Federal Information System on Grey Literature in Russia: a New Stage of Development in Digital and Network Environment

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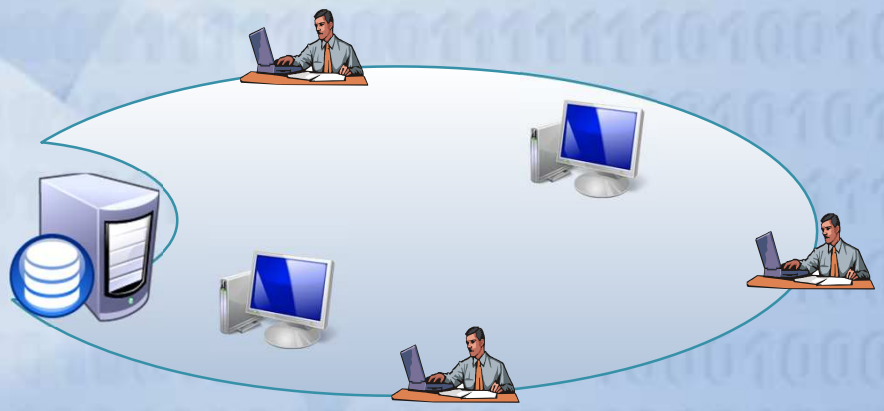
- **A S I N I T**
- **Self-funded Research Registration System**
- **Federal Register for R&D Results**

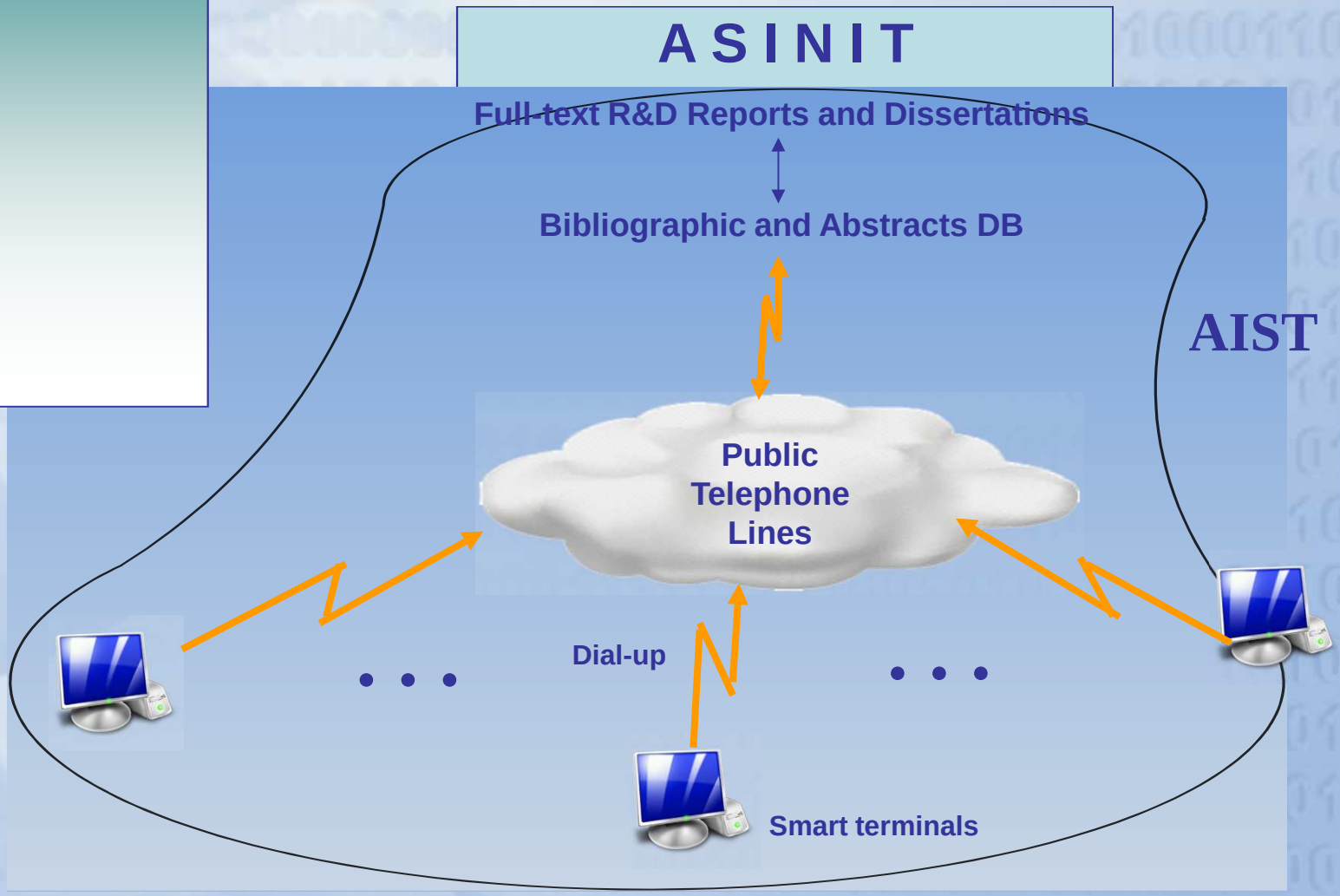
United Federal Database on Research and Development (UFDB R&D)

