data for:
the future

Management of large volume content, and creation of value in sports and entertainment areas

April 2017

NTT DaTa

Global IT Innovator

With a vision of using its information and communications technologies to create new systems or value and to contribute to building an affluent and harmonious society, NTT DATA promotes social innovation in social infrastructure and many other fields.

NTT DATA especially promotes business related to the preservation/utilization of valuable assets, and provides new value to society and mankind by offering know-how cultivated through large-scale digital archive projects in Japan.

Based on the know-how cultivated through building digital archive systems for Japanese public institutions, NTT DATA has been involved in several business projects. Recent projects include the long-term preservation of hand-written manuscripts totaling about forty million pages, or about eighty thousand codices, at the Vatican Library, and collection/preservation of documents related to the Great East Japan Earthquake of 2011 to promote the utilization of these documents by educational and other institutions.

Culture inheritance	Remembrance inheritance

Vatican Library: Digital archiving project
http://digi.vatlib.it/?ling=ja

Project for the long-term preservation of hand-written manuscripts totaling about 80 thousand codices, or 40 million pages

Koriyama city: Koriyama earthquake archives
http://shinsai.koriyama-archive.jp/

Project for collecting and preserving documents related to the Great East Japan Earthquake, and promoting the utilization of these documents by educational and other institutions.
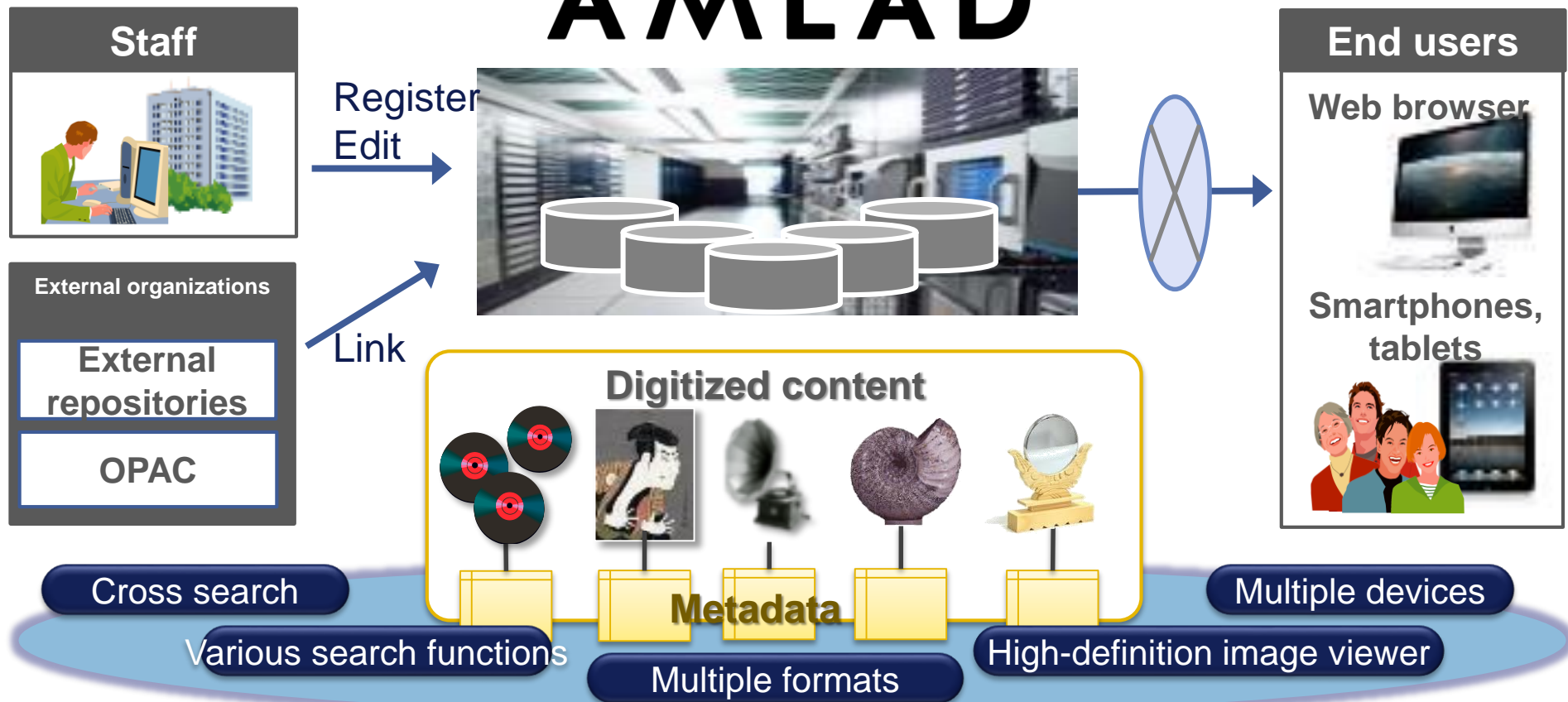
AMLAD® is a solution developed from the know-how NTT DATA has acquired through its past digital archive businesses.

