

Actualities and Perspectives in the Slovak National Library

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Contents

- 1. Building the Information Society in the Slovak Republic**
- 2. Innovation projects of the Slovak National Library**
- 3. Technological centre IKDC SNK Martin – Vrútky**

1) Building the Information Society in the Slovak Republic

- *Information Society* Operational Programme (OPIS)
- August 2007 approved by the Slovak Government and by European Commission
- Significant for implementation of ICT and making use of content

OPIS Priorities

1. Implementation of ICT in public administration and electronic services (695 166 783 €) *eGovernment*
 2. **Development of heritage institutions and their infrastructure (163 541 958 €)** *eCulture, eContent*
 3. Broadband Internet (260 228 383 €)
 - Technical assistance (36 919 782 €)
- Total budget OPIS **1.17 billion Euro**

Memory institutions

- Participation SNL on designing OPIS
- Total budget **163 541 958 €** (2008-2013)
 1. Improvement of the system of acquisition, processing and protection of content from the resources of repository institutions
 2. **Digitisation of the content of repository institutions, archiving and provision of access to digital data**

2 Innovation projects of the Slovak National Library

Most important:

1. *Common Library and Information System Public Internet in Slovak Libraries*
2. *Information for Innovation*
3. *Mass de-acidification of paper (R&D)*
4. *Photograph conservation Getty CI L.A*
5. *MASK software for small school and public libraries*
6. *Slovak Digital Library*
7. *University education in Library and information science*

1. Common Library and Information System (KIS3G)

- Project of the 3rd Generation Library and Information system in progress
- Common software VTLS Virtua shared at national level In progress
- 50 libraries (most important lib)
- Availability of technology for libraries
- Improvement library services for citizens
- Slovak Library portal at <http://www.ecatalogues.sk/>.
- The total project costs are app. 1.5 million €.
- Collections accessed via institutions and document types
- The VTLS Virtua system contains over 3.5 mil. bib. records
- Acces via/to the The European Library (all partners)
- Descriptive metadata for digital library !!!

2. Public Internet in Slovak Libraries (in progress)

- SUN thin clients
- 110 public professionally staffed libraries
- 760 new public Internet access points
- App. 1 million €.
- July 2007 - installation of the thin clients and servers in the libraries
- The SNL provides central management and administration network for distribution of digital content !!!

3. Information for Innovation

- 11 scientific and academic libraries
- Enhance the active role played by scientific and academic libraries in knowledge society,
- Accomplish and make operational an open national information infrastructure
- To orient their information activity to support of industries and services as well as to support small and medium-sized enterprises
- Approved for funding from EU structural funds also due to support by the Ministry of Economy of the Slovak Republic.
- App. 8 million €. for construction, hardware, software, external inf. resources

Next projects

1. *Photograph conservation Getty CI L.A*
2. *MASK software for small school and public libraries (270 public libraries)*
3. *University education in Library and Information Science*

3) Technological centre IKDC SNK Martin – Vrútky

Integrated Conservation and Digitisation Centre

- ICC: Integrated Conservation Centre
- DC: Digitisation Centre (DC)
- ICC+DC= ICDC - Integrated Conservation and Digitisation Centre

ICC: Integrated Conservation Centre

- 2003-2008 basic research
- Preserving, stabilising and conserving traditional information carriers in the Slovak Republic.
- The KNIHA SK project
- Why?

<..\Documents\Jasná 2009\papier.swf>

Research partners

- The KNIHA SK Consortium
(200 researchers and scientists)
 - Slovak University of Technology
 - Slovak National Library
 - Slovak National Archives
 - Slovak Academy of Sciences
 - University of Technology in Zvolen
 - Bel/Novamann International testing centre
 - Germany, USA, Switzerland, Czech Republic

Outcomes of KNIHA SK

- **The *Best Available Technology (BAT)* was chosen – Papersave /new name Papeserve-Unisaver SK?)**
- Slovak contribution - KnihaSK increasing the capacity of the BAT and own original results
- **The world's best available technology enhanced to 300%. Unisaver SK**
- The results achieved by a functional model have been verified successfully in Germany.
- The German partner confirmed the Slovak contribution
- The technology – suitable for books, newspapers, magazines, archival materials (closed boxes as well)

Outcomes of KNIHA SK

- **Key output of implementation**
- Design of an optimum technological solution for preserving paper books
- Establishing the Integrated Conservation Centre of the Slovak National Library.

What is the ICC?

