

# ONTOLOGY VERSIONING

OPEN INDUSTRIAL DIGITAL  
ECOSYSTEM SUMMIT

2024-02-09



# AGENDA

MEET THE MODERATORS

1. ADOPTION CHALLENGES

2. STARTER TOOLKIT  
DEFINITION

3. NEXT STEPS

# MEET THE MODERATORS



ADLANE  
SMART DATA EXPERT  
MILLIPORESIGMA



STEPHEN  
CO-FOUNDER CROWN POINT  
TECHNOLOGIES



# 1. ADOPTION CHALLENGES



# ADOPTION CHALLENGES



HOW DO YOU CURRENTLY USE ONTOLOGIES?

- **Data integration:** linking data across different systems
- **Data sharing**
- **AI applications**



WHICH CHALLENGES ARE YOU FACING IN THE USE OF ONTOLOGIES?

- Lack of skill sets and understanding of ontologies inside the organization.



YOUR USE CASES

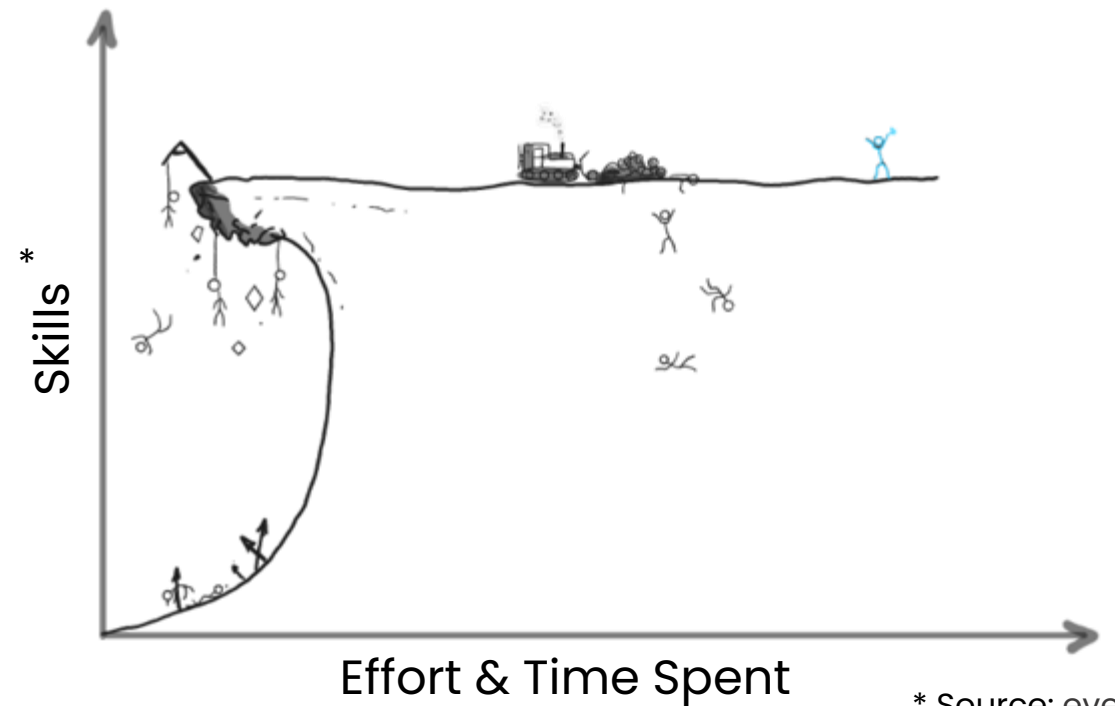
- **Biopharma:**
  - cross-scale comparative analytics
  - Sharing critical batch-to-batch data
- **Aerospace:** Maintenance and repair.



# ONTOLOGY ADOPTION

## ADOPTION CHALLENGES

Due to a complex ramp-up, we need to facilitate the adoption of ontologies and guarantee interoperability.



\* Source: [eveonline](http://eveonline)

# ONTOLOGY DEVELOPMENT AND DEPLOYMENT TOOLKIT

## AHA MOMENT

The 'aha' moment is a moment of sudden insight or discovery. In software, it's the pivotal moment when a new user first realizes the value of your product and why they need it.

Aha moments are emotional and impactful, creating a powerful impression that keeps users coming back for more. Ideally, your aha moment should happen the first-time users try your product—usually during onboarding\*.

