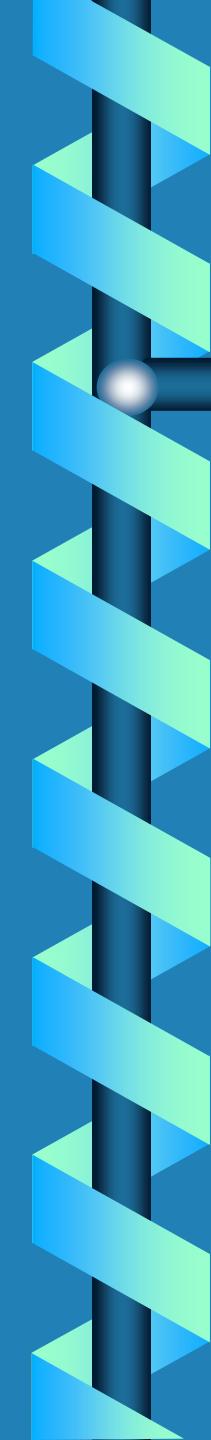




FUNCTIONS OF METADATA & METAINFOORMATION FOR UTILIZATION OF E-INFOORMATION RESOURCES IN ERA OF “BIG DATA”

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METADATA - METAINFO

- ❑ - METADATA IS THE PHYSICAL REPRESENTATION OF METAINFO AND IS A DESCRIPTION OF DATA**
- ❑ - METAINFO IS THE SEMANTIC CONTENT OF METADATA AND INFORMS ABOUT DATA/INFORMATION**

TYPES OF METADATA

- ❑ - DOCUMENT ORIENTED
- ❑ - OBJECT ORIENTED
- ❑ - MACRO
- ❑ - MICRO
- ❑ - LOCAL
- ❑ - GLOBAL
- ❑ - CLASSIFICATION
- ❑ - CONCEPTUAL
- ❑ - OPERATIONAL
- ❑ - ORGANIZATIONAL
- ❑ - SEMANTICAL
- ❑ - TECHNICAL
- ❑ - INFOLOGICAL
- ❑ - DATALOGICAL

METADATA HOLDINGS CLASSICALLY ORIGINATED IN LIBRARIES

- ❑ - CATALOGUE
- ❑ - DICTIONARY
- ❑ - DIRECTORY
- ❑ - GLOSSARY
- ❑ - THESAURUS
- ❑ - REGISTER
- ❑ - CLASSIFICATION
- ❑ - CODE-LIST
- ❑ - NOMENCLATURE
- ❑ - METADATA BASE
- METADATA WAREHOUSE
- METADATA ON WWW
- “BIG DATA”
- SOCIAL NETWORKS

METADATA OBJECTS

- ❑ - BOOKS
- ❑ - POPULATIONS
- ❑ - PUBLICATIONS
- ❑ - FILES
- ❑ - OUTPUT TABLES
- ❑ - TIME-SERIES
- ❑ - ALGORITHMS
- DATABASES
- PERIODICALS
- JOURNALS
- CLASSIFICATIONS
- NOMENCLATURES
- CODE-LISTS
- PHENOMENAS

METADATA FUNCTIONS

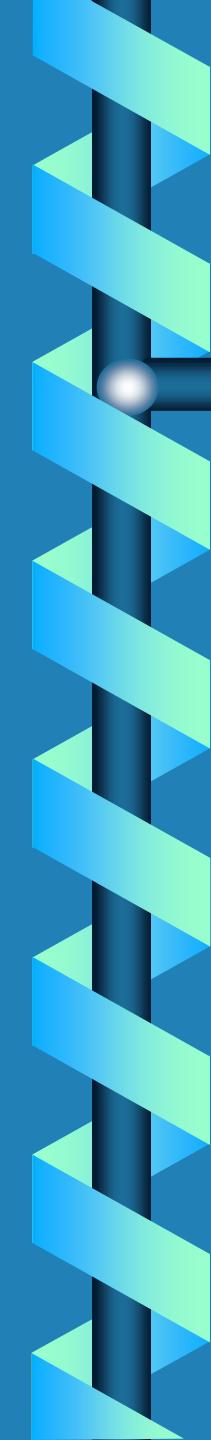
- ❑ - INFORMATION - PROCESSING
- ❑ - DOCUMENTATION - PRESENTATION
- ❑ - INTERPRETATION - UTILIZATION
- ❑ - NAVIGATION - INTEGRATION
- ❑ - SEARCHING - COMPARISON
- ❑ - ORIENTATION - RATIONALIZATION
- ❑ - RETRIEVAL - GLOBALIZATION

METADATA MODELS, TOOLS, METHODS, STRUCTURES, SYSTEMS

- ø - ISO/IEC 11179
- ø - UML
- ø - MDA
- ø - XML/XMI
- ø - DDI
- ø - CWM
- ø - ESPLORIS
- ø - INFOLOGIC
- SIDI/SDOSIS
- METIS
- GESMES
- NESSTAR
- CLAMOUR
- METANET
- MOF
- DATALOGIC

METADATA MODELS, TOOLS, ... [CONT.]

- ø - MOM
- ø - ISTAT
- ø - IQML
- ø - IDARESA
- ø - SDSS-GDDS (IMF)
- ø - CMR
- ø - GESMES
- ø - CORBA
- ø - CODAM
- MIMAMED
- MAMEOB
- CRISTAL
- FASTER
- NEUCHATEL GROUP
- DUBLIN CORE
- TRIPLE S
- SGML/XML
- ...



FUTURE OF THE WEB-BASED & “BIG DATA” METADATA

- ❑ - STANDARDIZATION**
- ❑ - UNIFICATION**
- ❑ - HARMONIZATION**
- ❑ - (RE-) ORGANIZATION**
- ❑ - LEGALIZATION (INTERNATIONAL - NATIONAL)**
- ❑ - GLOBALIZATION (OBLIGATORY WWW META**
- ❑ - HEADINGS, SETS, METABASES)**