An Overview of AI Services in Korean Libraries

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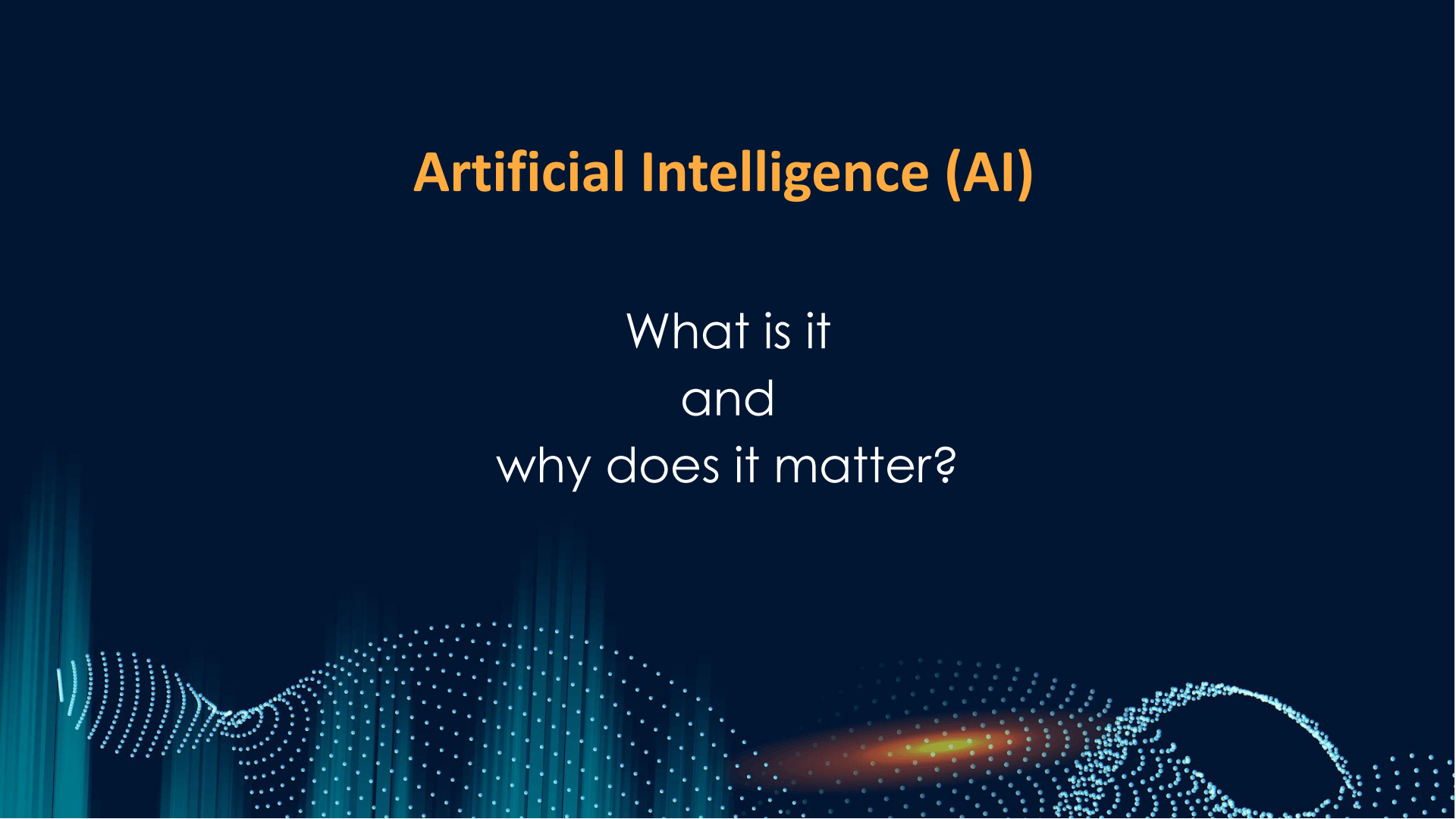
CEAL 2024

Artificial Intelligence (AI)

