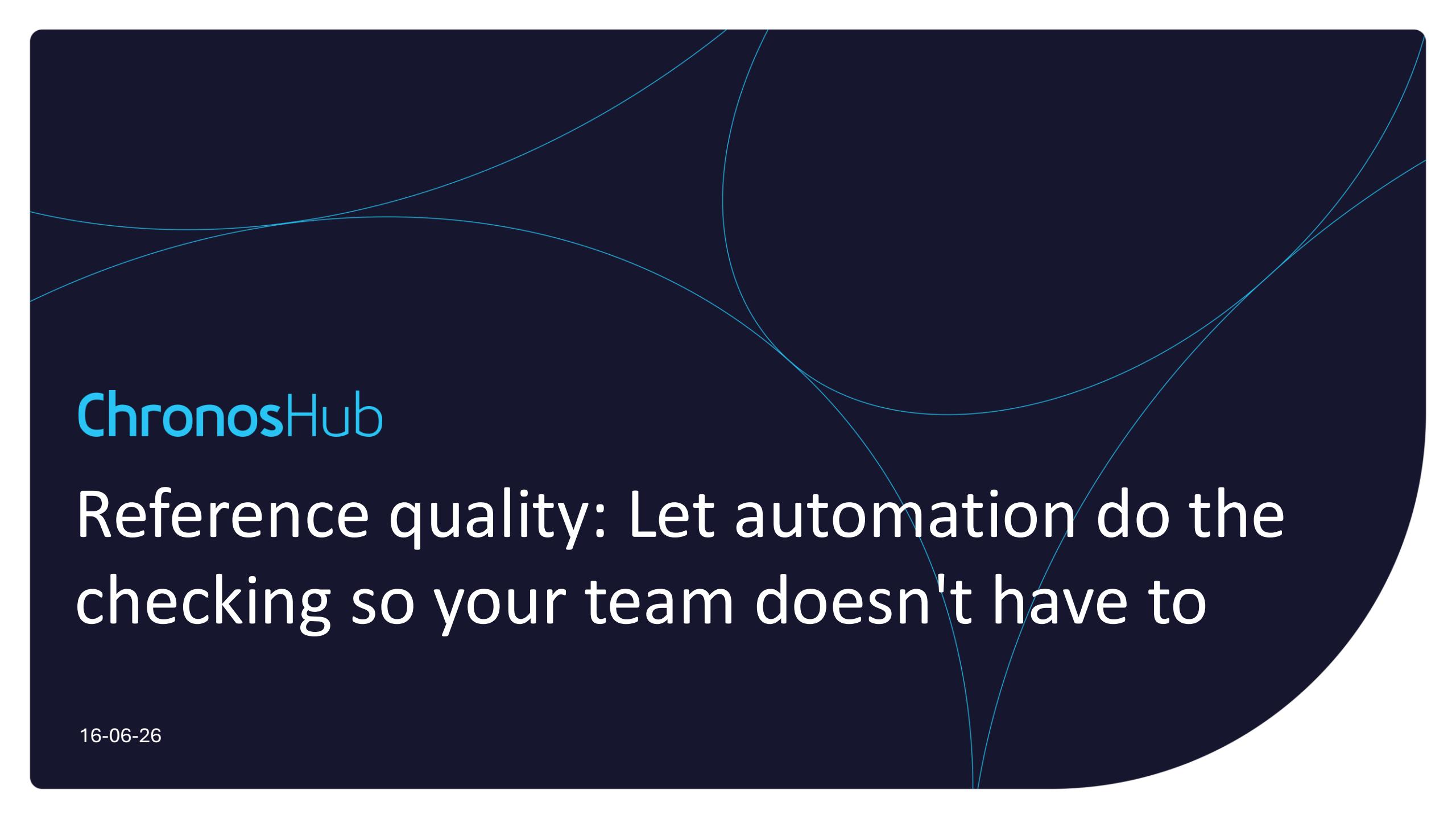




ChronosHub

Reference quality: Let automation do the checking so your team doesn't have to

16-06-26

Today's Speakers



Alexandra Caragata
Engineering Manager
ChronosHub



Zeger Karssen
Director
World Brain Scholar

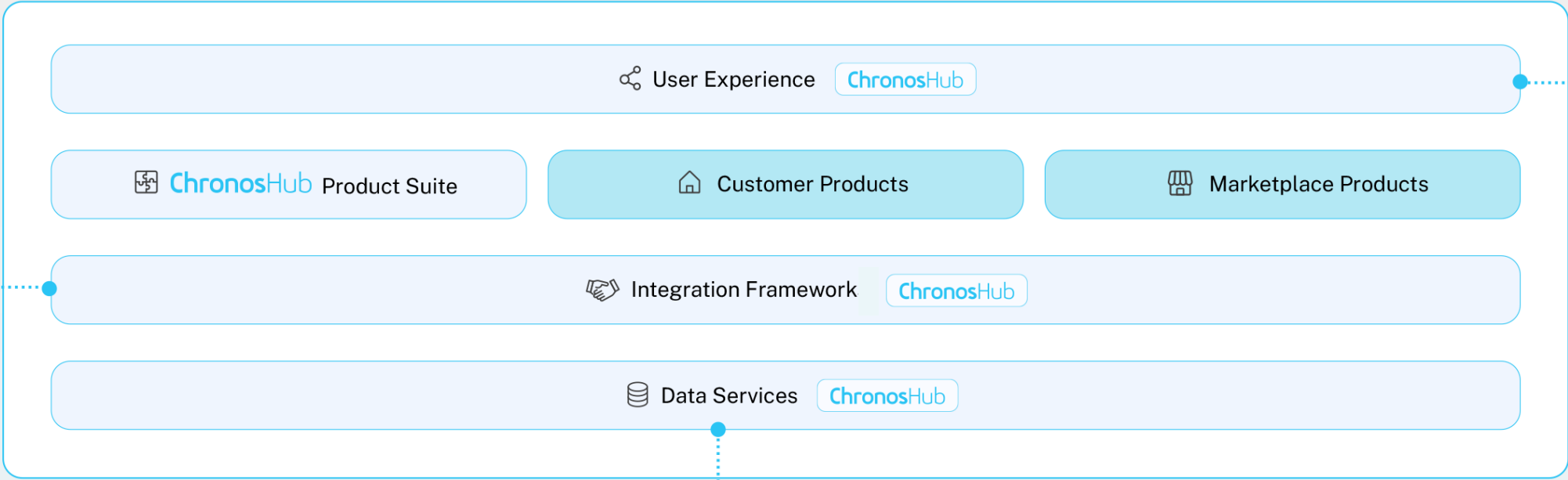


Koen Dercksen
CTO
World Brain Scholar

ChronosHub Integration Layer

Product vision

Researcher-first end-to-end user experience



