

# 2025 Silk Road International Library Alliance Conference

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Cultural Inheritance and Sustainable Development in Libraries

National Library and Archives of I.R. Iran Projects

**1. Leveraging AI in Library Processes**

**2. Applying the CIDOC-CRM Ontological Model**

**Soheila Faal**

✉ [soheilafaal@gmail.com](mailto:soheilafaal@gmail.com)





A Comprehensive Review and Presentation of the Most Influential Books of the Past Century



The Specialized Halls

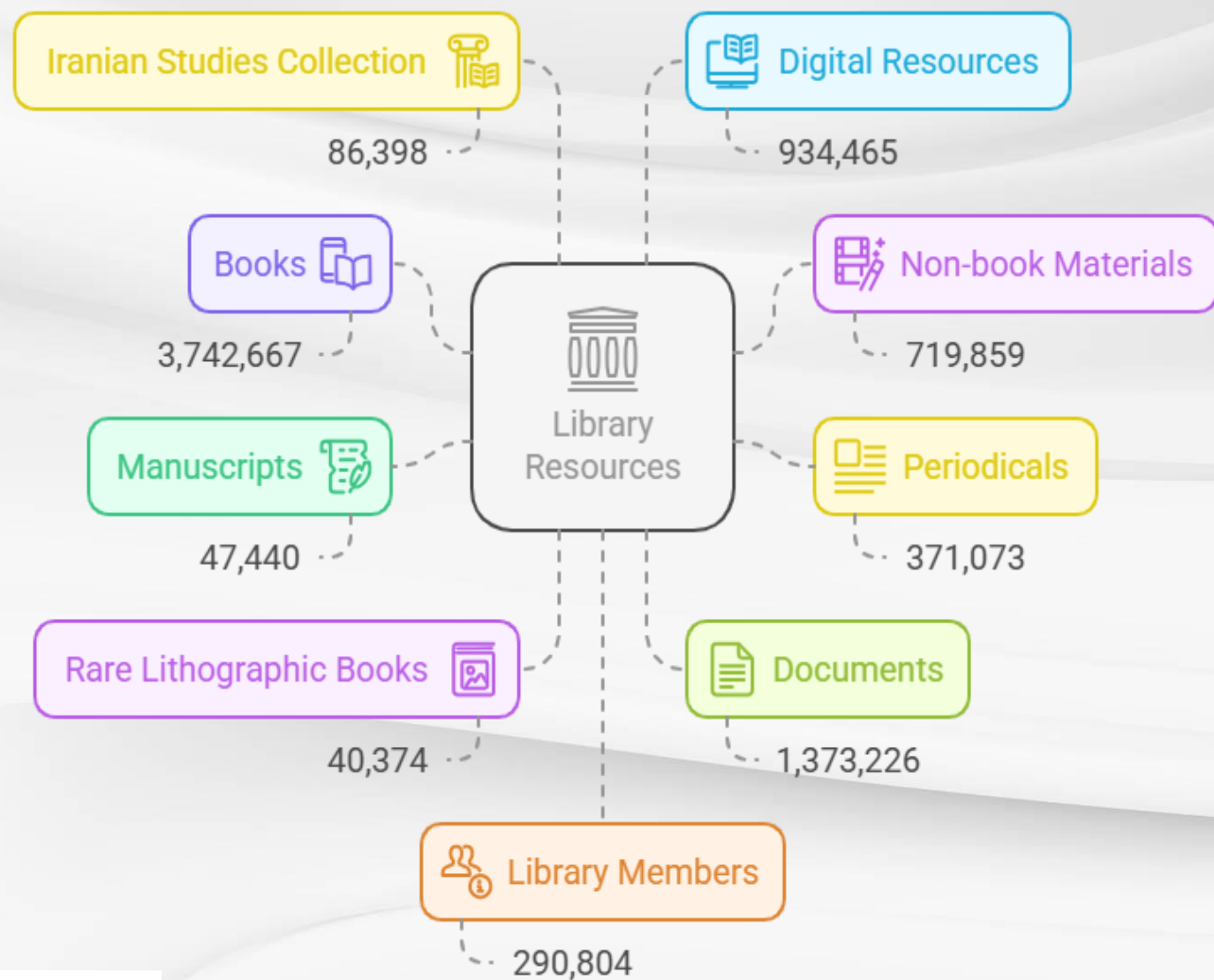


the main buildings of the National Library & Archives of the Islamic Republic of Iran



The Book & Documentary Heritage Museum of Iran

## Library Resources and Membership Overview



## The role of the National Library and Archives of I.R. Iran in Preserving Cultural Heritage

- Preservation of resources
- Digitization efforts
- Exhibitions & workshops
- National archives merger
- Future generations

