Implementing the OECD Best Practice Guidelines at VKM

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VKM on the road to BRC status

Activities	Readiness
Preservation and maintenance of microorganisms	+
Documentation management	+
Quality checks on the biological material	+
Responsibilities of management	+
Long-term sustainability	

Russian Federation

- Manages considerable territory and biodiversity in diverse climate conditions
- Legal and economic systems undergoing significant evolutionary changes
- Interested in harmonization of several legal aspects both on global and regional levels (ongoing negotiations with WTO, OECD etc.)
- Over 100 microbial culture collections operate within host institutions (Institutes of academies, universities etc.)

VKM

- Operates as a Department of the Institute of Biochemistry and Physiology of Microorganisms, Russian Academy of Sciences. Main location in Pushchino, Moscow Region, 142290. (Mycology Unit – in Moscow)
- Head of Department – Dr. Lyudmila I. Evtushenko. Permanent staff 42 people in 7 sectors
- Catalogue in electronic format available at www.vkm.ru
- Main interests are in taxonomy and ecology of microorganisms (actinomycetes, bacteria, yeast and mycelial fungi)
- Customers include research and educational establishments, some governmental as well as private biotech and agricultural laboratories
- VKM is not licensed for keeping microorganisms of high risk groups
- Functions as IDA

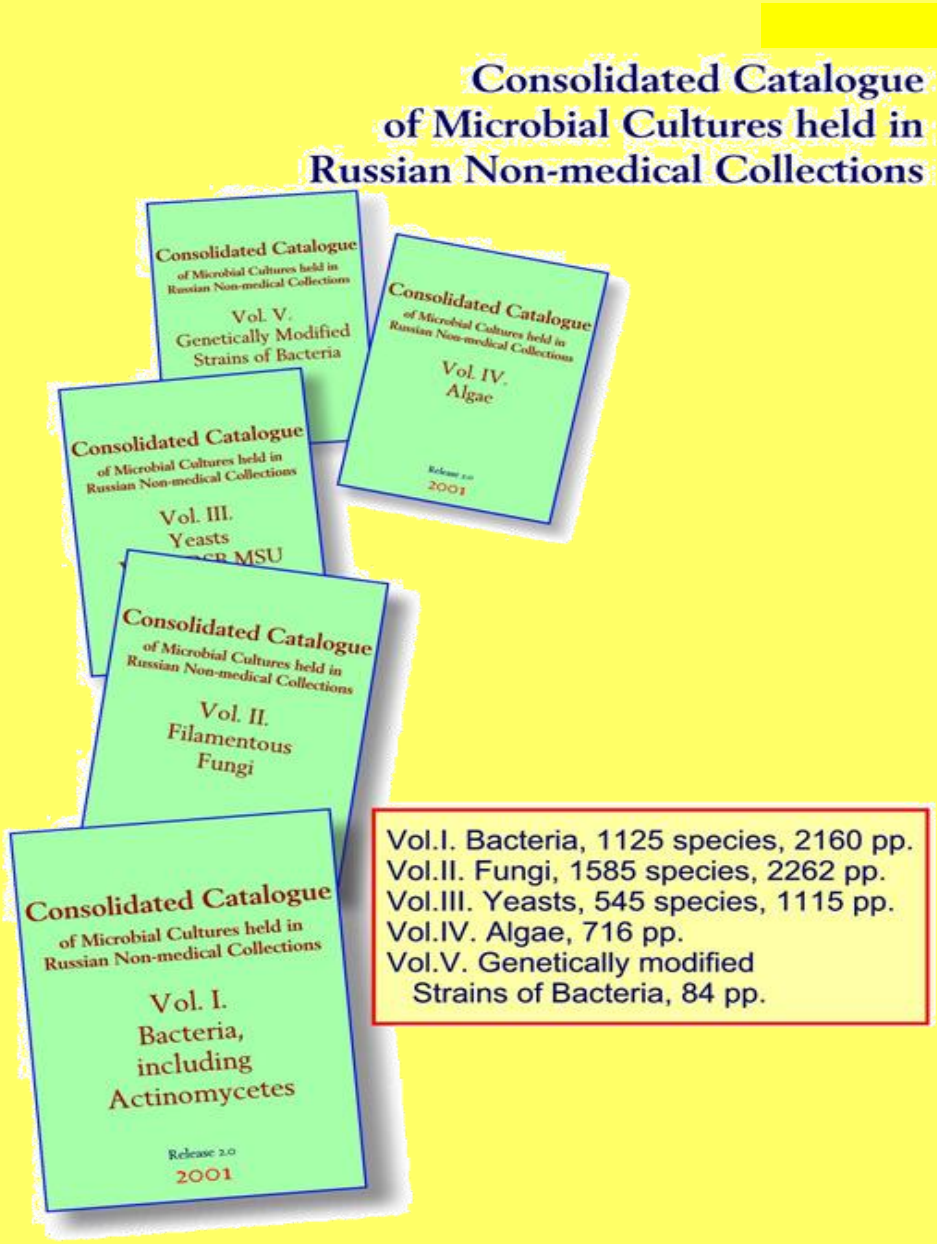
Main Russian VKM customers aggregated in categories