Integration framework to allow customer freedom

Data services for revelatory insight, robust audit trails, and enabling downstream efficiency

Benefit multiplier



Integrate once

Developing an integration to support one feature type allows supporting that feature type across multiple third-party applications.



Freedom to choose

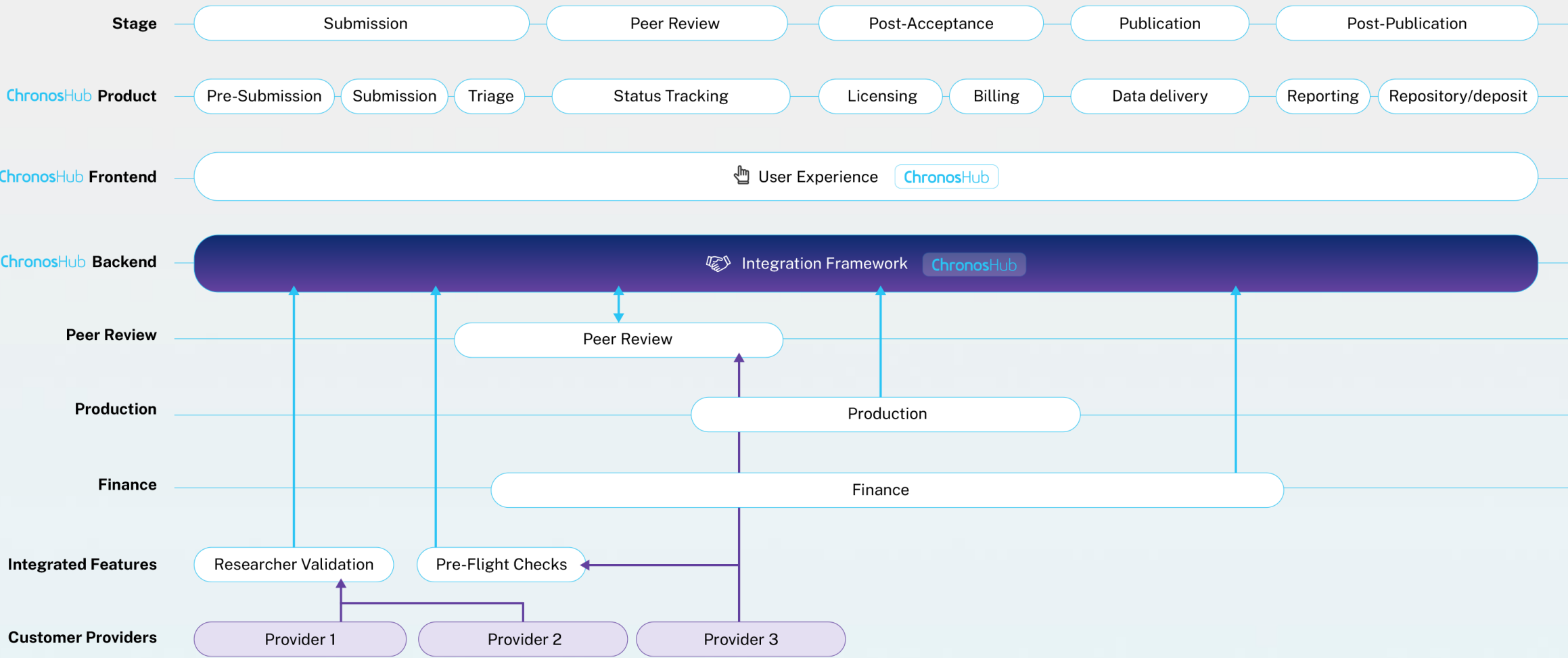
Publishers can swap and evolve tools at their own pace without waiting for the translation bottleneck.