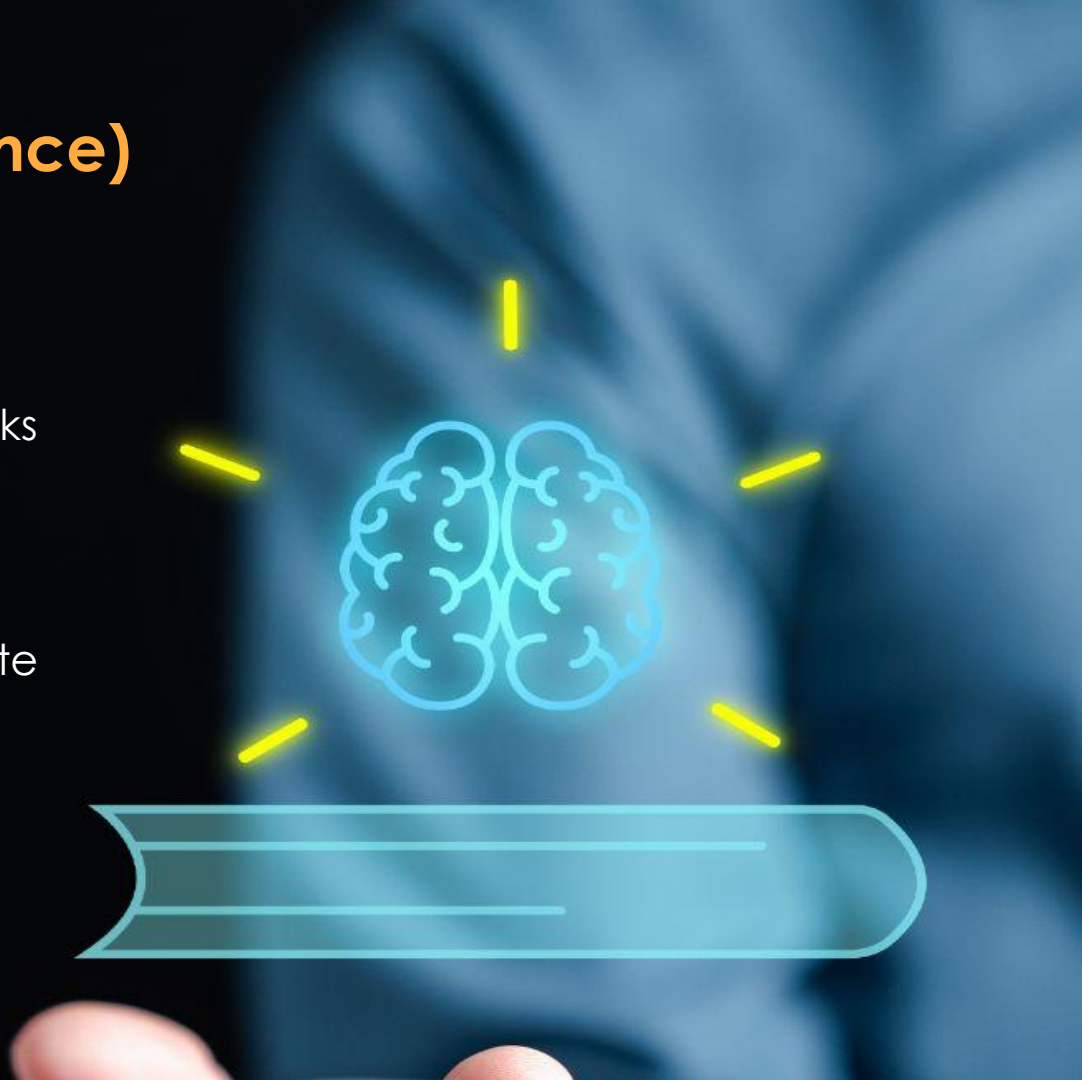
What is it
and
why does it matter?



AI (Artificial Intelligence)

…software used to perform tasks or produce output previously thought to require human intelligence, esp. by using machine learning to extrapolate from large collections of data.

