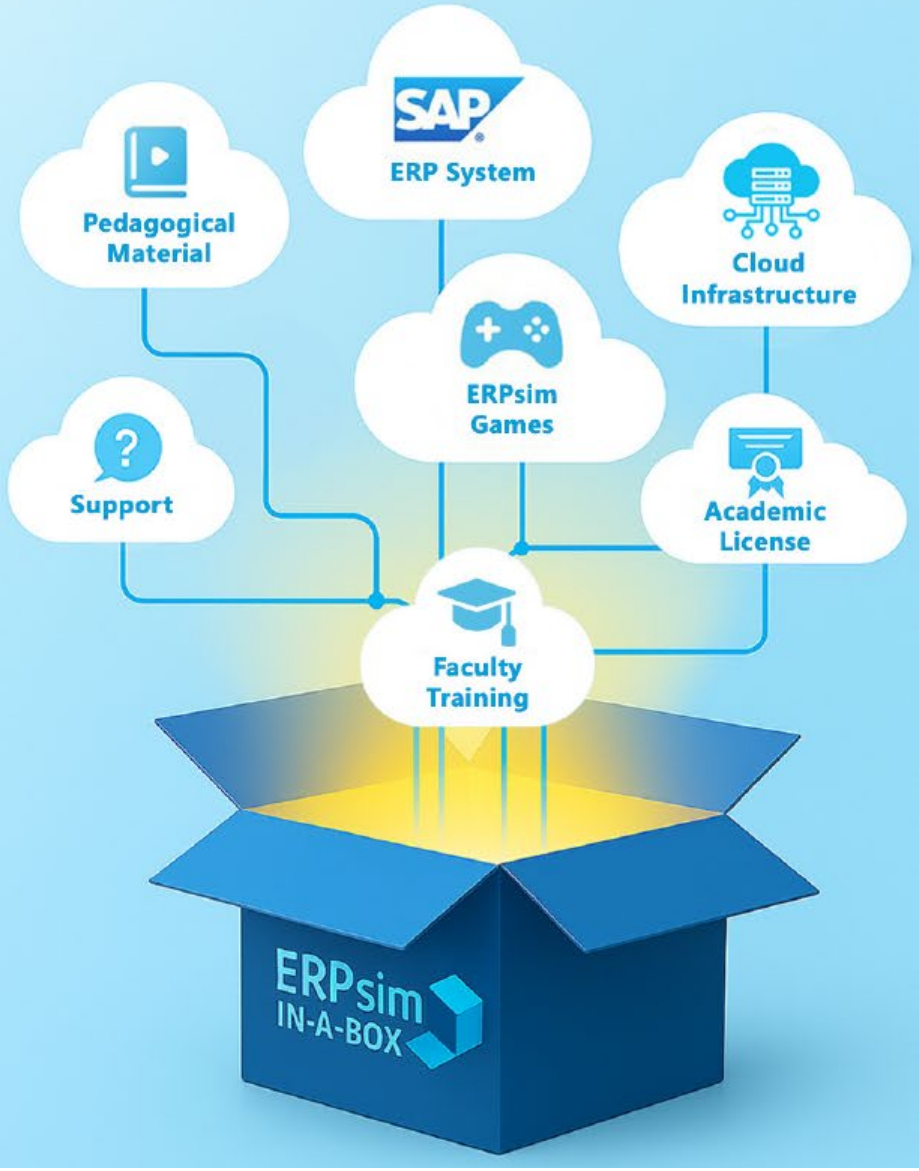
ERPsim In-A-Box

Cloud Hosted Solution to Enhance Your Teaching with Gamified Business Simulations

- Dedicated SAP System
- Ready to Run
- 100% Web-based
- Zero Complexity
- Easy to Learn and Use
- No Contract

Everything you need for full integration into existing curricula (Per-Course) or use for bootcamps, competitions (Per-Event).

Contact us for pricing and details!



