



# Athens Hackathon

**COMPLIANCEAUTHOR<sup>®</sup> AI**



January 17 – 18, 2024

# Agenda

- 1 About Glemser
- 2 Our Understanding of the Challenge
- 3 The Challenge
- 4 Our Approach
- 5 Demonstration
- 6 What Happens Next?
- 7 Next Steps & Appendix

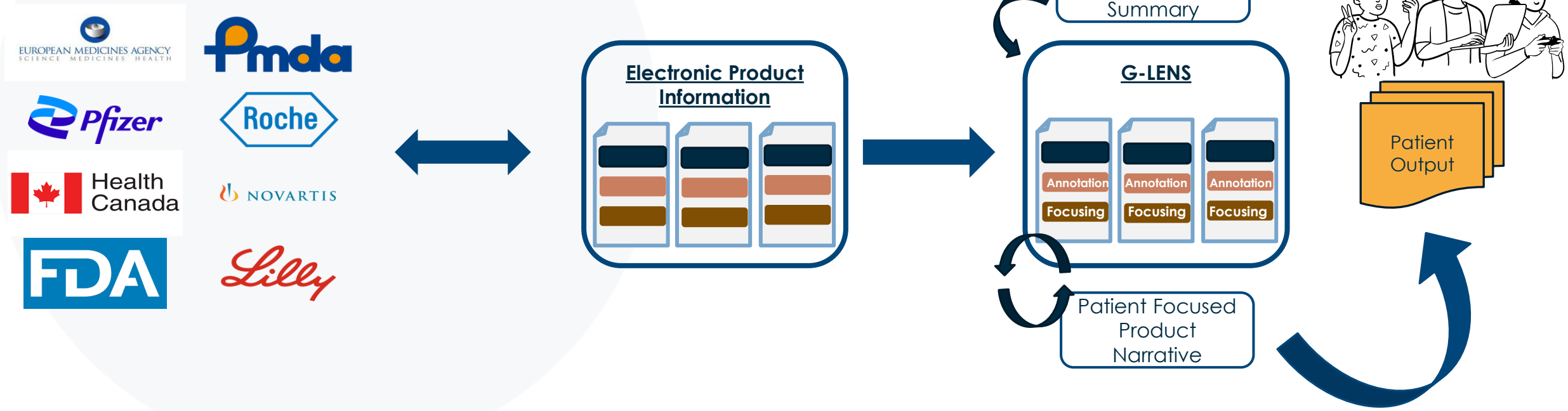
# Who We Are

Experienced pharma partner providing **structured content AI solutions** that improve the authoring process safely.

- AI-powered structured content authoring
- Accelerated authoring process
- Improved end-user experience
- Increased quality and patient safety
- Intelligence, speed & consistency



# ePI Generation & Usage: Our Understanding



# Challenge 1: Identify Rules to Personalize Patient Information

## The situation:

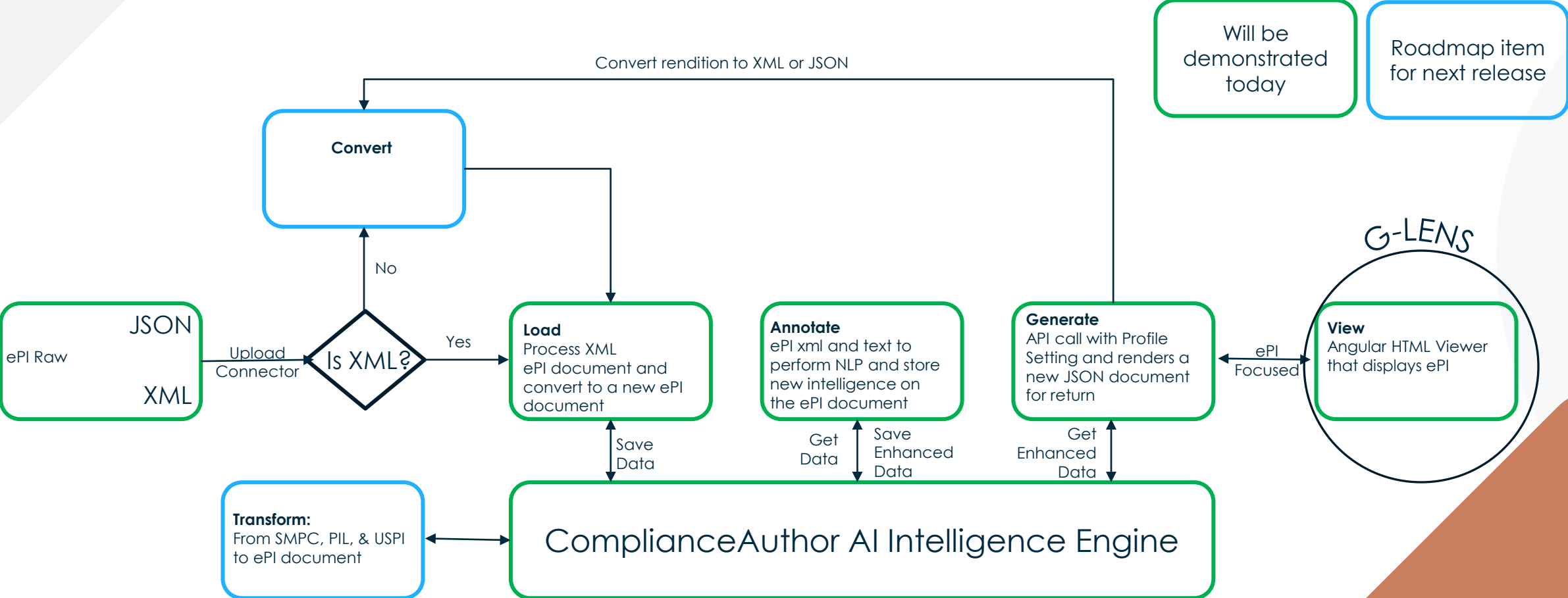
- ePIs need to be **semantically annotated**. The goal of this semantic annotation is to create a structured representation of the information contained within the unstructured text, making it easier to analyse, search, and understand.
- The application which will be used here is called **focusing**. Having identified the concepts that specific words or phrases refer to, and with the context and preferences of the user, each can be determined to be highlighted, for a particular user, because this concept is extremely relevant to them.