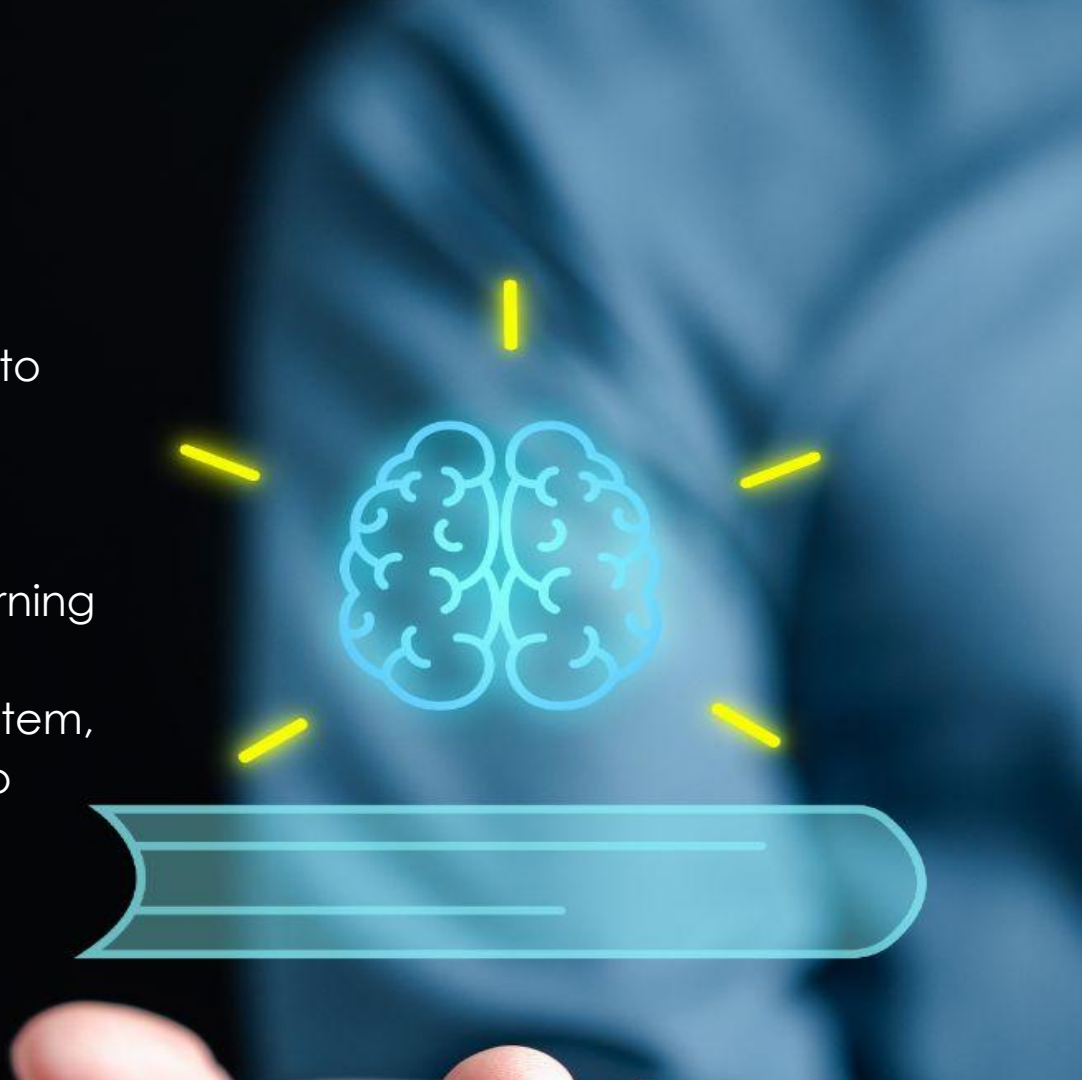
OED



Generative AI

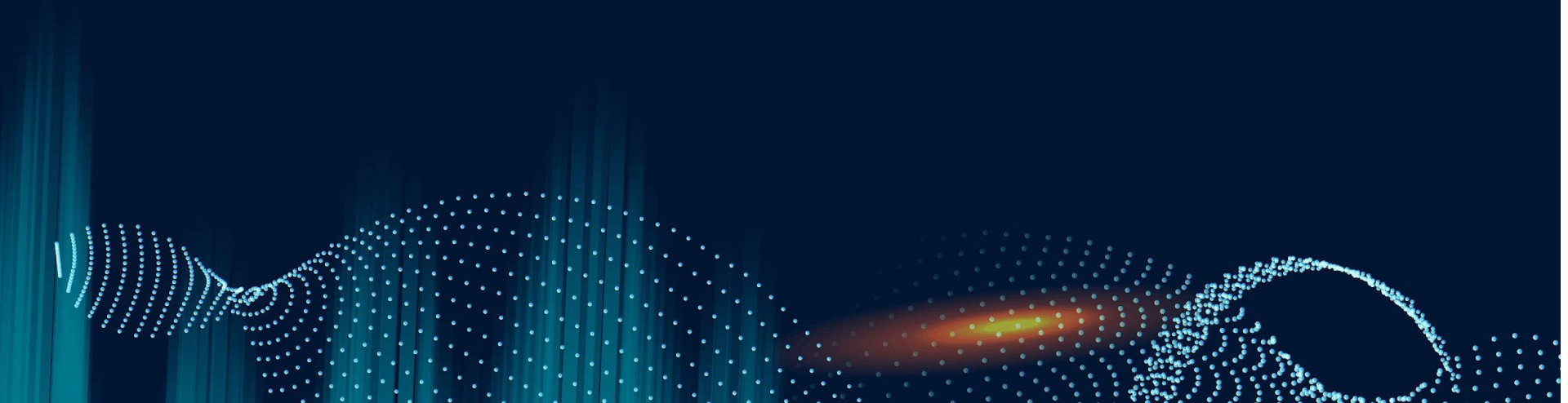
Artificial intelligence designed to produce output, esp. **text or images, previously thought to require human intelligence**, typically by using machine learning to extrapolate from large collections of data; (also) a system, piece of software, etc., used to create content in this way

OED



with Generative AI,

Are we done for?



“Librarians, every decade or so, are getting good at dealing with an existential crisis of ‘Do we need librarians?’”

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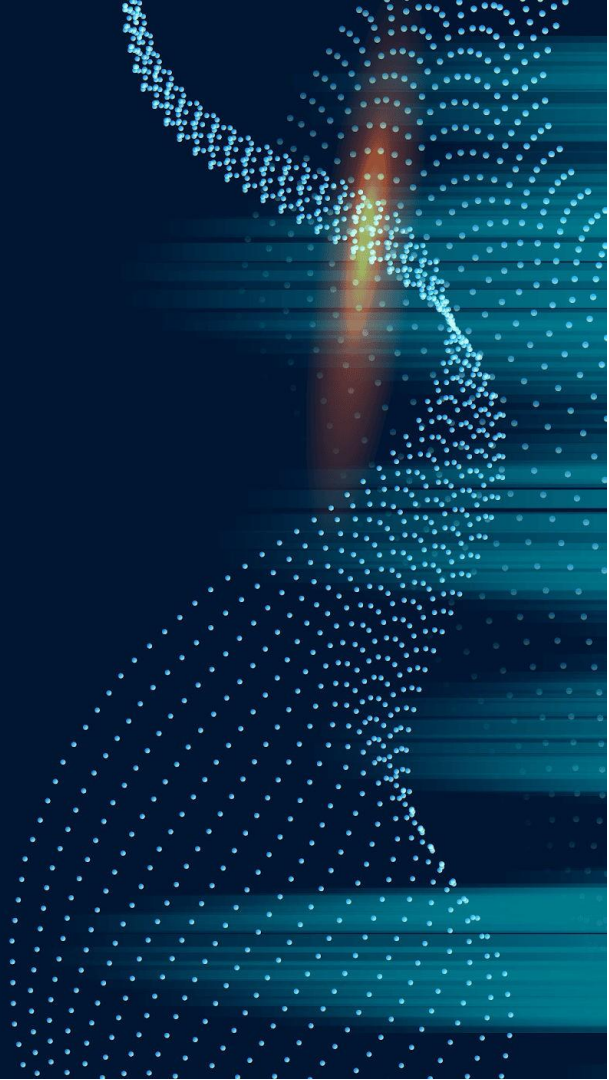
AI Services In Korean Libraries

