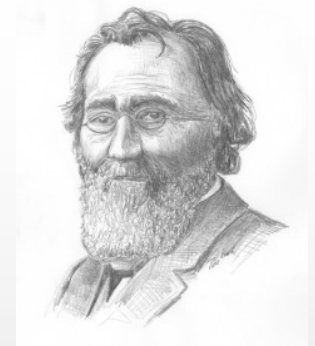




Koch-MetSChnikoW-Forum
МЕЧНИКОВ-КОХ-ФОРУМ



X. Humanitärer Kongress, Patient or Health System First,
October 24 and 25, 2008

**TB as a consequence of the failure of health
systems: case studies
(Eastern Europe, Russian Federation)**

Timo Ulrichs

Vice-president, Head of tuberculosis section,
Koch-Metchnikov-Forum, Berlin



WHO European Region (EUR)

53 countries

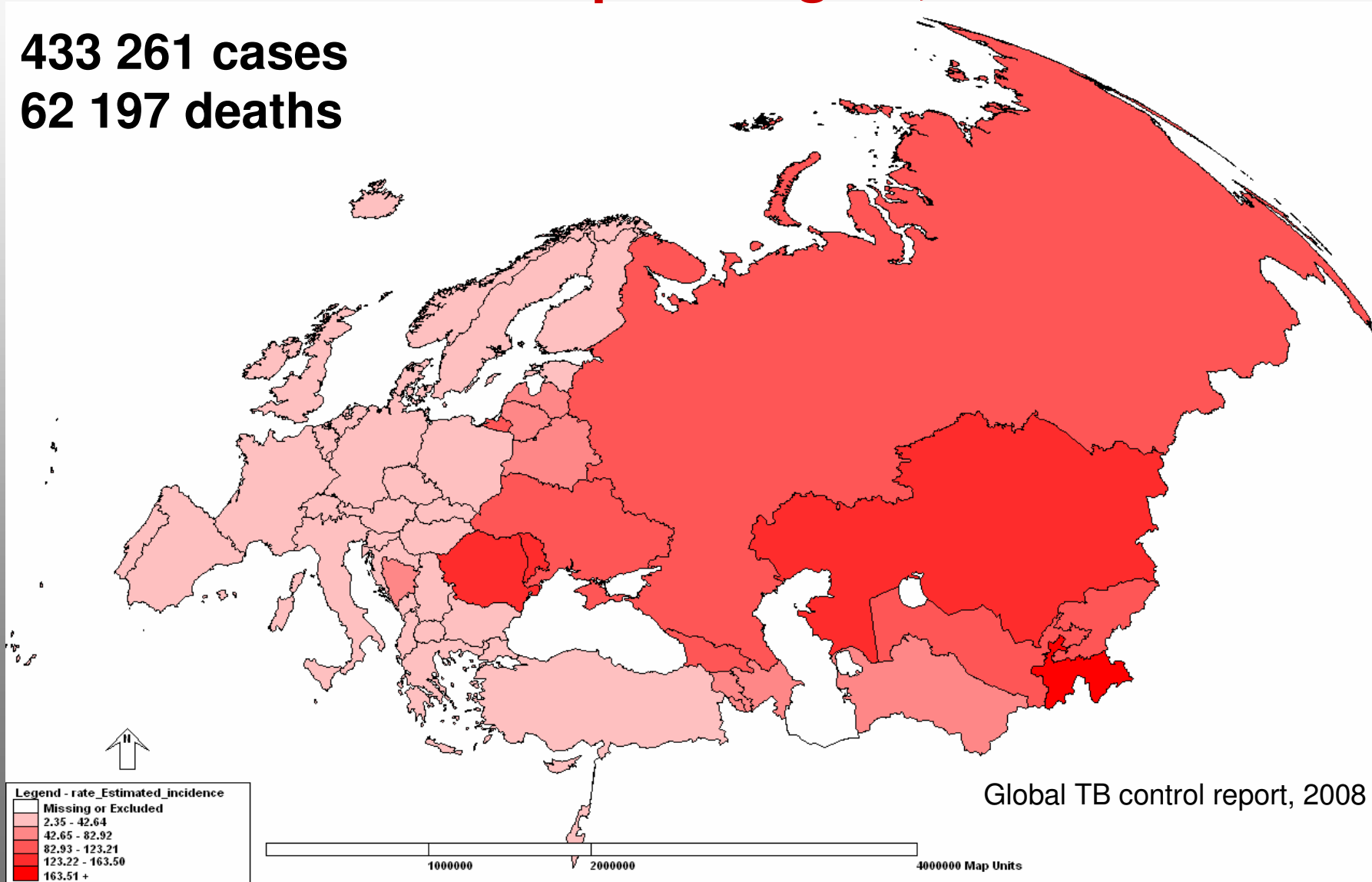
18 high priority countries for TB