Data capture

Events flowing in and out of the system can be captured in a normalized way.

Platform vision





Reference checking with **Eliza**

World Brain **Scholar**

Introduction to **Eliza**

Eliza is an AI-powered tool to support the peer review process.

- Improve peer review quality
- Expand and engage the reviewer pool
- Give authors better feedback
- Accelerate and simplify decision making
- Safeguard research integrity

Better peer review, **faster** decisions.

References are **important**

- References tell you whether research is informed, contextualised, and properly connected to existing knowledge.
- Problematic indicators:
 - ◆ Missing key papers
 - ◆ Heavy self-citation
 - ◆ Outdated references
 - ◆ Refs to low quality publications
 - ◆ Refs to retracted papers

What Eliza does

Manuscript analysis for editorial office staff, reviewers and editors:

- Basic content checks
- Reference statistics and additional data
- Related work suggestions
- Reference similarity
- Self-citations & retractions

Paper details

BERT: Pre-training of Deep Bidirectional Transformers for Language Understanding

[Edit title](#)

Abstract: We introduce a new language representation model called BERT, which stands for Bidirectional Encoder Representations from Transformers. Unlike recent language representation models (Peters et al., 2018a; Radford et al., 2018), BERT is designed to pretrain deep bidirectional representations from unlabeled text by jointly conditioning on both left and right context in all layers. As a result, the pre-trained BERT model can be finetuned with just one additional output layer to create state-of-the-art models for a wide range of tasks, such as question answering and language inference, without substantial task-specific architecture modifications. BERT is conceptually simple and empirically powerful. It obtains new state-of-the-art results on eleven natural language processing tasks, including pushing the GLUE score to 80.5% (7.7% point absolute improvement), MultiNLI accuracy to 86.7% (4.6% absolute improvement), SQuAD v1.1 question answering Test F1 to 93.2 (1.5 point absolute improvement) and SQuAD v2.0 Test F1 to 83.1 (5.1 point absolute improvement).

Checks:

Conflict of interest statement

The paper does not include a conflict of interest statement or any mention of disclosures, funding, or related phrases.

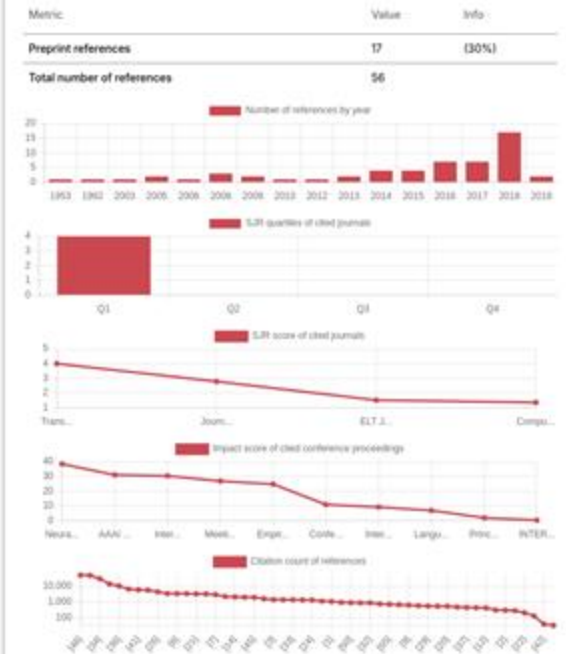
IMRAD structure

The paper does not follow the traditional IMRAD structure as it includes sections such as Introduction, Related Work, Model Architecture, Pre-training, Fine-tuning, Experiments, and Conclusion, but lacks a distinct Methods or Discussion section.