## The challenge:

- Create automated ePI preprocessing modules which—given a FHIR format ePI—will automatically add annotations to the content, keeping it in FHIR format for later use in the focusing mechanism.

**The scope of our presentation focuses on challenge 1**

# Our Approach to Solving the ePI Challenge



# Demonstration

1

## Load

ComplianceAuthor AI used crawlers to process data and ePI processors to convert source data into the reported ePI format.

2

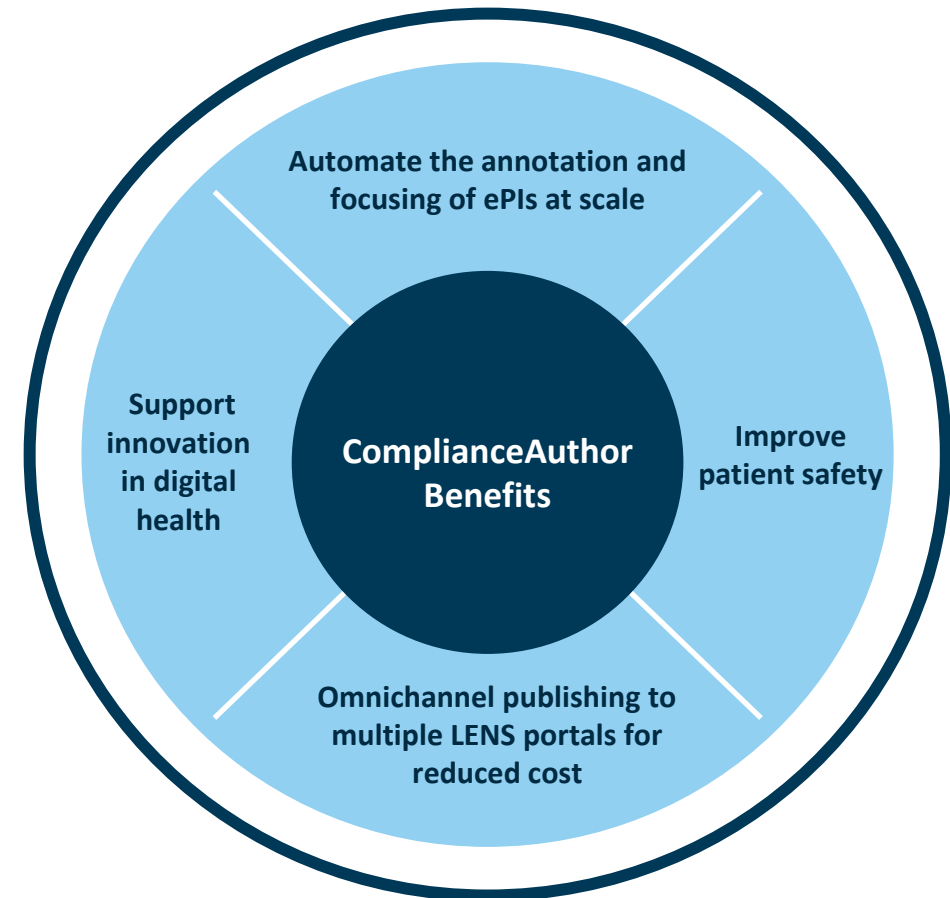
## Annotate

Perform an API to call the patient profile data and render the final ePI output for patient consumption...