27 EU countries

- | | |
|---------------|------------------|
| 1. Armenia | 10. Lithuania |
| 2. Azerbaijan | 11. Moldova |
| 3. Belarus | 12. Romania |
| 4. Bulgaria | 13. Russian Fed. |
| 5. Estonia | 14. Tajikistan |
| 6. Georgia | 15. Turkey |
| 7. Kazakhstan | 16. Turkmenistan |
| 8. Kyrgyzstan | 17. Ukraine |
| 9. Latvia | 18. Uzbekistan |

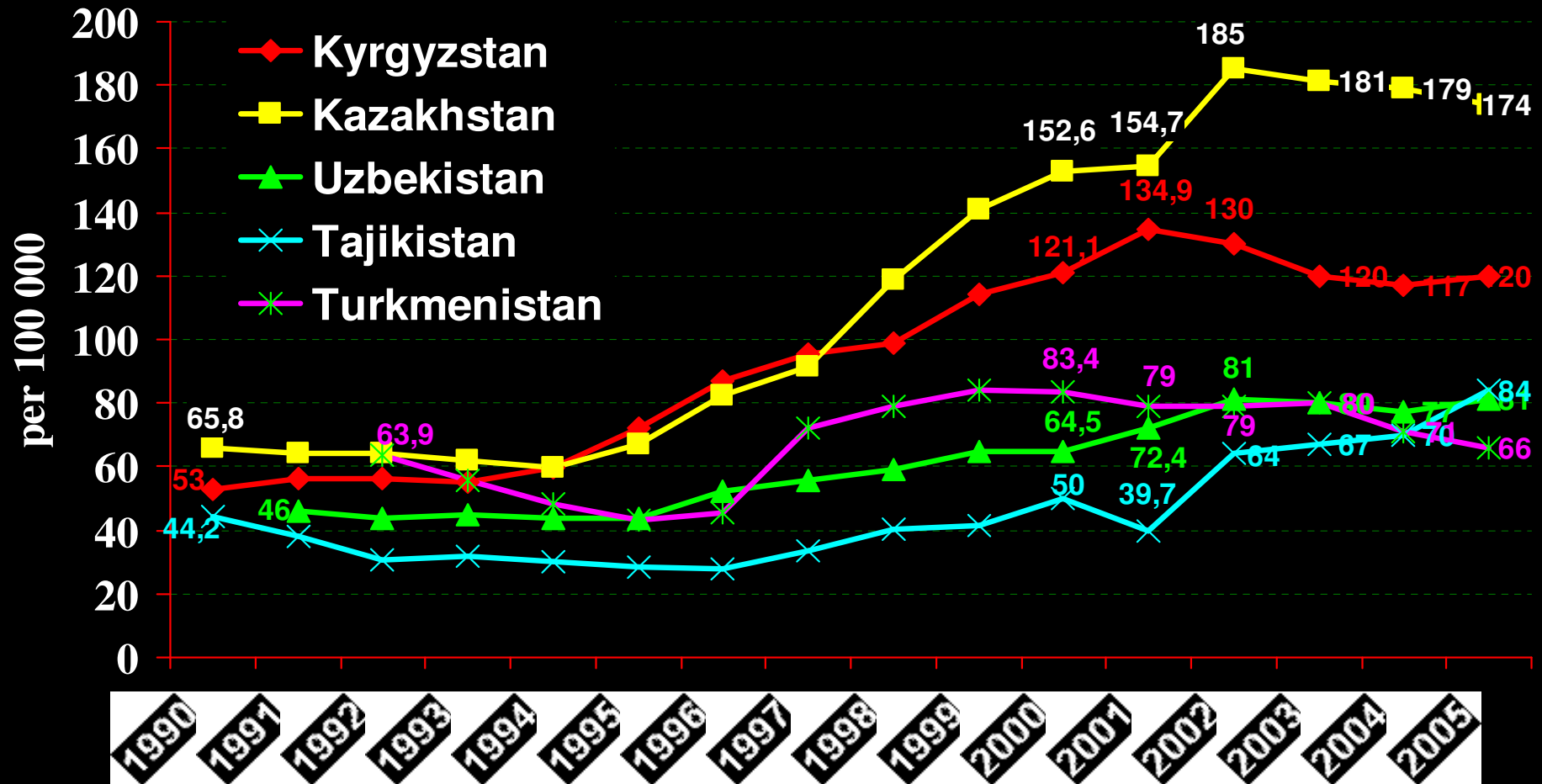
Estimated TB incidence, (per 100 000 pop) WHO European region, 2006