AMLAD® is an IT solution that enables digitized content such as images, videos, and audio owned by private and public organizations to be easily viewed or searched on devices such as PCs, tablets, or smartphones.

http://www.amlad.jp/english/index.html (English version)
http://www.amlad.jp/index.html (Japanese version)

Staff

Register
Edit

External organizations

External repositories

OPAC

Link

Digitized content

Metadata

End users

Web browser

Smartphones, tablets

Cross search

Various search functions

Multiple formats

Multiple devices

High-definition image viewer

The current concept is to utilize DA content and expand business in sport, entertainment, and education areas around AMLAD with user-experience designs brought about by state-of-the-art technologies such as ultra-reality interaction.

Sports

ICT

Facility & event management
Public address (broadcasting system)
Ticket management
Building management
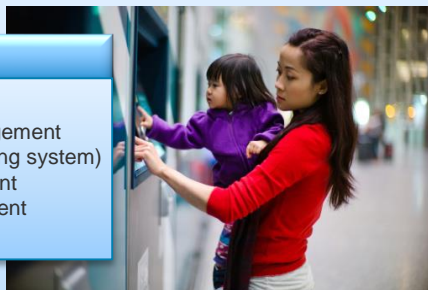
High-definition video distribution
Video compression
Wifi multicast
Billing

Content distribution

AMLAD （Digital Archive）

Digital archive system
Digital content
DA system

Entertainment

Entertainment

Digital signage
Exhibition AV, non-exhibition AV
Projection mapping
AV server & storage

Head mount display
4K/8K movies
3 D ultra high-definition video
Multiple sensory interaction

Ultra-reality interaction

e-Learning system
CBT system

Learning

Education

The present contest solicits technologies that are expected to be utilized for the management of large volume content in the **sports** area and **entertainment** area.
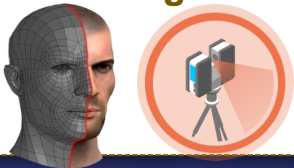
Sports

Entertainment

Projected technologies

Production

＊360° omnidirectional filming
＊3D scanning
＊VR content production
＊Modeling
＊Authoring

Management, processing, transfer, etc.

*VR video encoding
*Real-time encoding
*Large-volume data transfer
*Content management
＊Automatic data analysis (AI)
＊Metadata tagging
＊Video search
＊Copyright management

Compression, distribution

*Reversible data compression
*Content conversion
*Secure content generation
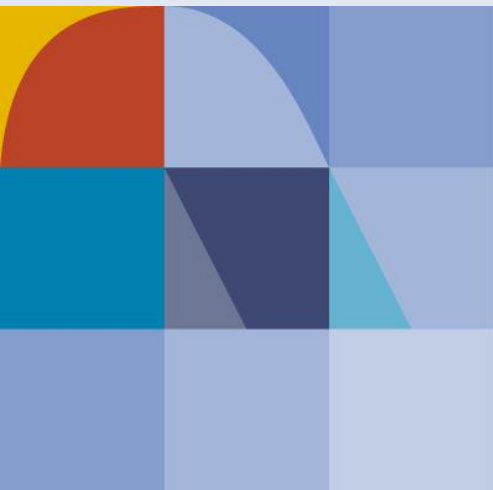*Cross-platform API
*Real-time distribution (live streaming)

Output device
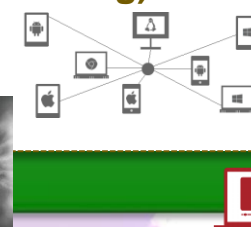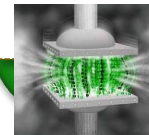
*VR/AR app
*Web VR
*4K/8K
*Ultra reality
*Digital signage
*SNS linkage
*Virtual space communications

Technologies other than the projected technologies listed above are also welcome.

NTT DATA seeks convincing input technologies, management technologies, distribution technologies, output technologies, etc. for handling large volume content.

with innovator！！