AnyLogic 9 and the Full-Cycle Ecosystem for Simulation
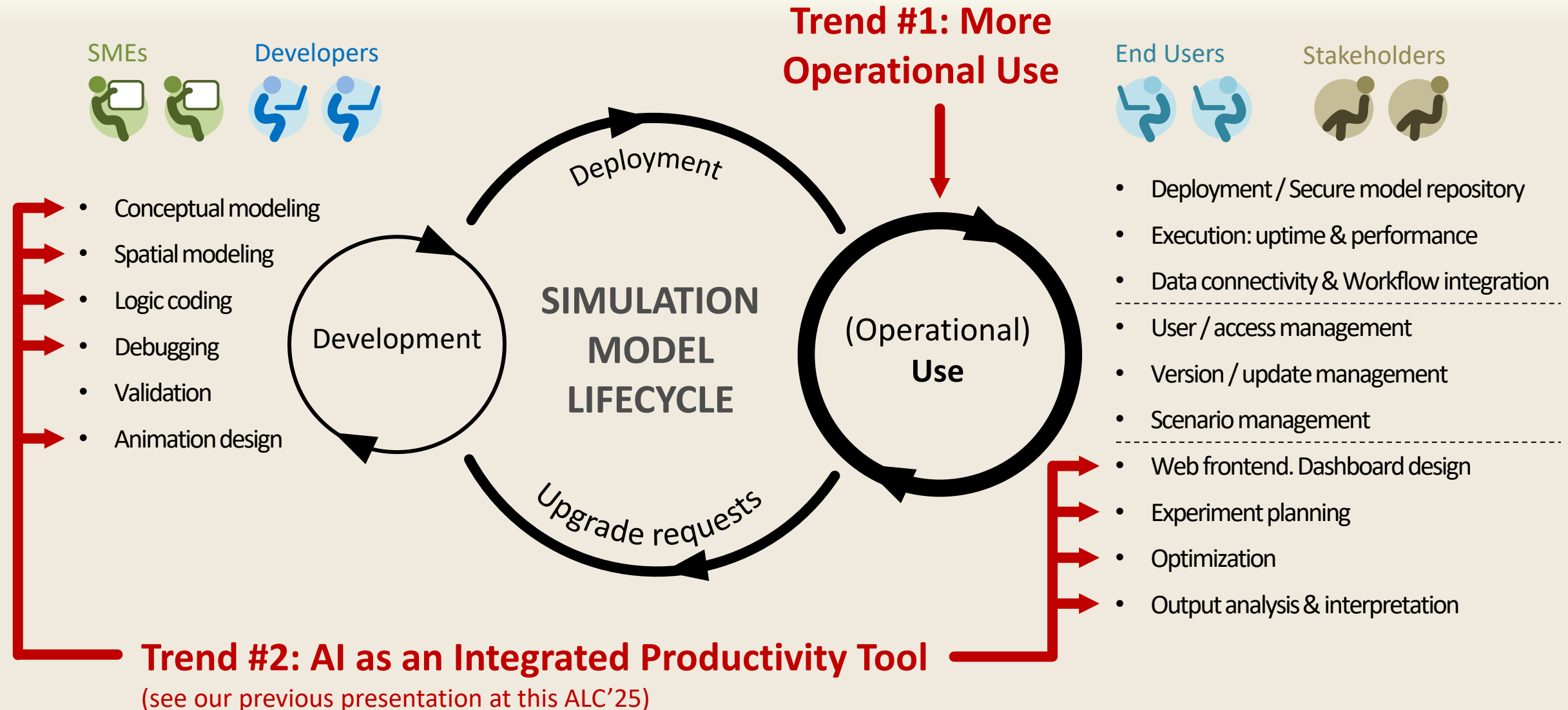
Dr. Andrei Borshchev and Gregory Monakhov
The AnyLogic Company

The AnyLogic Conference 2025
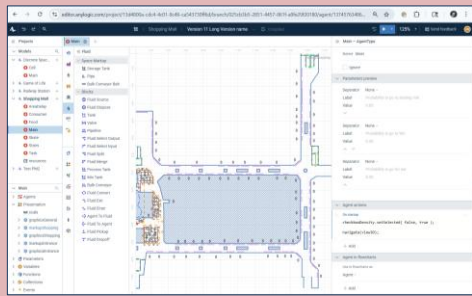September 9, 2025
Online

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Today, we need a Full-Cycle Ecosystem for Simulation (not just a modeling tool)

SMEs　　**Developers**

Trend #1: More Operational Use

End Users　　**Stakeholders**

- Conceptual modeling
- Spatial modeling
- Logic coding
- Debugging
- Validation
- Animation design

Deployment

Development

SIMULATION MODEL LIFECYCLE

(Operational) Use

Upgrade requests

- Deployment / Secure model repository
- Execution: uptime & performance
- Data connectivity & Workflow integration
- -
- User / access management
- Version / update management
- Scenario management
- -
- Web frontend. Dashboard design
- Experiment planning
- Optimization
- Output analysis & interpretation