- Library Service
  - Suwon Women's University
  - National Assembly Library of Korea
- Programming and events
  - Yonsei University Library
  - Sejong City Library
- Database Integrations
  - DBpia

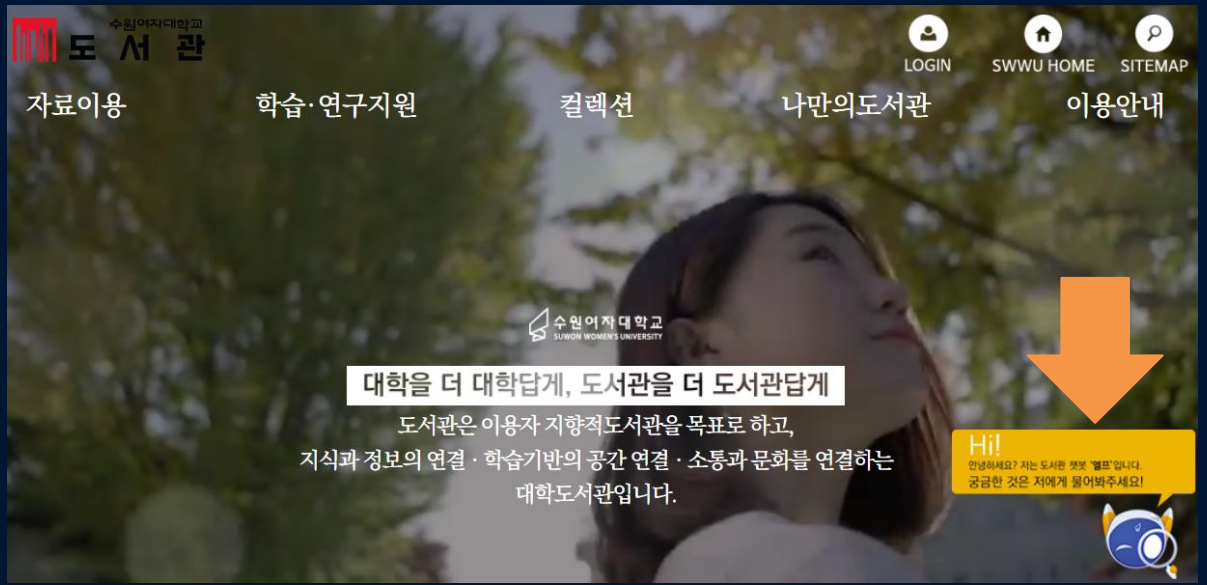


Suwon Women's University

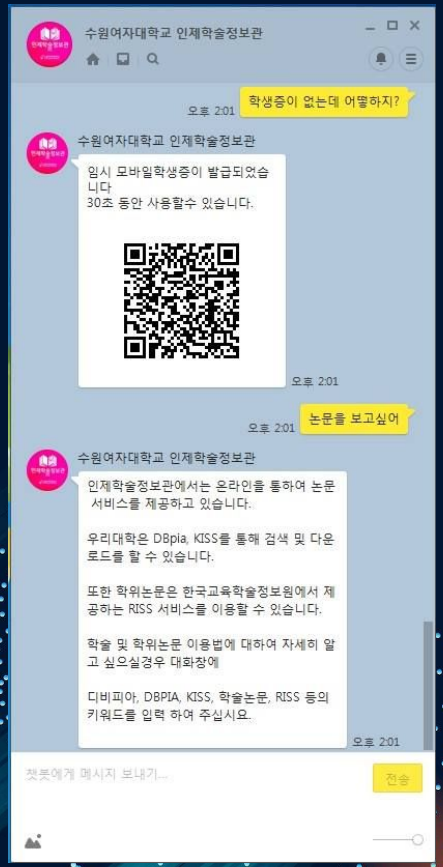
Chatbot elf: e-library Friend 2018

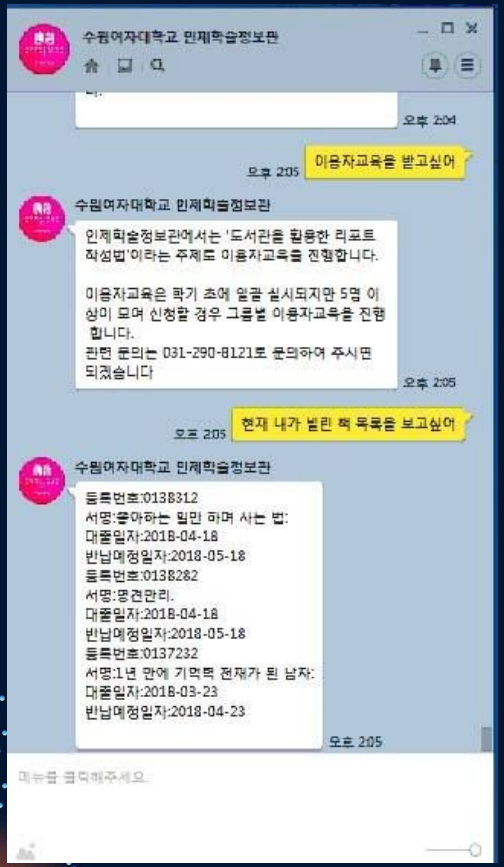
- First in the nation to introduce this service
- Available 365, 24/7
- Users can ask through the chatbot on the website or via Kakao Talk
- Can issue Temporary Mobile Student ID
- Can review checked- out books and do renewals
- Search for books and place holds
- Library Hours and provides user guide for the library
- 80% relevant answers