3

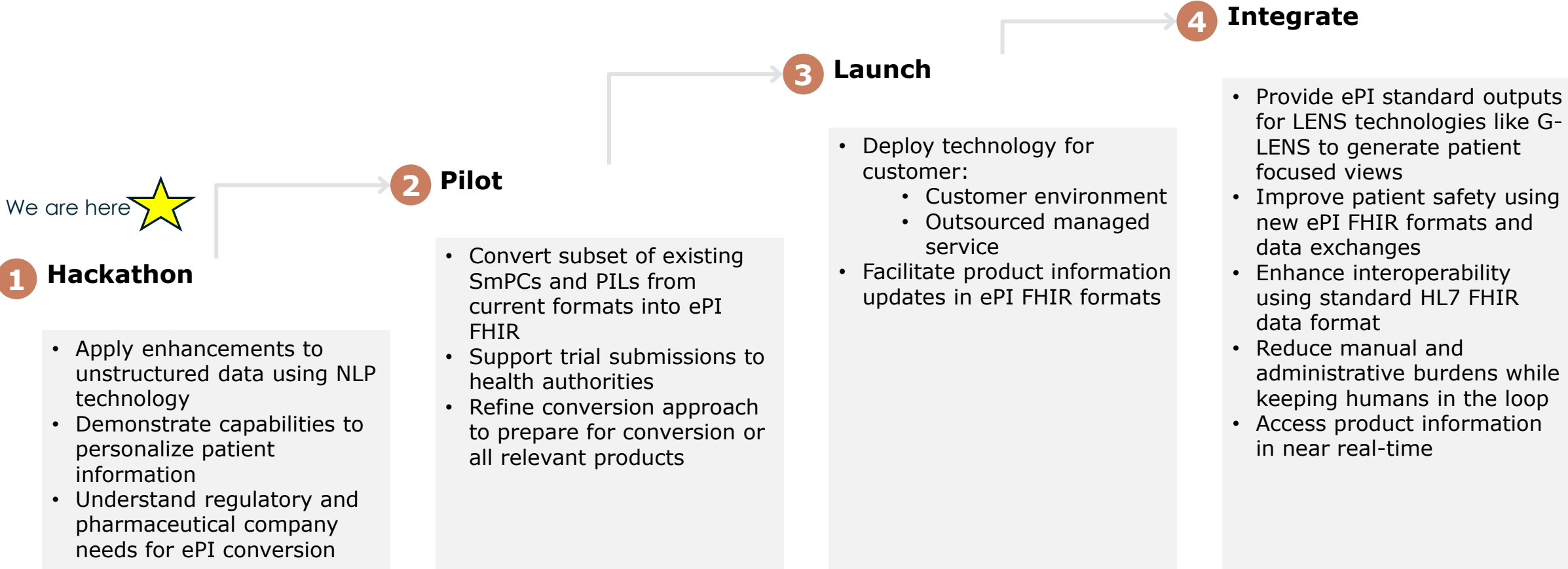
## View

Circle: Publish to multiple LENS portals for reduced cost.



# What Happens Next

Now that ePI information can be personalized with patient information, where do we go from here?



Releases of Approved ePI FHIR Implementation Guides





# Next Steps

- Contact us to discuss further:
  - **Kevin Morgan:** [Kevin.Morgan@glemser.com](mailto:Kevin.Morgan@glemser.com)
  - **Bryan Reynolds:** [Bryan.Reynolds@docxonomy.com](mailto:Bryan.Reynolds@docxonomy.com)
  - **Jamie Morisco:** [Jamie.Morisco@glemser.com](mailto:Jamie.Morisco@glemser.com)
- Visit our website:
  - [www.glemser.com](http://www.glemser.com)



# Conversion of SmPCs to Raw and Pre-Processed ePIs at Scale

ComplianceAuthor® AI is one of the first component-based content management systems to incorporate **natural language technologies and generative AI tools**.

## ComplianceAuthor® AI



### NLT

- Natural language processing and generation models trained on life sciences data
- Automate the most time-intensive steps in your authoring workflow – from cutting and pasting to rewriting translations



### SCA

- As you generate, review, and approve content on the front end, ComplianceAuthor® AI continuously maintains everything ad components on the back end
- No coding or manual conversion



### Dashboards

- Review real-time status and timelines via dashboard and reports
- Proactive management to adhere regulatory and internal timelines



### Publishing

- Using our natural language models, structured content authoring software, and dedicated life sciences experts, reduce the structured content management lifecycle by up to 50%