433 261 cases
62 197 deaths



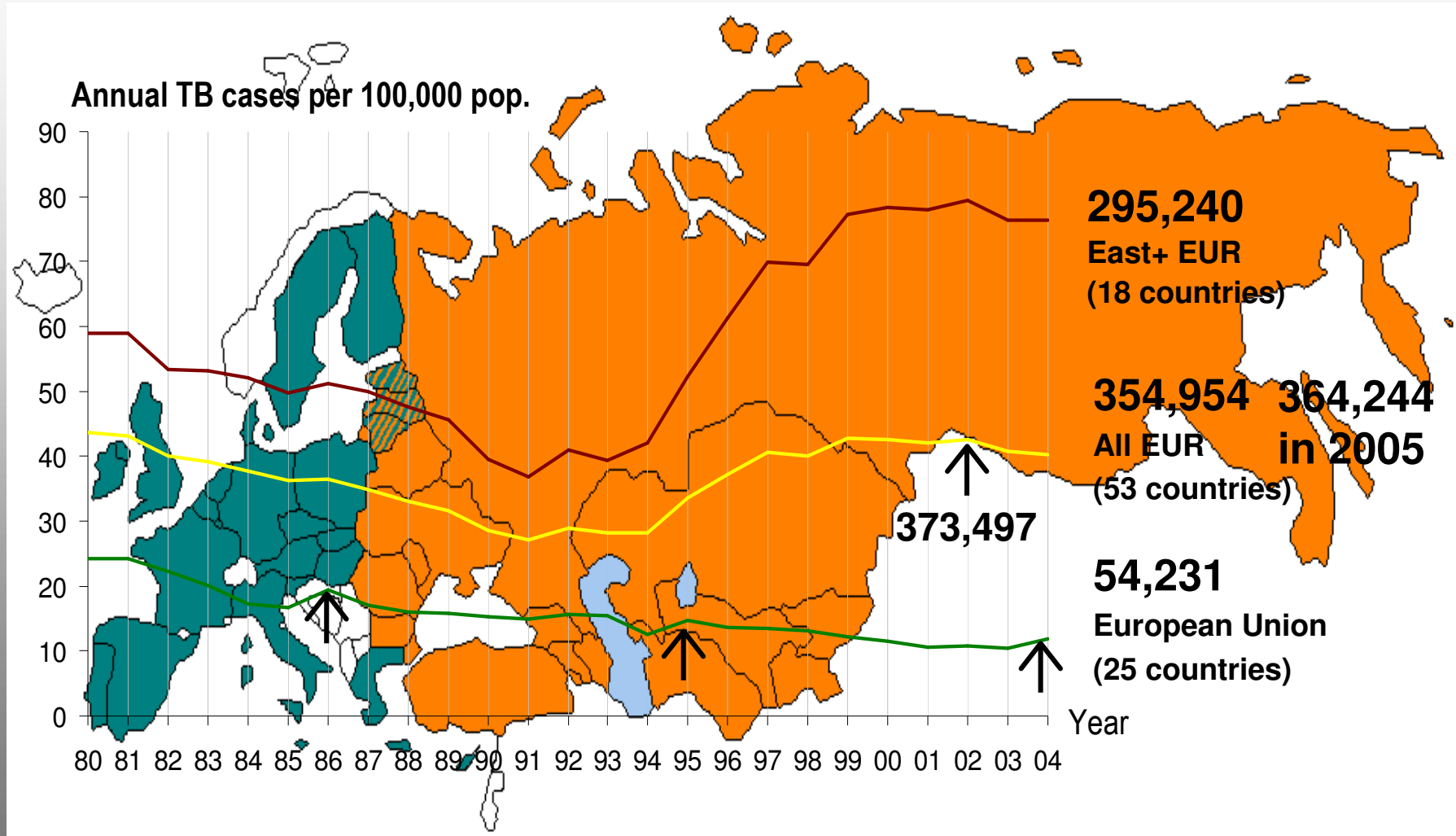


TB notification rates in 5 central Asian republics, 1990-2005





TB case notification rate in EUR, 1980-04





The Regional Director sent a letter to all Member States in 2005 stating:

- ✓ **Tuberculosis is a regional emergency**
- ✓ More than 370 000 new TB cases reported in 2002 – the highest number in the last two decades
- ✓ Very high rate of MDR-TB in the former Soviet Union
- ✓ Calls on Member States faced with the high burden of TB to increase their national expenditure
- ✓ Calls on the wealthier countries of the Region and the EU to pay more attention to the TB crisis in the Region and to increase their financial contribution to TB control



GLOBAL PLAN TO STOP TB 2006-15

Millennium Development Goals (MDGs) and Stop TB Partnership's Targets in EUR

Estimated budget for EUR: 8.9 billion

Targets	Figures in 2005
by 2005: at least	
- to detect 70% of infectious TB cases	35% (all cases 47%)
- to treat successfully 85% of them	74% in 2004
by 2015: compare to 1990 to reduce by 50%	
- TB prevalence: 27.5 per 100K	60
- TB mortality: 3 per 100K	7
by 2050: to eliminate TB as public health problem:	
- TB incidence: 1 TB case per 1 mln. population	50



Plan to Stop TB in the high-priority countries of the WHO European Region, 2007-2015”



- The Plan describes the main challenges, strategies and activities to control TB in EUR and focuses in the 18 high-priority countries grouped under the WHO epidemiological region of Eastern Europe (EEUR)
- The plan is consistent with the directions set up in the Stop TB Partnership's ***Global Plan to Stop TB 2006-2015***
- The plan focuses on detailed activities in the next four years (2007-2010) and more general activities for 2011–2015



“All against Tuberculosis” WHO European Ministerial Forum, Berlin, Germany, 22 October 2007



Objectives of the Forum were:

1. to strengthen political commitment to implementing the WHO Stop TB Strategy throughout the Region and include high-quality TB control in the strengthening of health systems;
2. to strengthen commitment from all MS to ensuring full and appropriate financing of TB control, in line with World Health Assembly resolution WHA 58.14 on sustainable financing for TB prevention and control;
3. to adopt a European regional declaration on TB;
4. to endorse the Stop TB Partnership for Europe.