State Programme of the Russian Federation “Information society (2011 – 2020)”



THE PAST

National Library-Information Fund
State System for Scientific and Technical Information (GSNTI)



THE PRESENT

UFDB R&D Information Resources
ASINIT Databases (since 1982)

R&D Reports
Registration cards – 1,2 mln
Information cards – 1,3 mln

Dissertations
Information cards (candidate) – 560 000
Information cards (doctoral) - 80 000

Abstract Journals DB – 3,0 min documents
Information cards in English – 80 000
Algorithms and computer programs DB – 15 000 documents
Scientific organizations DB – 6 000 organizations

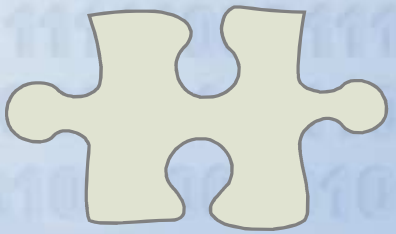
FULL- TEXT (since 1984)
R&D Reports– 800 000
Doctoral dissertations – 80 000
Candidate dissertations – 500 000

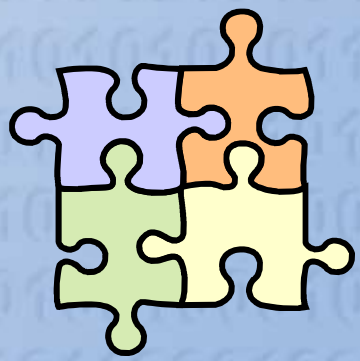
SELF-FUNDED RESEARCH SYSTEM
Database 2007 – 2011 : 1 500 documents
5 Annual Summary Reports

UNITED REGISTER FOR R&D RESULTS
Database (since 2006):
50 ministries; 15 000 state contracts; 6 000 intellectual property objects

SYSTEM'S DEFECTS TO BE ELIMINATED

- Redundant and duplicated information in the databases
- Incompleteness of R&D reports registration
- Insufficient total computer power for full-text processing
- Limited analytical means of textual information processing
- No online interaction with other state information systems.





THE FUTURE

The development of the United R&D projects registration system (UPRS R&D) for the projects carried out in the civil sphere with the state budget funding

SYSTEM'S DEVELOPMENT DIRECTIONS

- Unified forms of registration and information cards
- Online mode of filling-in and entering the new forms
- Formation of digital full-text databases
- Electronic signature technology introduction
- Alterations in the legal acts currently in force

MODERNIZED (1) AND NEWLY-DESIGNED (2) SUBSYSTEMS

(1): - the subsystem for reports and dissertations collecting, processing and registration;
- the digital documents repository and archiving subsystem;
- the search and retrieval subsystem;
- the abstract journals publishing subsystem.

(2): - the system's common Internet portal subsystem;
- the R&D projects in progress monitoring and content analysis subsystem;
- the subsystem for interaction with international scientific and technical information systems;
- the subsystem for integration with other Russian state information systems on science and technology.

Concluding Remarks

The System being designed provides:

- complete R&D documents collection
- fast access to full-text documents and relevant information
- monitoring the situation in the sphere of R&D
- support for the federal level administrative decisions in the sphere of R&D
- support for prognostication in this sphere
- improvement in the distribution of financial means for scientific R&D
- reduction of the unjustified duplication and overlapping of R&D projects and dissertations.