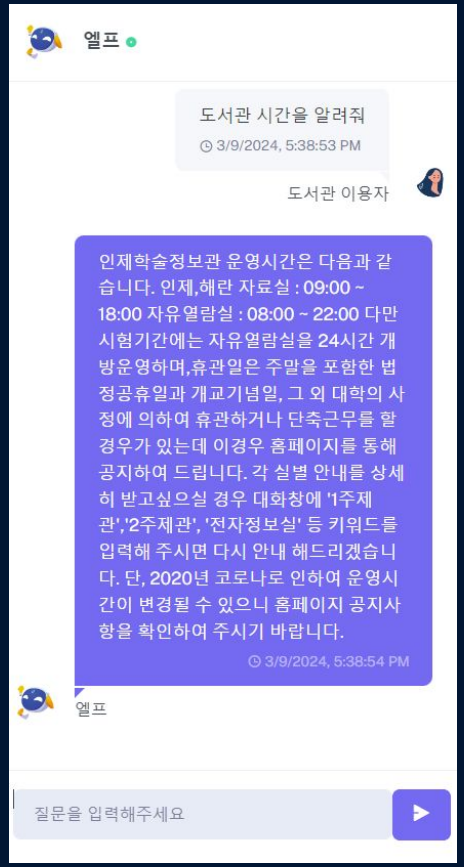
Suwon Women's University



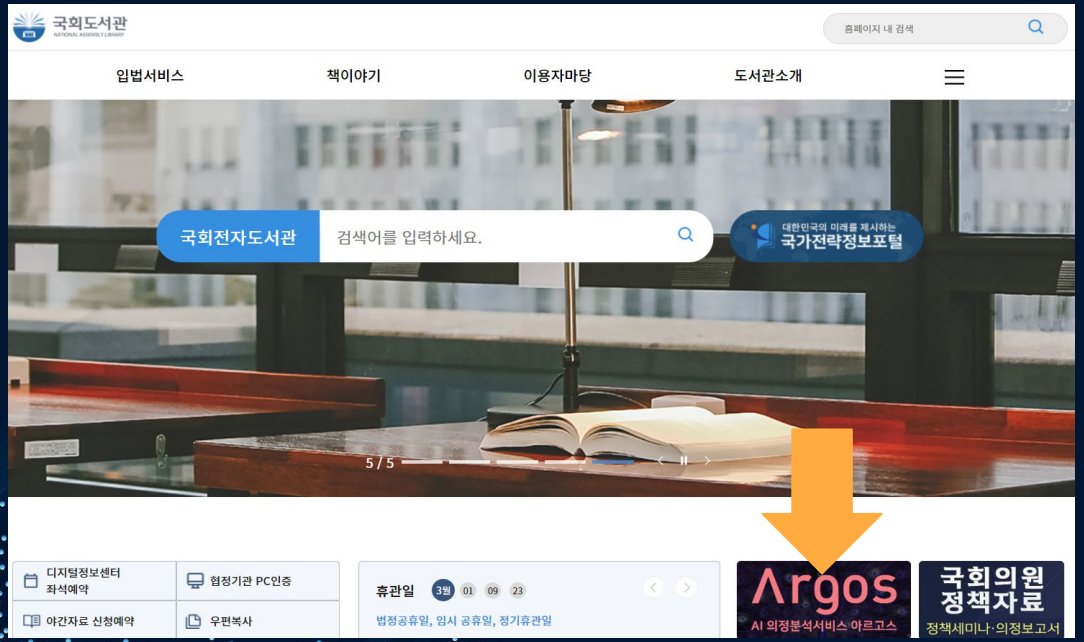
Suwon Women's University







National Assembly Library

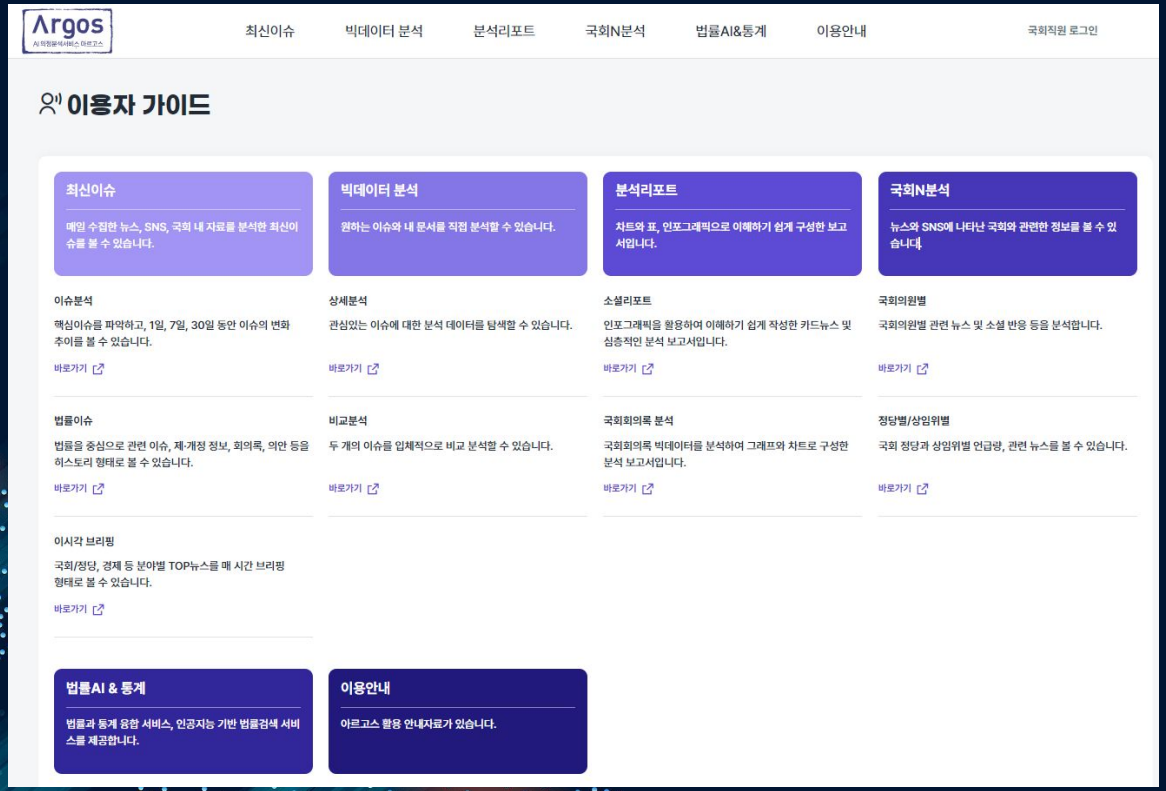


https://www.nanet.go.kr/main.do

Argos (https://argos.nanet.go.kr/) 2019

- AI legislative activities analysis service for the Assembly Library
- Monitors news and social media to display auto extracted information in various ways.

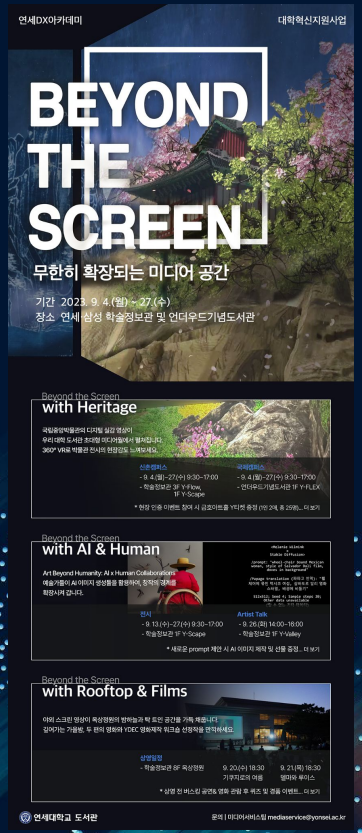
National Assembly Library



Argos (https://argos.nanet.go.kr/) 2019

- Current issue
  - Issue Keyword (as of date)
- Big Data Analysis
- Analysis Report
- News and Social Media Analysis
- Law and Statistics
  - AI chat available

Yonsei University Library



Y-Smart Space 2020

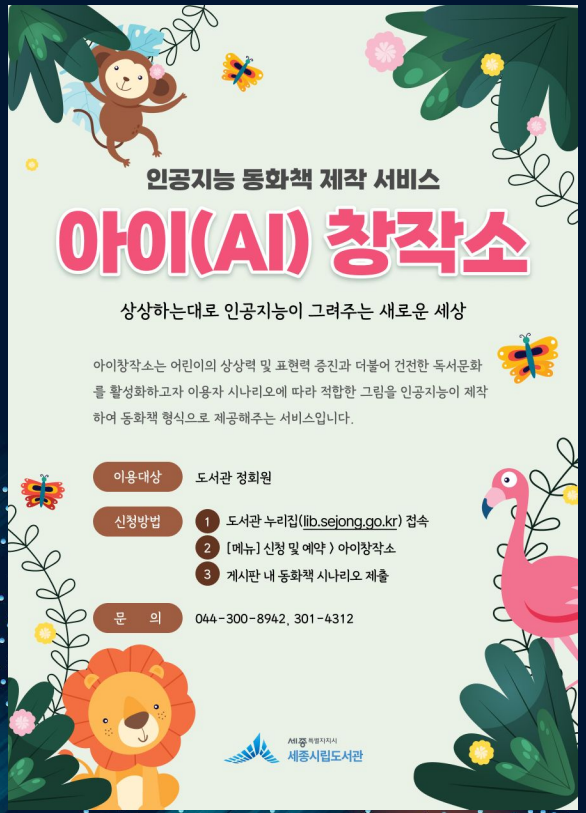
- Space to actualize ideas using AI and other digital developments such as Internet of Things, virtual reality, etc.

Yonsei University Library

Digital Transformation Academy 2020

- Education on AI, Data Analysis, Python etc.
- Provided in the form of courses, workshops etc.

Sejong City Library



AI Creative Workshop 2023

- AI Picture Book Service
- Patrons fill out the form with picture book content
- Library staff fill out the prompt on AI program (K-AI Grimm)
- Adjust as needed to make the book content into a PDF
- Post on the library website
- Sometimes print and bind to make into an actual book

Sejong City Library

<가로형>

표지그림 요구사항	책 제목	글쓴이
※ 원하는 그림에 대한 요구사항을 한 문장으로 기재주세요. (캐릭터·배경·색상 등 키워드 3개 이내) 예시) 바다 위를 나는 갈매기	※ 책표지에 입력됩니다. 10자 이내 작성	※ 책표지에 입력됩니다.