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Business Builders: Early Access Program

New in 2026

Business Builders
“The Analyst”
in collaboration with
the and SAP

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The [redacted] Analyst EAP criteria

- Accredited Business Builders Instructor
- Fan of Sports
- Teaching Data Visualization / Storytelling
- Available for a “Get Ready to Teach in 90 minutes” session in January
- Commit to try it in class before March 31, 2026
- E-mail us: businessbuilders@hec.ca

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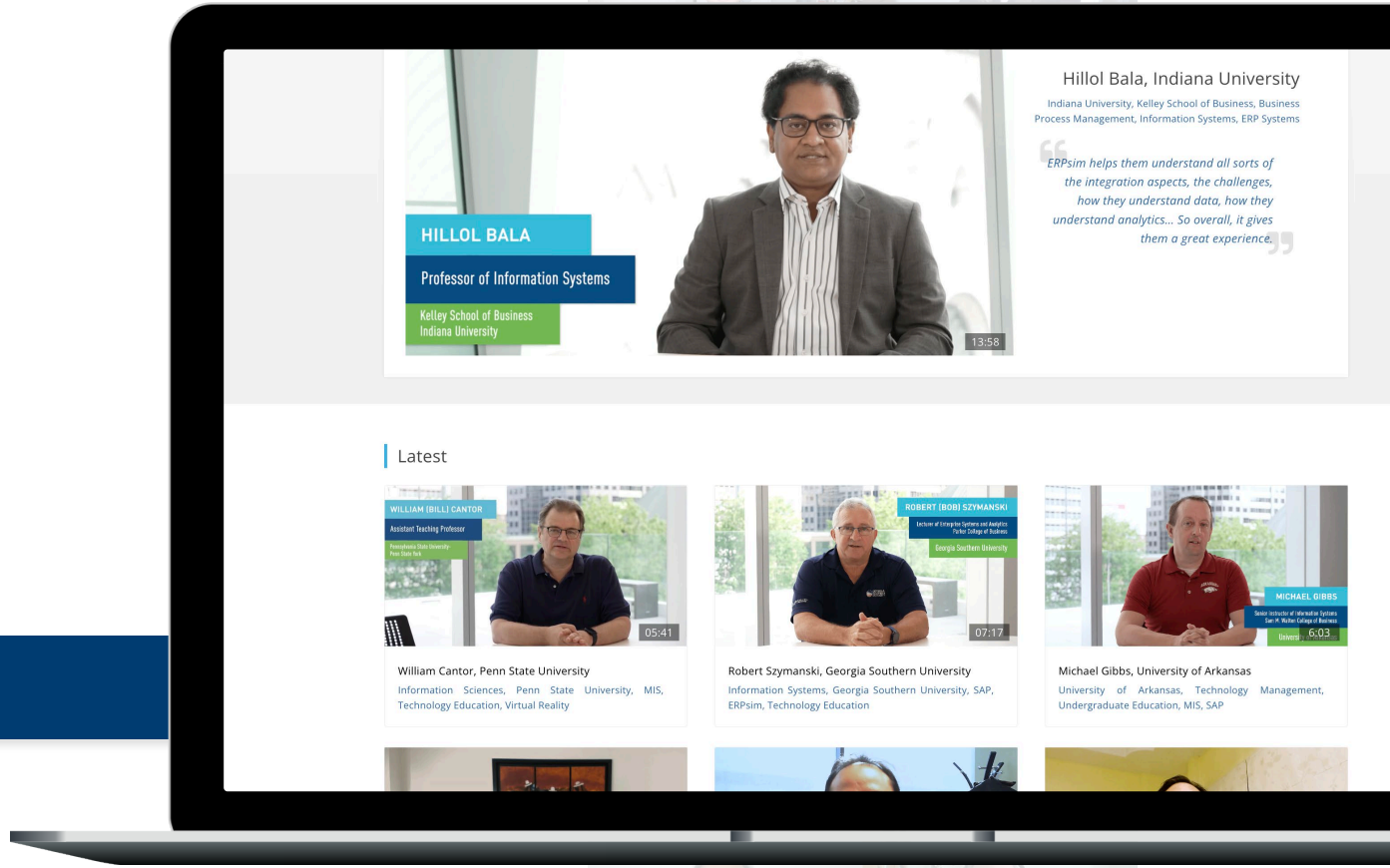
Faculty Highlight Series Resumes

