

## Development trends in the GLAM sector

- Displaying the collection online
- Accessing the full collection digitally
- Moving visitors' experience outside the walls
- Redefining the role of museums and libraries as community gathering places
- Encouraging visitors to bring their smart devices

# Al and Chatbots at the Library

## Al Technology selection:

- Smart navigation through RFID scanning
- Facial Recognition
- Intelligent Question-Answering (IQA) and Recommendation System

# Chatbot as a Library Assistant

#### Meet Ellie:

- "The right person" to answer all user questions 24/7
- Average number of questions answered monthly - 600 to 1200
- Extremely high number of returning users - 92%



## Evaluation and Assessment

#### **Automatic metric**

- Wrong words
- BLEU (Bilingual Evaluation Understudy)

#### Metrics based on human judgment

- Pairwise comparison of answers
- Rating on 5- or 7-point Likert scale

#### **Performance assessment**

- Number of reference transactions
- Quality of the responses provided
- User satisfaction

# Objections against Chatbots

A significant number of library professionals consider:

- Interaction human-to-human better than human-tochatbot
- Machines could displace workers
- Issues of cybersecurity and access control

## The Future of Al in Libraries

### DigiGid – a Digital Al Guide

- Book readings recommendations
- Navigation through the real and virtual library space
- Book location (room and shelf)
- Various search options (Title, Author, Subject headings, genre, etc.)

- Book annotations and short summaries
- Personal reading list creation
- Personalized learning pathways
- Book ratings

## Conclusions / Advantages

- Better service
- Accessibility and inclusivity
- Extend working hours
- Improving the user satisfaction
- Performance of specific library functions
- Increase activity and attract users
- Increase the social networks communication

# Conclusions / Disadvantages

- Inconsistent responses
- How to negotiate
- Training and Education

### Thank you for your attention!

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