Business Builders
Supply Chain Resilience Scenario

SAP Month of Learning (Week 3)

June 19th, 2025

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

Agenda

- Introduction

- Supply Chain Resilience Scenario

- Demo and Hands-on Activity

- FAQ and Final Words

Business Builders

Gamified approach to teach Data Visualization skills

SAP

HEC MONTRÉAL

SAP and ERPsim Lab Collaboration

Enhanced visualization and data storytelling skills

Scenarios driven by data, which replicate real-world business challenges
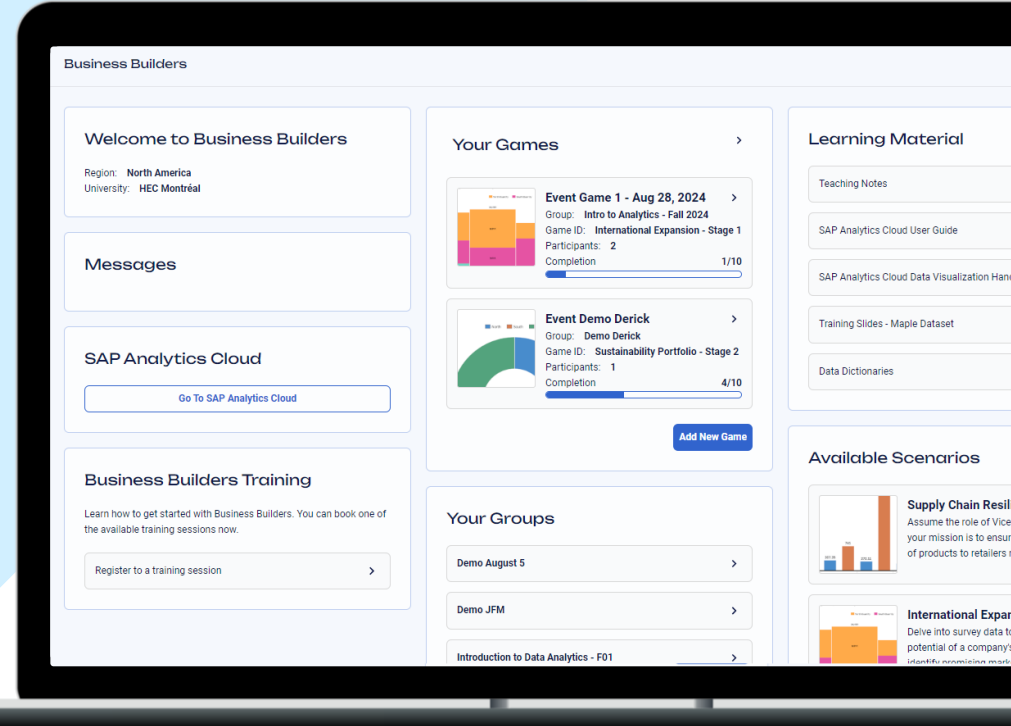
Easy to learn and adopt in your classroom
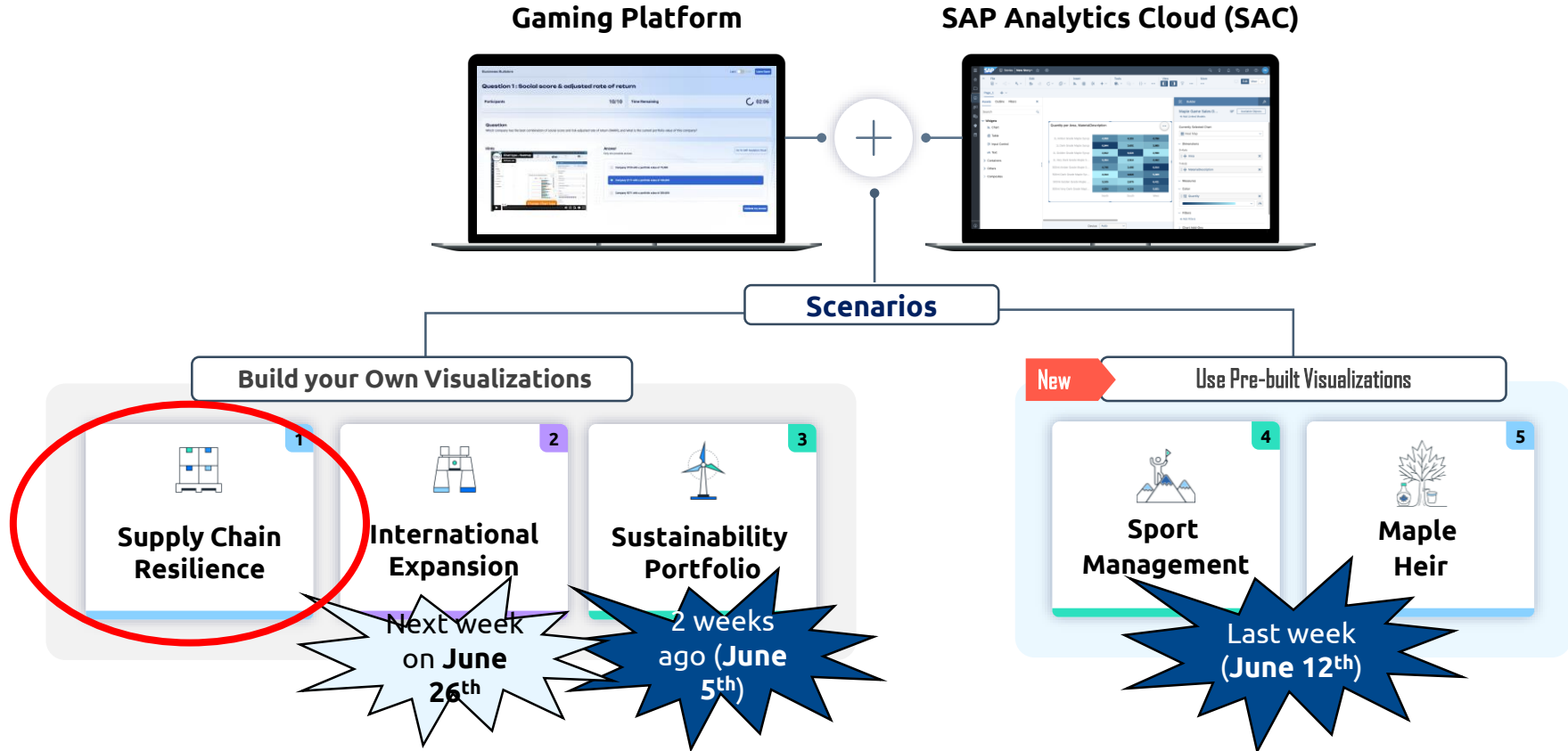
Gamification & competitive elements