[View PDF](#)

Reference analysis

[Learn more](#)



Transforming peer review

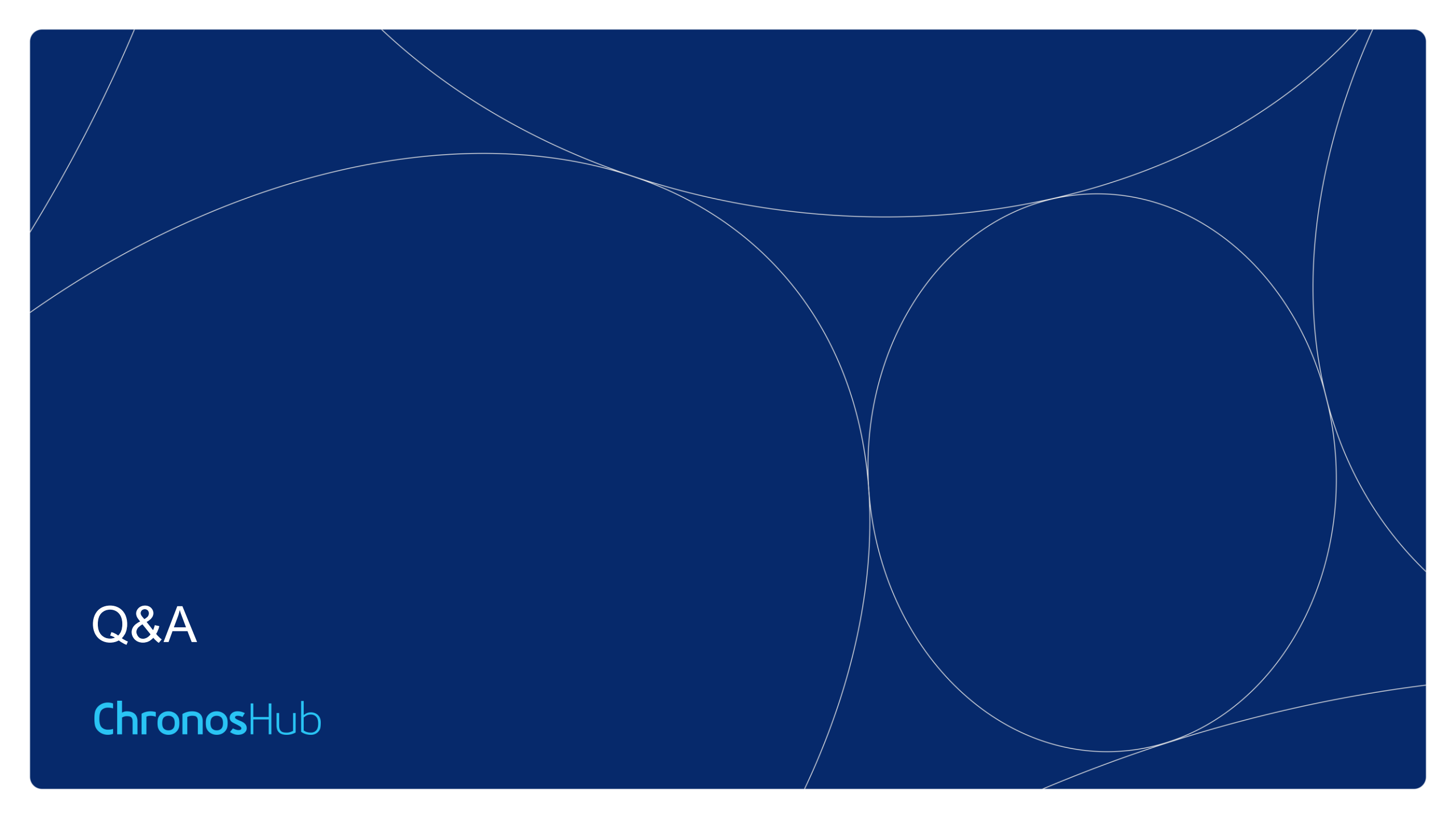
- Time gain: seconds instead of >15 - 90 minutes
- Complete first impression of bibliography quality

Demo time!

<https://www.world-brain-scholar.eu>

contact@world-brain.eu





Q&A

ChronosHub



Thank you!

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