- ICC is a part of the national network of technological conservation centres
- ICC is an integrated system comprising the subsystems:
 1. Conservation
 2. Cleaning - sterilisation – lamination – paper splitting
 3. Digitisation
 4. Research, development, education

The main implementation deliverables of KNIHA SK

- A functional model of Papersave UniLabSK serving directly for manufacturing the industrial technological machinery, the Papersave UniSK equipment;
- Significantly more efficient deacidification and conservation of documents using the best available technology

Results 1

- **13** functional models produced
- **5** manufacturers are interested in producing the new equipment
- **15** new devices
- **1** national Technological Centre KnihaSK,
- **5** laboratories
- **60** shared, acquired, modernised and newtechnological equipments and devices;
- A design for an industrial integrated conservation centre in Vrútky;

Results 2

- 5 new software solutions;
- 1 technical standard STN 50 2190 Evaluation of hydrolytic paper degradation
- 9 patents and patent applications – industrial protection of novel solutions, (patents application continues)
- 7 new substances,
- 8 new methods of testing and analysis;
- System for testing and evaluating deacidification technologies;
- New study programme established „Preservation of Heritage Materials and Objects“

Results 3

- 2 dissertations,
- 114 theses and other scientific papers by students,
- Shared knowledge space including world's newest information and new own original knowledge,
- Intranet communication system and collaborative space
- 300 publications,

ICC Implementation plan

| Alternatíva / Rok | 1.rok | 2.rok | 3.rok | 4.rok | 5.rok | 6.rok | 2015-2030 |
|--|---|--------|---------|---------|---------|---------|-------------|
| | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 až ... |
| Kapacita IKC (10 ³ KD/rok) | 10-20 | 50-100 | 100-200 | 100-200 | 100-200 | 100-200 | 100-200 |
| IKC1: slovensko-nemecká | <p>Projektovanie, výstavba a stavebný dozor</p> <p>Memorandum of understanding/Zmluvy o budúcej zmluve/Zmluvy</p> <p>Protokol o prevzatí a realizácii výsledkov št. úlohy</p> <p>Zmluvy o dodanie technológie</p> <p>Technológia vzduch-voda (SoBu/Libertec)</p> <p>Technológia na spevňovanie a deacidifikáciu archívnych dokumentov</p> <p>Technológia na štiepenie–deacidifikácia–spevňovanie SDeaS (ZFB;D)</p> <p>Technológia Unisaver M.I.D.O.S.</p> <p>Technológia Papersave®-Unisaver®</p> | | | | | | |

DC – the Digitisation Centre

1. Europeana and CENL, PASIG
<http://www.europeana.eu/portal/>
2. Experiences of the others (French National Library, Royal Library of Norway, Stanford University, Oxford, New Zealand, Australia ...)

Scanners by 4DigitalBooks

- Automatic book scanners

 - Digitizing Line**

 - Exklusive technology
 - Based on unattended
 - Page turning (2-6 units)