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

Business Builders Overview

Gaming Platform

SAP Analytics Cloud (SAC)

+

Scenarios

Build your Own Visualizations

| 1 | 2 | 3 |

Supply Chain Resilience

International Expansion

Sustainability Portfolio

New — Use Pre-built Visualizations

| 4 | 5 |

Sport Management

Maple Heir

Next week on **June 26**th

2 weeks ago (**June 5**th)

Last week (**June 12**th)

Discover Game Scenarios: Build visualizations

■ **Choose the scenario that suits you best for teaching:**

Supply Chain Resilience

A toy company is seeking to enhance its supply chain resilience to better mitigate risks and improve reactivity when responding to crises.

International Expansion

A German-based Muesli cereal company wants to expand their business internationally.

Sustainability Portfolio

A financial institution is reassessing its investment strategies to align with a new policy requiring consideration of the ESG performance when investing in companies.

■ **Overall learning objectives:**

- Create Effective Data Visualizations
- Acquire Technical Data Visualization Skills
- Acquire Critical Thinking and Problem-Solving Skills

■ **Scenario Structure:**

- Several stages to the storyline
- Each stage has 10 business questions
- Increasing difficulty

Supply Chain Resilience Scenario

Supply Chain Resilience Scenario

A toy company that ships its products from various suppliers across Asia and delivers them to the market in the United States.

Your students will take on the role of a Supply Chain Analyst:

- Review the current supply chain data

- Identify potential disruptions to reduce negative impacts

- Formulate recommendations for contingency plans to improve the supply chain resilience to minimize risks

3 Stages of Supply Chain Resilience

Stage 1

The company experienced high toy demand but encountered shipment challenges due to environmental conditions.

- Analyze historical shipment data to gain insights into the supply chain structure
- Identify logistical challenges and potential risks to the supply chain

The company faces a critical situation in one of the canal used for their shipments.