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그림 요구사항	가로형 시나리오
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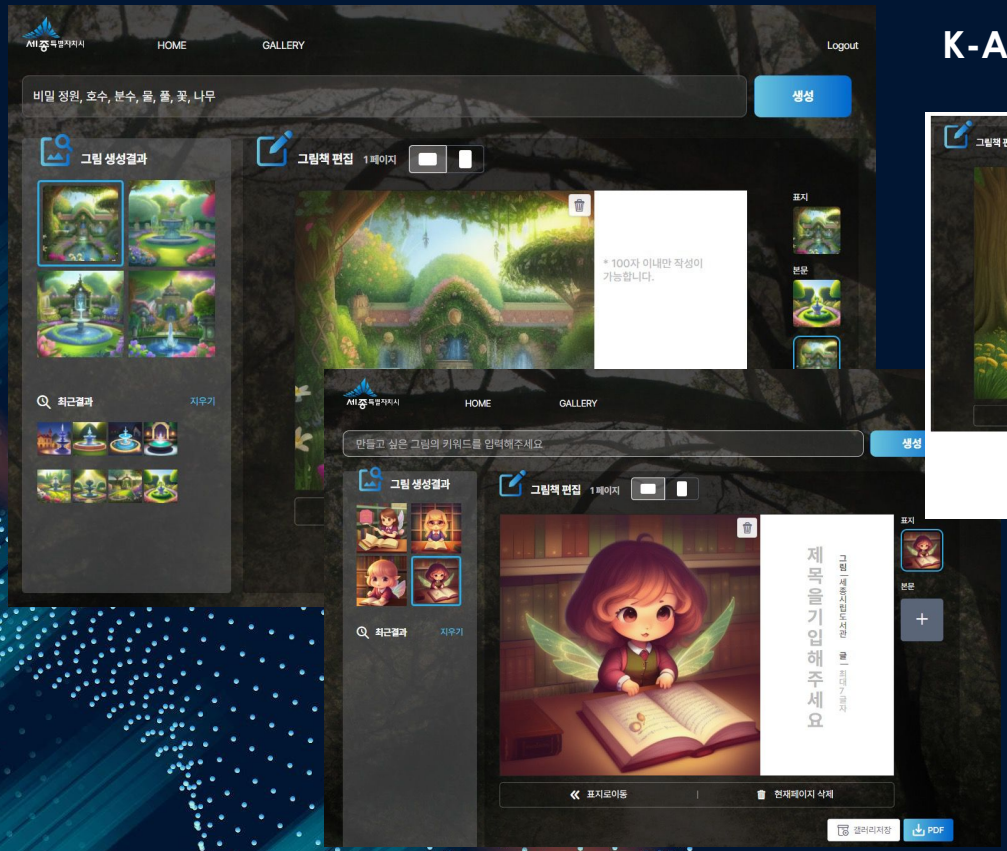
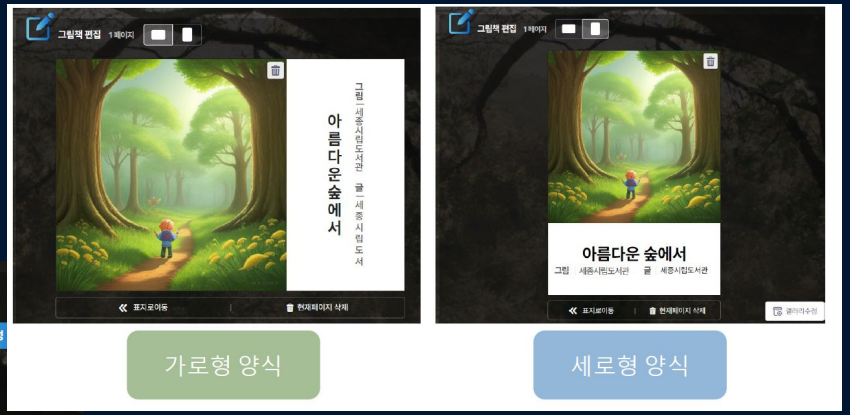
Sejong City Library



K-AI Grimm platform



Sejong City Library

퍼퍼의 여행

그림 | 세종시립도서관 글 | 김은지

강아지 퍼퍼의 엄마는 시장에 가요

" 퍼퍼야 ~
엄마 시장다녀올게"

"네 ~ 잘다녀오세요"

DBpia

AI Chat Service 2023

- Works similar to Chat GPT
- Provides features such as Article Summary, search, analyze, translate etc.
- Suggests questions to ask
- Can use on 10 articles and up to 100 questions / day