Trend #2: AI as an Integrated Productivity Tool
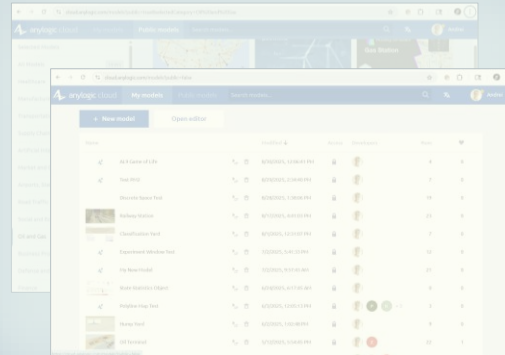(see our previous presentation at this ALC'25)

THE **AnyLogic** COMPANY

Outside of AnyLogic 8, this is what we have been working on for the last ~8 years, delivering to you piece by piece:

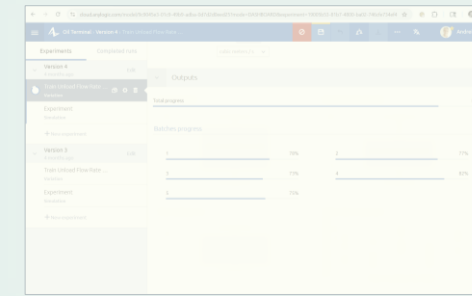# AnyLogic – one product for development, deployment, and use (Both On Premises and SaaS)
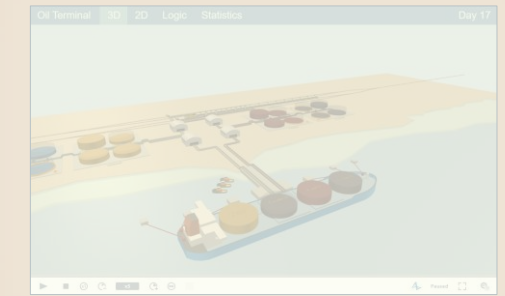
**Editor
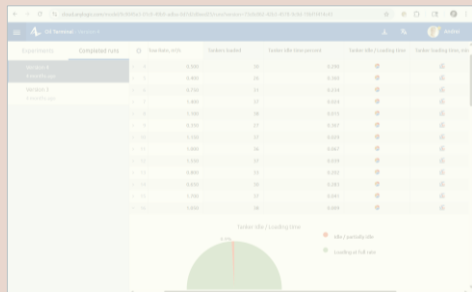(Development Environment)**

Model Repository / My Models

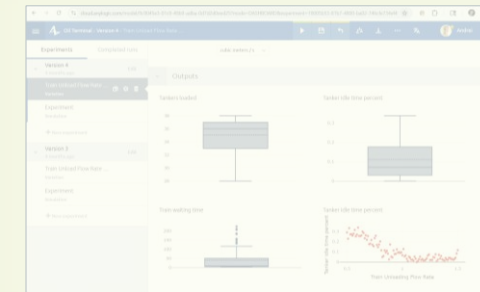**Parallel Execution in the Cloud**

Animation in the Browser

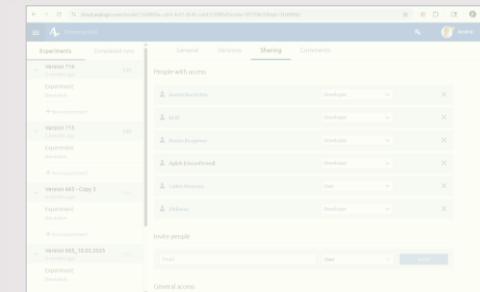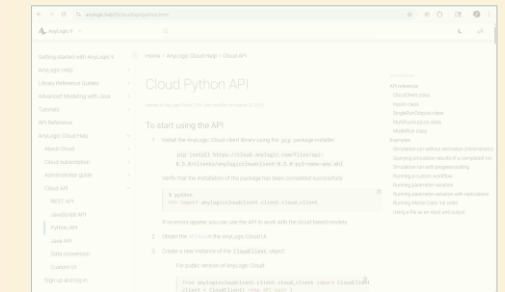**Completed Runs (all stay there!)**

Version Control, Scenario Management, Dashboards

Private Installation, User Management, Sharing options

Connectivity & Integration API: Python, JS, Java, REST, …

So, what's the status of the AnyLogic online Editor?

**Editor
(Development Environment)**

WE ARE HERE

✓ Released to date
– and available to everybody

Full functionality of the
currently selling product
(AnyLogic 8)

THE REAL JOURNEY OF ANYLOGIC STARTS HERE...

Fluid
Library

File Resources

Rail Library

Road Traffic
Library

Material
Handling Library

Java Classes

Shapes, Groups, ...

Errors view

Workspace
(multiple models)

Search & Replace

GIS

CAD

Statecharts

Custom
Libraries

Graphical Editor

Parameters,
Functions, ...

Pedestrian
Library

Project Tree

Model Inter-
Dependencies

Built-in DB
(import/export)

Built-in DB
(edit tables)

System Dynamics

Properties view

Process Modeling
Library

Events

Controls (2/2)

Spaces (2/3)

Multiselect

Console

Inheritance

Undo/Redo

Levels

Code Completion

Controls (1/2)

Charts (1/2)

Option List

Full sync with the Cloud

Charts (2/2)

Schedule

Canvas

Debugger

ALC'24
September 2024

ALC'25
September 2025

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