- Assess the impacts of the supply chain disruption
- Recommend response measures to mitigate the impacts of the supply chain disruption

Stage 2

Stage 3

The company recognized the necessity of implementing a more resilient supply chain strategy to mitigate risks from climate change and geopolitical tensions effectively.

- Analyze potential suppliers to redirect shipments
- Recommend new suppliers and transporters to improve the supply chain resilience

Datasets of Supply Chain Resilience

For this scenario, you will have access to 5 datasets:

Query 1 – Past Shipments	Query 2 – Ongoing Shipments	Query 3 – Route Inquiries Sept-Oct 2023	Query 4 – New Vendor and Transporter Inquiries	Query 5 – Route Inquiries Sept-Oct 2024
Complete historic data of 3,688 past shipments between January 1, 2019, and August 31, 2023	List of all ongoing shipments yet to be loaded on a ship. Includes 144 shipments from September 1, 2023, to the December 31, 2023	List of possible maritime delivery routes between Asia and the United States, and land transit routes toward the distribution center of Pittsburgh	Combination of 29 new suppliers offers and 35 new transporters availability	List of possible maritime delivery routes between the new suppliers and the United States, and land transit routes toward the distribution center of Pittsburgh
Stage 1	**Stage 2**	**Stage 2**	**Stage 3**	**Stage 3**

Demo and Hands-on Activity

Learning Journey & Resources

Business Builders Learning Journey

Foundations

Resources
- Get Started: How to Video
  - Teaching Notes
- Free Online Course
- Refresher Sessions

Skill Building

SAC Training using Maple Game Exercise
- Exercise Slides
- Tutorial Videos

Scenario-Based Learning
- Scenarios Specific Slides
  - Questions/Solutions

Webinars
- Showcase Business Builders scenarios
- Community Engagement

Active Teaching

Setup
- Create groups, and events

Preparation
- Ensure student connections and account creation

Event Initiation
- Start the game and wait for student participation

Question Loop
- Activate questions, collect answers, show solutions, and display rankings

Completion
- Show final rankings

Feedback Loop

Question-Specific Feedback
- Gather detailed feedback on each question to refine and improve future iterations

Where to find the resources?

Materials for **Instructors**

Materials for **Participants**

For instructors:
Scenario Specific Slides including Questions/Answers

For instructors:
Schedule a training session

Frequently Asked Questions

Frequently Asked Questions

Business Builders

How long the registration lasts for Educators and Students?

Is there a limit to the number of students per group?

How often are the scenarios refreshed?

Is it possible to play the game asynchronously?

How long it takes to play one stage of a game? Can a game be stopped and resumed?

SAP Analytics Cloud (SAC)

How long the registration lasts for Educators and Students?

Is it possible to access other datasets or create (live data) connections?

Are the datasets downloadable? Can instructors upload their own data?

Which browsers are supported?

Frequently Asked Questions

Educator Journey

How long it takes to learn Business Builders and SAP Analytics Cloud?

Is training provided?

Can instructors add their own questions/scenarios to the platform?

Do you I need to play all the stages?

Can I skip stage 1 or 2 and play only stage 3?

Students Journey

When should students be invited to join a group in order to create their accounts?

What are the prerequisites to start playing a game scenario?

Is training provided?

How to report the activity and results?

Announcements

Next week:

Thursday June 26, 2025, at 10 am ET

International Expansion Scenario

Access recordings and slides here:
https://erpsim.hec.ca/en/node/325

2025 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
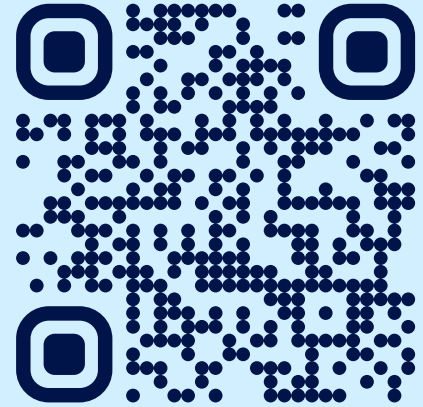Montréal on August 14-16, 2025!

Q & A

Business Builders

Get engaged and bring it to your classroom!

Thank you!

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

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Scan the QR code
and start your game today!

businessbuilders.games
businessbuilders@hec.ca