- 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**

erpsim.hec.ca/faculty-highlight-series



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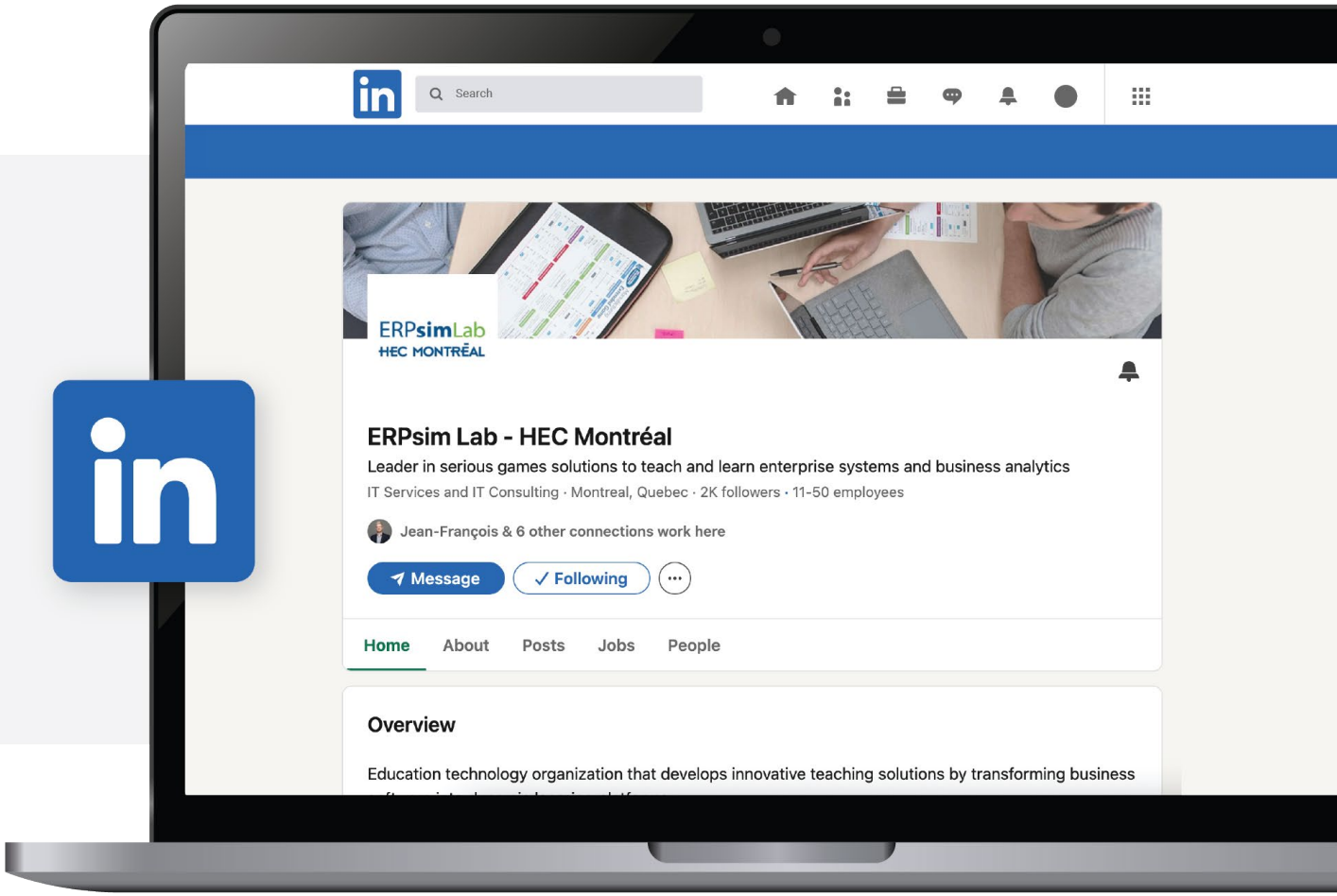
linkedin.com/company/erpsimlab