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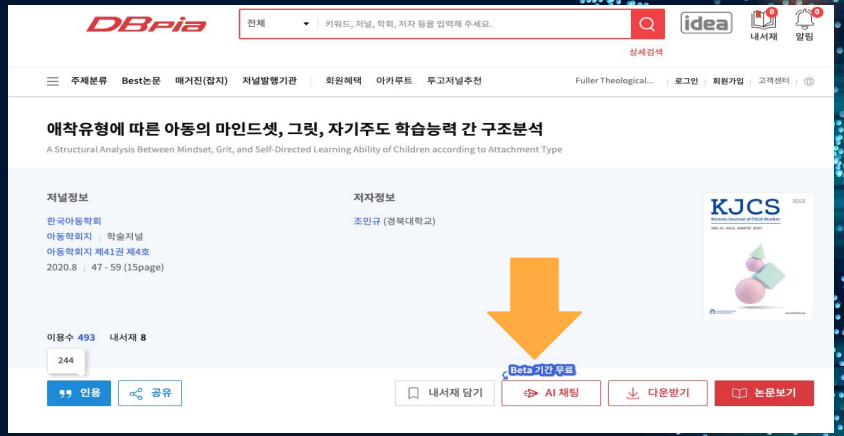
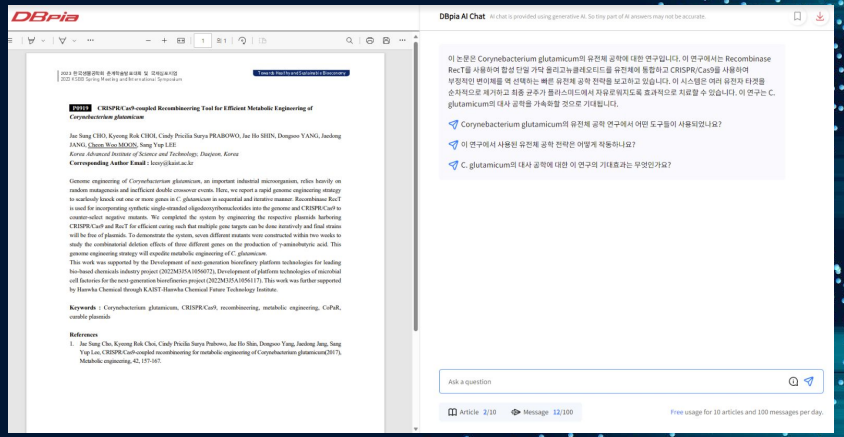
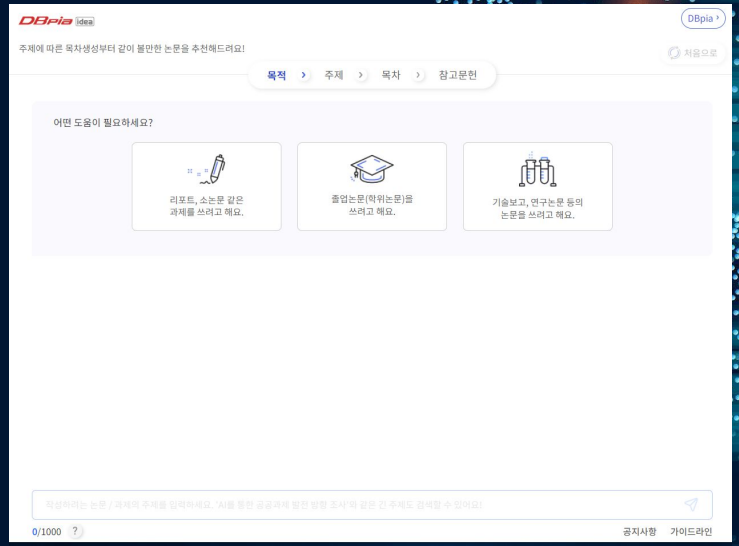




DBpia

AI idea

- Research topic recommendations
- Generates a sample outline/ table of contents
- Linked with resources from DBPia
- Can set notifications for due date reminder



Conclusion

"Librarians, every decade or so, are getting good at dealing with an existential crisis of 'Do we need librarians?' **But with this one they've been very open to embrace, discuss and analyze this**."

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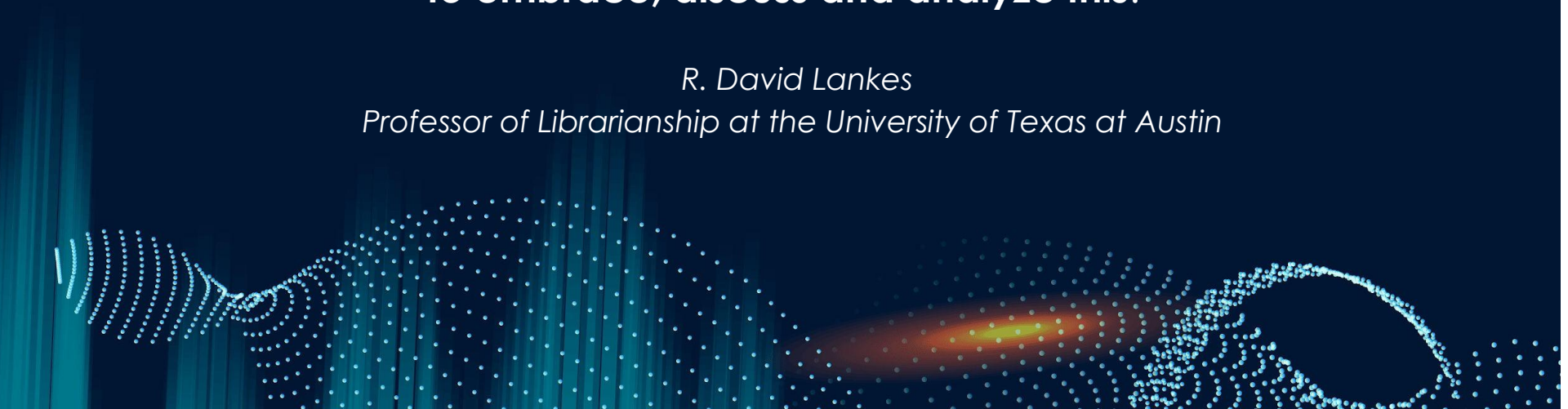
Professor of Librarianship at the University of Texas at Austin



Thank You!

Questions?

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