- Manual book scanners

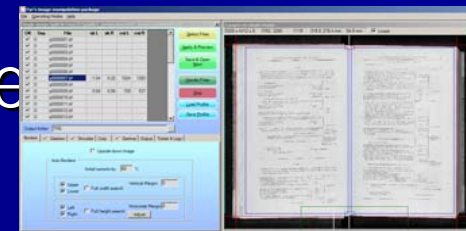
 - CopiBook & Suprascan**

 - The i2S company is an associate
 - And a business partner

- Image enhancement software

 - Page Improver**

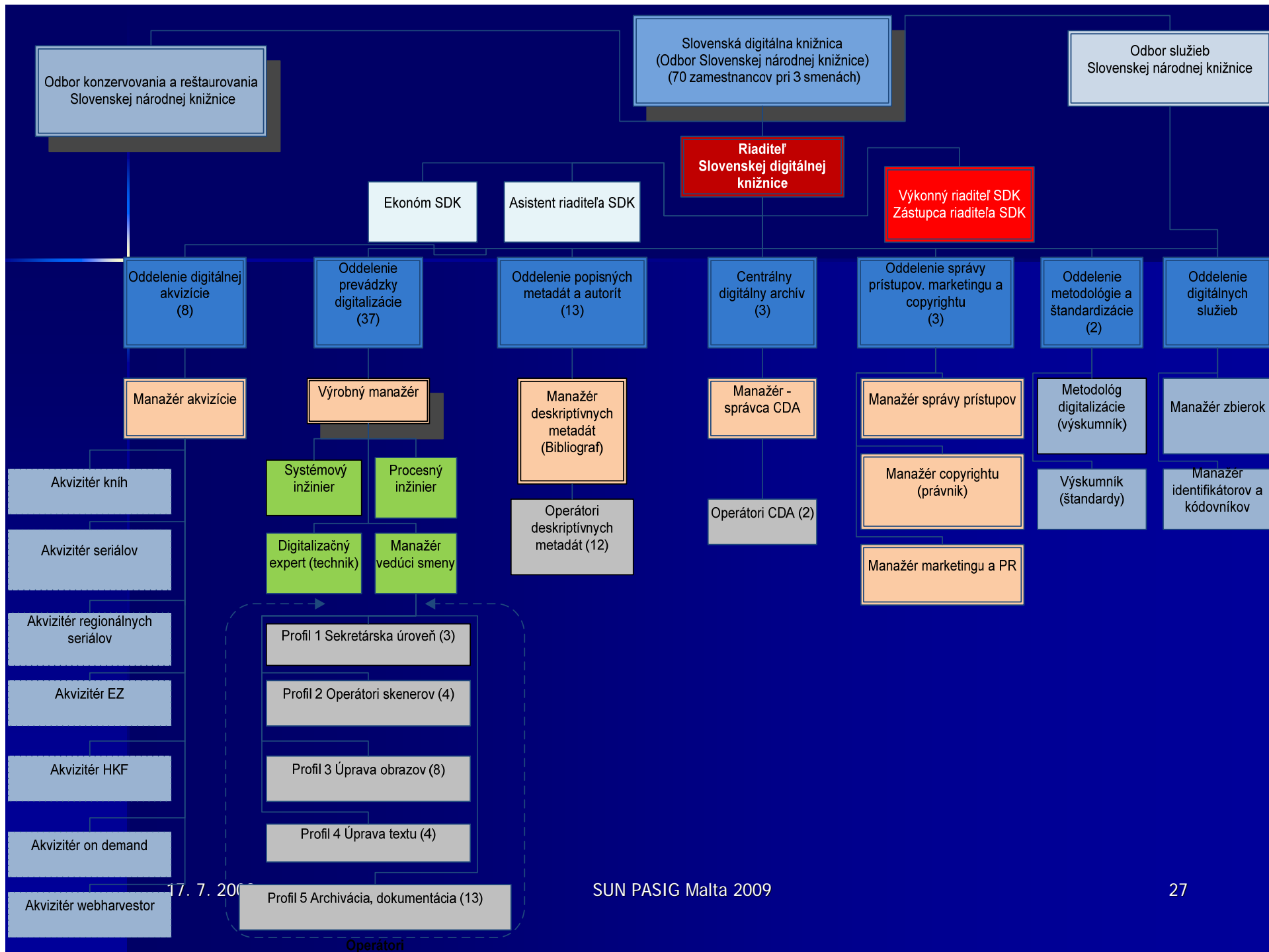
 - Exklusive technology for automatic
 - cropping and page manipulation





The Digital Library system (components)

- Digital acquisitions (preparation)
- Physical digitisation (technology)
- Digital cataloguing (descriptive metadata)
- Digital archives (long-term archiving in CDA, institutional repository)
- Digital services (making access to digital content)
- Access control, marketing and copyright (legal, economic, technical issues concerning access to digital content)



17. 7. 200

Technological classes

Classes:

1. analógové
2. digitálne

..\Documents\Jasná 2009\Technologické
triedy.doc

Digitisation worksite of the Slovak National Library

- Cieľový stav – priemyselná digitalizácia
- Prostriedky masovej digitalizácie škálovanie.doc
- 2 Digital robot.m4v (2 ks)
- 3 Paskova kniznica.m4v (1.5 PB)
- 4 Mobilne Datove centrum.m4v

Financial resources

- The Strategy of development of heritage and memory institution and modernisation of their national infrastructure in the cultural sector
- Indicative financial allocations
 - National Projects
 - [OPIS_ alokácie národné projekty.doc](#)
 - On-demand projects
 - [OPIS_ alokácie Dopytové projekty.doc](#)

The procedure

- Feasibility study /september 2009/
- Calls for projects /2009/
- Projects /2009-2013/, 2009 DL
- Contracts /2009-2013/ 2009?
- Project implementation / 2009-2015
- Long-term sustainability 2015-20??

The conclusion

The Slovak National Library in Martin

1. We know what we want
2. We have standards, technologies, know-how
3. We keep on learning how to do things
4. We have partners with whom we can make it
5. We have the support of the government and professional communities
6. We have the financial resources to achieve our goals

**Thank you for your kind
attention!**

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