Made with Napkin





# Leveraging AI in Library Processes

- Challenges of information management in the digital era
- A transformative project at the National Library and Archives of Iran
- Focus areas:
  - AI-driven automated cataloging
  - Semantic and multilingual search





## AI-Driven Automated Cataloging

- Collaboration with knowledge-based companies
- Technologies used: OCR, ML and NLP
- Results:
  - 50% reduction in cataloging time
  - Improved data processing accuracy





# Preserving the Past, Building the Future

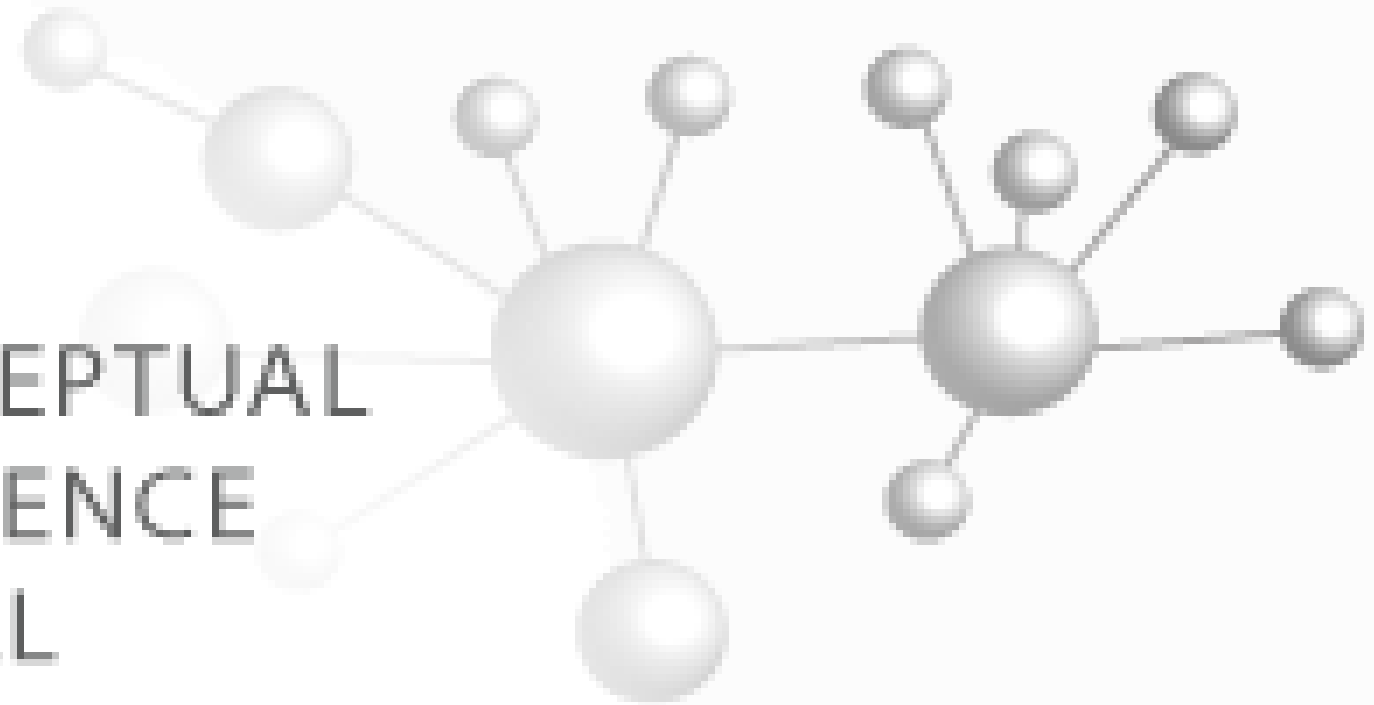
- Cultural heritage preservation through AI innovation
- Sustainable knowledge access for future generations
- Libraries as bridges connecting history, culture, and future development

**Shaping a future where knowledge and heritage endure**



CIDOC  
CRM

CONCEPTUAL  
REFERENCE  
MODEL



## Applying the CIDOC-CRM Ontological Model





# Global Research on CIDOC-CRM

- Applied in museums, archaeology, and more
- Ensures interoperability in global data sharing



# Research in Iran

- Research since 2018
- Qoqnoos Software development
- Used in archaeology and museum collections





# Future Outlook

- CIDOC-CRM shows promise in cultural heritage documentation
- More research needed for broader library applications
- Collaboration can enhance its impact



# Conclusion

CIDOC-CRM has the potential to play a significant role in the sustainable development of libraries, especially in cultural heritage management.





National Library  
& Archives of I.R. IRAN

**Thank you for your attention**

**Soheila Faal**

Ph.D. in Library and Information Science

✉ [soheilafaal@gmail.com](mailto:soheilafaal@gmail.com)