- Institutes of Russian Academy of Science
- Agencies of Ministry of Justice
- Agencies of Ministry of Culture
- Different establishments of Ministry of Public Health
- Governmental Research Institutes
- Universities
- Private companies

MTA
(Excerpts from current VKM distribution form)

- Recipient will not sell, distribute, multiply for proliferation, or transfer Material in other ways to third parties, except for the cases when Recipient performs Legal Exchange. In the case of transfer of Material at Legal Exchange to a third party, Recipient will keep responsibility for further non-proliferation of Material.
- Recipient must indicate Collection as a source of Material in any publications related to the Material.
- Recipient has right to draw up patents for inventions made by Recipient at using Material or its Modifications. Recipient will be the owner of these patents.
- Recipient is the owner of Modifications and intellectual property contained in Modifications.

ORGANISATIONS PARTICIPATED IN DEVELOPMENT OF "CONSOLIDATED CATALOGUE" 1999-2002



All-Russian Collection of Microorganisms - VKM
Culture Collection of Basidiomycetes of the Komarov Botanical Institute
Collection of Algal Strains at the Biological Institute, St. Petersburg University
Culture Collection of the Institute of Plant Protection
Culture Collection of the VNIIPA
Culture Collection of the Institute of Agricultural Microbiology
Culture Collection of the Institute of Biology, Ufa Scientific Center
Culture Collection of the Institute of Marine Biology
Culture Collection of Luminous Bacteria of the Institute of Biophysics
Culture Collection of the Institute of Cell Biophysics
Culture Collection of the Institute of Molecular Genetics
Culture Collection of the K.A. Timiryazev Institute of Plant Physiology
Collection of Monoxenic Cultures of Arbuscular Mycorrhizal Fungi, K.A. Timiryazev Institute of Plant Physiology
Regional Specialized Alkanotrophic Microorganism Collection of the Institute of Ecology and Genetics of Microorganisms
Yeast Collection of the Department of Soil Sciences, Moscow State University
Collection of Microorganisms of the Department of Microbiology, Moscow State University
Culture Collection of the "Microb" Institute
Collection of Marine Microorganisms

ANNUAL FINANCIAL RESULTS OF VKM FOR THE YEARS 2007-2010 (thousand US $)

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REVENUE		EXPENDITURE			
Source	**Quantity**	**Salary**	**Equipment**	**Supplies**	**Other**
Russian Academy of Science	**250**	**250**			
Collection services	**50**			**35**	**15**
Scientific grants (RFFR, Programs of RAS Presidium)	**80**		**50**	**18**	**12**
Total revenue	**380**	**250**	**50**	**53**	**27**

In the 2006-2007 VKM received Special Funding (300 000 US $) to reconstruct premises of Mycology unit (Moscow) according to GLP Standard

Comparative relation of some microorganisms to Risk group 2

European safety rules (DIRECTIVE 2000/54/EC) 2000	**Belgian safety rules** ("List of pathogenic bacteria" Scientific Institute of Public Health) 2008	**Russian safety rules** (СП 1.3.2322-08) 2008
Nocardia asteroides	***Nocardia abscessus, Nocardia africana***	***Nocardia asteroids***
Nocardia brasiliensis	***Nocardia araoensis, Nocardia arthritidis***	***Nocardia brasiliensis***
Nocardia farcinica	***Nocardia asiatica, Nocardia asteroides***	
Nocardia nova	***Nocardia brasiliensis, Nocardia concava***	
	Nocardia cyriacigeorgica	
	Nocardia elegans, Nocardia exalbida	
	Nocardia farcinica, Nocardia higoensis	
	Nocardia ignorata, Nocardia mexicana	
	Nocardia niigatensis, Nocardia ninae	
	Nocardia nova, Nocardia otitidiscaviarum	
	Nocardia paucivorans, Nocardia pneumoniae	
	Nocardia pseudobrasiliensis	
	Nocardia salmonicida, Nocardia seriolae	
	Nocardia terpenica, Nocardia transvalensis	

Comparative relation of some microorganisms to Risk group 2

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Penicillium marneffei	***Penicillium marneffei***	***Penicillium spp.***
Aspergillus fumigatus	***Aspergillus flavus*** ***Aspergillus fumigatus*** ***Aspergillus parasiticus*** ***Aspergillus terreus*** ***Aspergillus thermomutatus*** ***Aspergillus ustus***	***Aspergillus spp.***

THANK YOU FOR ATTENTION