\*Source: [Appcues](#)

➔ STARTER TOOLKIT



**Training  
Tutorials**  
Community of practice  
**Documentation**  
Open source solution  
**Starter toolkit**

Designed by Freepik

# ONTOLOGY DEVELOPMENT AND DEPLOYMENT TOOLKIT

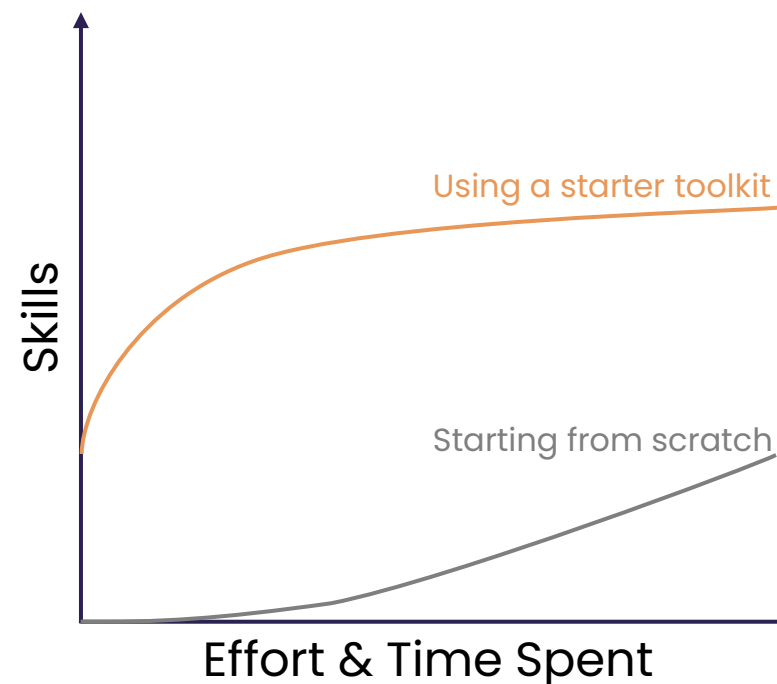
## BENEFITS

**Use case:** demonstrate the added value of an ontology to a process scientist in the **biopharmaceutical industry**.

Using a starter toolkit for your ontology can offer several advantages:

- **Learning and training:** For beginners, a starter toolkit can serve as a learning tool. It introduces individuals to different types of tools and their uses, helping them develop fundamental skills and knowledge in various areas.
- **Efficiency:** It saves time by providing a ready-to-use setup, eliminating the need to search for and manually configure individual tools.
- **Best Practices:** A starter toolkit provides a foundation that incorporates established guidelines, workflows, and recommended tools.

The goal of a starter toolkit is to empower the user



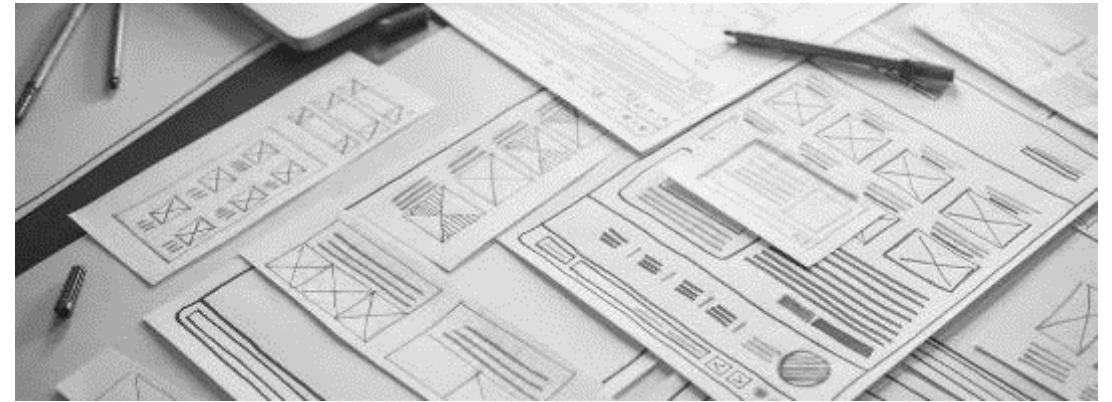




## 2. STARTER TOOLKIT DEFINITION

IDENTIFY THE NEEDS & DEFINE THE  
FUNCTIONALITIES

# COLLABORATIVE SESSION: FRAMEWORK



## PART I: IDENTIFY NEEDS

- **Objectives:** gather use cases, based on persona's needs/industry.
- Identify the current uses of the ontology (which tools, how they use them...) & the associated challenges
- What do they dream about for the future?
- Highlight the value of their dream solution



## PART II: DEFINE FUNCTIONALITIES

- **Objectives:**
  - Define the capabilities for the toolkit
  - Define the functionalities required to support/deliver the capabilities

➔ Join the **Miro board!**



# NEXT STEPS

LOOKING AHEAD



## WHAT'S NEXT?

1/ SHARE THE OUTCOMES OF THIS SESSION WITH IOF

2/ INITIATE THE STARTER TOOLKIT PROJECT

THANK YOU!



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