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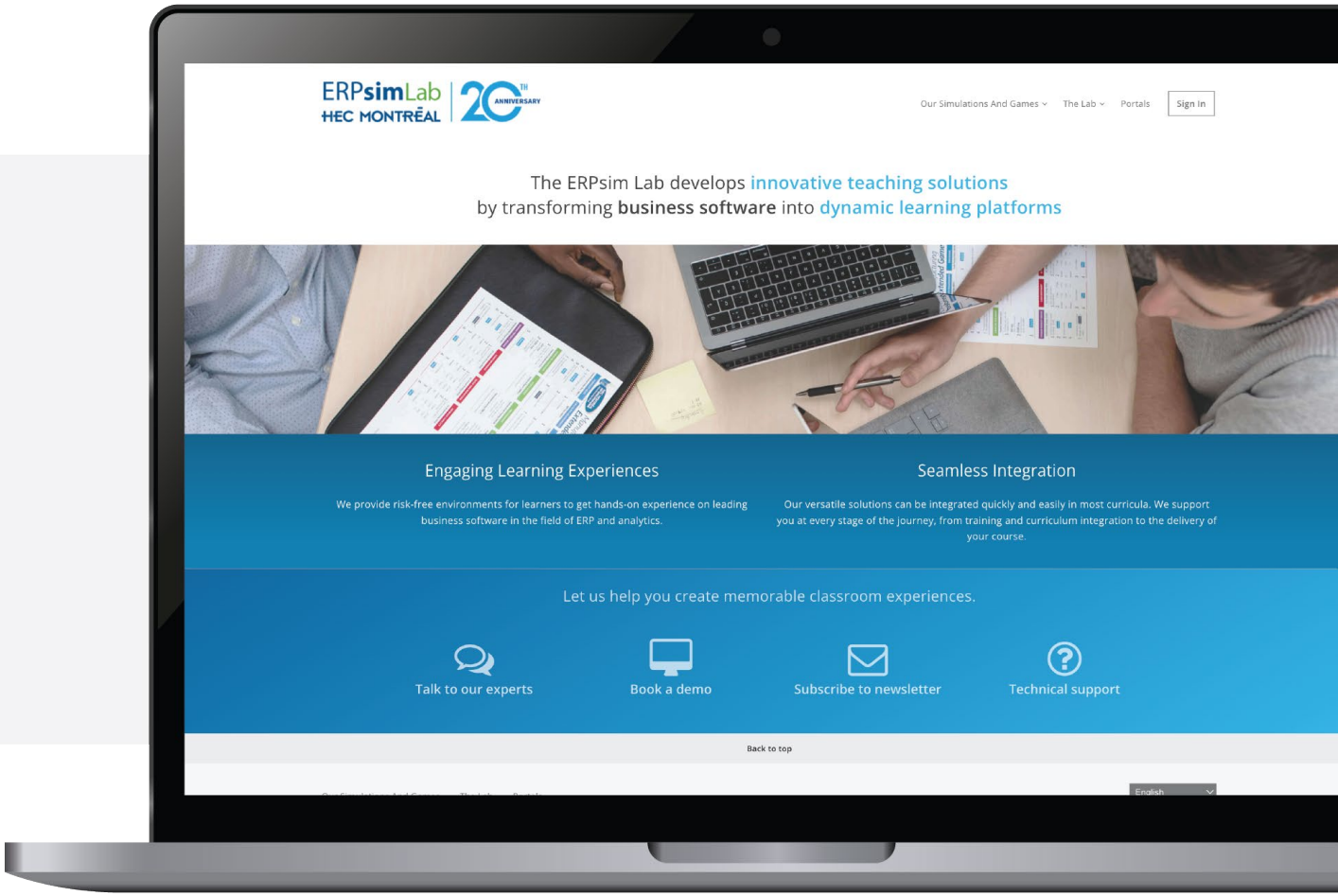

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Thank you!

Learn more about ERPsim:

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20TH ANNIVERSARY

Serious games to learn enterprise systems and business analytics