

Proposal for iPres2021 Workshop on Trustworthiness Auditing for Sustainable Digital Preservation Services

Organizer: National Digital Preservation Program, China

Chief Presenters: XL Zhang, CAS, China; YH Tong, Peking U., China

Purpose: Digital preservation (DP) service can be provided at various levels and by different agents. But the very nature of DP requires that the service be provided in a reliable, resilient, trustworthy, and sustainable way. This further demands a systematic thinking covering the contextual, legal, organizational, technical, administrative, financial, and personnel aspects of the services, and an evidence-based operations approach ensuring the requirements for trustworthiness is understandable, implementable, measurable, verifiable, retraceable, accountable, transparent, and efficiently executable. The auditing is a tool and an opportunity, but the resulting trustworthy service is the starting point and the desired result. The workshop will summarize international understanding, standards, and best practices, but will mainly use the experience of NDPP to illustrate how a real life digital preservation service develops itself in response to the requirements of trustworthiness auditing in regard of those principles. The audience will be asked to discuss their requirements and efforts or plans from their individual needs for digital preservation services.

Content:

Introduction to international scene of trustworthiness auditing and certification for data repositories.

Systematic framework for trustworthiness of digital preservation services.

Contextual trustworthy requirements and mechanisms to ensure them.

Legal trustworthy requirements and mechanisms to ensure them

Organizational trustworthy requirements and mechanisms to ensure them.

Technical trustworthy requirements and mechanisms to ensure them.

Systems trustworthy requirements and mechanisms to ensure them.

Administrative trustworthy requirements and mechanisms to ensure them.

Financial & personnel trustworthy requirements and mechanisms to ensure them.

The efforts you need to make ensuring trustworthiness of your DP services.

Time duration: 90 minutes

Methods: Basic lectures (60 minutes); Analysis (30 minutes) based on different roles (Libraries entrusting a public or commercial DP service, a LAM institute or data centers providing the service, publishers or other resource producers, public or philanthropic funders, tech or system providers, etc.)

Targeted Audience: The targeted participants will be those involved in acquisition, servicing, and management of digital resources, including libraries, museums, archives, RDM departments, digital humanity services, publishers, and system providers for DP. The anticipated number will be between 60-80, mostly from China.

Organizing Matters:

Invitation to participants: A special invitation will be sent to the above mentioned target institutions, as soon as the proposal is accepted.

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