“All against Tuberculosis” WHO European Ministerial Forum, Berlin, Germany, 22 October 2007

Main Outcomes (1)

- Over 300 participants: 49 of the 53 Member States of Region (20 Ministers of Health and other Ministers), along with representatives of United Nations bodies, intergovernmental agencies and nongovernmental organizations (NGOs)
- In addition, the Open Society Institute organized a civil-society meeting on 21 October



Endorsement of the Berlin Declaration





“All against Tuberculosis” WHO European Ministerial Forum, Berlin, Germany, 22 October 2007

Main Outcomes (2)

Berlin Declaration

1. TB – health security threat in the WHO European Region (EUR)
2. To strengthen political and financial commitment to reach MDG
3. To establish adequate fora and mechanisms... to assess progress at regional level every 2 years starting from 2009





“All against Tuberculosis” WHO European Ministerial Forum, Berlin, Germany, 22 October 2007



How can these goals be achieved?

- Collaboration between governmental and non-governmental institutions;
- Combine both research and capacity building projects;
- Develop plans for exchange of scientists and physicians
- Ensure meetings, symposia and workshops on TB control and research on a regular basis



“All against Tuberculosis” WHO European Ministerial Forum, Berlin, Germany, 22 October 2007



What fields of activities can be covered by NGO activities?

- Research projects in both basic and applied science (funded by third parties and ppp);
- Capacity building based on scientific results;
- Awareness building in political decision makers (by symposia, workshops, discussion rounds);
- Providing a platform for politicians, researchers, physicians, activists for TB control;
- Building a network;
- Building bilateral long-term partnerships.



German-Russian Collaboration in Fighting Tuberculosis



November 2001: Letters of Intent between MPI for Infection Biology and Central TB Research Institute in Moscow, ongoing until today;

June 2003: First Russian-German Symposium on the Immunology of TB in St. Petersburg;

July 2003: Collaboration between Institute for Phthisiopulmonology in St. Petersburg and Berlin, ongoing until today;

2004/2005: Establishing collaborative projects with institutions in Tomsk and Novosibirsk on the immunology, microbiology and epidemiology of TB



German-Russian Collaboration in Fighting Tuberculosis



Sept. 2004: German-Russian Symposium on Tuberculosis in Berlin as an initiative of the Petersburg Dialogue.

Sept. 2004: The results of this initiative presented at the 4th Petersburg Dialogue in Hamburg.

Fighting infections becomes part of the official protocol. Gorbatschow, head of the Russian Steering Committee of the Petersburg Dialogue, receives memorandum from Prof. Hahn





German-Russian Collaboration in Fighting Tuberculosis



April 2005, Hannover: Putin and Schröder agree on a strategic partnership between Germany and the Russian Federation; fighting infections is given highest priority.

December 1st, 2005: 5th Petersburg Dialogue in St. Petersburg: working group health care discusses the establishment of a German-Russian forum of infection-experts, named

Koch-Metchnikov-Forum

after the leading infectiologists.





German-Russian Collaboration in Fighting Tuberculosis

Oct. 10, 2006, Koch-Metchnikov-Forum is officially founded during the 6th Petersburg Dialogue in Dresden under the auspices of President Putin and Chancellor Merkel.





Tuberculosis projects of the Koch-Metchnikov-Forum



November 2006: TB-Seminar as kick-off meeting for collaborative research projects in TB control in Tashkent and Karakalpakstan in Uzbekistan

December 2007: Scope East Conference: KMF extends its activities to Ukraine.

Feb. 2008: Kick-off Meeting in Chisinau, Moldova to start partnership between German and Moldovan TB institutions

Sept. 2008: Program supported by the German Ministry for Education and Research for TB control and research projects in the Southern Caucasus.



Koch-Metschnikov-Forum



Bilateral Russian-German forum of specialists:

Symposia

Exchange program for physicians and researchers, funding by the Koch-Metschnikov-Fund

Scientific projects in Russian-German collaborations

Program for students

Continuing Medical Education (CME)



Koch-Metschnikov-Forum: Projects in epidemiology of TB (1)

Characterization of the prevalence of *M. tuberculosis* Beijing in the greater Moscow region; building a mycobacteria data bank:

Collaborative project with the Central TB Research Institute (CTRI) in Moscow and Becton Dickinson Diagnostics

Started in 2004, first publication of retrospective analysis of data in preparation

Prospective study combining clinical patient data and microbiological data on diagnosis and DST, using MGIT

Aim: long-term implementation of MGIT fluid culture testing





Koch-Metschnikov-Forum: Projects in epidemiology of TB (2)

Characterization of TB epidemiology in Tomsk oblast (DOTS adopted) and the Republic of Tuva (TB prevalence of 350/100,000):

Collaborative project with the Siberian State Medical University in Tomsk (SSMU) and the Ministry of Health in Tuva

Starts in 2006, involves clinical data of prospective study and microbiological characterization of clinical isolates

Aims: comparison of a DOTS region with a high risk region;
long-term improvement of TB diagnostics in both regions;
Recommendations for diagnostic standardization, surveillance systems and prevention measures





Koch-Metschnikov-Forum: Projects in diagnosis of TB



Evaluation of the standards in three different TB diagnostic laboratories in the Russian Federation:

Collaborative project with the GTZ (Society for technical collaboration)

Starts in 2007, involves evaluation of GTZ-equipped labs in Novosibirsk, Omsk and Altai

Aims: characterization of quality standards in all three labs;
Definition of deficits and needs; organization of long-term technical collaboration;
Long-term improvement of TB diagnostics





Koch-Metschnikov-Forum: Projects in epidemiology of TB (3)

Characterization of increasing numbers of BCGosis in children in Western Siberia:

Collaborative project with the Federal Tuberculosis Institute, Novosibirsk)

Starts in 2007, involves questionnaire, clinical information, blood samples of affected children and their parents/family members

Aims: characterization of the underlying causes of BCGosis in the region (innate immune defect, HIV-infection, TB infection etc.); deduction of recommendations



Koch-Metschnikov-Forum

KOCH-METSCHNIKOW-FORUM
 Петербургский ДИАЛОГ
 Petersburger DIALOG
 МЕЧНИКОВ-КОХ-ФОРУМ

3-я международная германо-российская конференция Форума Кох-Мечников
 3-rd International German – Russian Conference of the Koch – Mechnikov Forum

«СОВРЕМЕННЫЕ ТЕНДЕНЦИИ В ИНФЕКЦИОННОЙ ПАТОЛОГИИ»
 «CURRENT TRENDS IN INFECTIOUS PATHOLOGY»

ПРИГЛАШЕНИЕ

Die Stadt Beelitz und das Koch-Metschnikov-Forum laden ein zur

1. Benefiz - Kunstauktion in Beelitz-Heilstätten

zugunsten eines Projekts der Tuberkulosekontrolle am Kinderkrankenhaus der Siberian State Medical University Tomsk, Westsibirien

Schirmherrin: Bundesgesundheitsministerin Ulla Schmidt

Sonntag 9. September 2007 - 14:00 Uhr

Katalog und weitere Infos unter: www.auktion.beelitz.de

Beelitz-Heilstätten, ehem. Männer-Lungenheilstätte, Dr.-Herrmann-Straße
 Vorbesichtigung: Sonntag 9. September 2007 - 10:30 bis 12:30 Uhr

Auktionator Detlef Gosselck

MR freundlicher Unterstützung
 Kulturstützung der EKBO - Evangelische Kirche in Berlin-Brandenburg/schlesische Oberlausitz und Künstler e.V. (WPK) im vom FUXUS-Förderkreis Bergwitz/Stein
 Sponsoring: Kulturstiftung Brandenburg e.V., Brandenburgischer Verband Bildender Künster, Autostar, Scheinler Beelitz, Mittelbrandenburgische Sparkasse in Köpenick

Hospital Health Management
 December, 2nd – 8th 2007, Berlin/Bonn, Germany
 covering 40 hours of lectures.

emtec e.V.

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 Forum

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DAAD Deutscher Akademischer Austausch Dienst
 German Academic Exchange Service



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