

SOUL – Southern Urals Radiation Risk Research

Final Meeting

9/10 December, München/Oberschleißheim

Helmholtz Zentrum München, Ingolstädter Landstraße 1
Gebäude 34, Großer Hörsaal

Draft Agenda

Wednesday, 9 December 2009

9.00 Session I: Opening

Christian Langebartels, Helmholtz Zentrum München
Andre Jouve, European Commission
Mikhail Kisselev, Russian Federal Medical-Biological Agency
Patricia Worthington, US Department of Energy

9.30 Session II: Health Effects and Internal Dosimetry for the Mayak Worker Cohort Chairs: Sergey Romanov, Colin Muirhead

9.30 Cerebrovascular diseases in the Mayak Worker Cohort
T.V. Azizova (SUBI), C.R. Muirhead (HPA), M.B. Druzhinina (SUBI),
E.S. Grigoryeva (SUBI), E.V. Vlasenko (SUBI), M.V. Sumina (SUBI),
J.A. O'Hagan (HPA), W. Zhang (HPA), R.G.E. Haylock (HPA), N. Hunter (HPA)

9.55 Cardiovascular diseases in the Mayak Worker Cohort
T.V. Azizova (SUBI), C.R. Muirhead (HPA), M.B. Druzhinina (SUBI),
E.S. Grigoryeva (SUBI), E.V. Vlasenko (SUBI), M.V. Sumina (SUBI),
J.A. O'Hagan (HPA), W. Zhang (HPA), R.G.E. Haylock (HPA), N. Hunter (HPA)

10.20 Cause of death register for the Ozyorsk population.
F. Tretjakov (SUBI), B. Grosche (BfS)

10.45 Break

11.15 Session II: Health Effects and Internal Dosimetry for the Mayak Worker Cohort
(continued)
Chairs: Sergey Romanov, Colin Muirhead

- 11.15 Cancer morbidity in the Mayak Worker Cohort
N. Koshurnikova (SUBI), Keith Binks (WSC)
- 11.40 Pathogenesis of Pu-induced lung cancer in Mayak workers
F. Fend (UTU), M. Belosokhov (SUBI)
- 12.05 Plutonium dosimetry for Mayak Worker Cohort
S. Romanov (SUBI), V. Khokhryakov (SUBI), A. Birchall (HPA), A. Riddel (WSC)
- 12.30 Discussion
- 13.00 Lunch**
- 14.00 Session III: Health Effects in the Techa River Cohort**
Chairs: Alexander Akleyev, Per Hall
- 14.00 Cause of Death Registry for the Techa River population
N. Startsev (URCRM), A. Akleyev (URCRM), P. Dimov (URCRM), B Grosche (BfS)
- 14.25 Health Effects in the Techa River Offspring Cohort
E. Ostroumova (URCRM), L. Krestinina (URCRM), S. Epifanova (URCRM),
N. Shagina (URCRM), M. Degteva (URCRM), N. Startsev (URCRM), P. Hall (KI),
S. Lonn (KI), A. Akleyev (URCRM)
- 14.50 Non-cancer late health effects in ETRC
L. Krestinina (URCRM), A. Akleyev (URCRM), S. Epifanova (URCRM),
M. Degteva (URCRM), S. Lonn (KI), P. Hall (KI)
- 15.15 Discussion
- 15.30 Break**
- 16.00 Session IV: Dosimetry for the extended Techa River cohorts**
Chairs: Marina Degteva, John Harrison
- 16.00 Advanced validation of the TRDS external dose estimates in Muslyumovo with luminescence measurements
A. Ulanovsky (HMGU), C. Woda (HMGU), N. Bougrov (URCRM),
M. Degteva (URCRM), O. Ivanov (Kurchatov Institute), P. Jacob (HMGU)
- 16.25 Estimation of enamel doses from ⁹⁰Sr incorporated in dental tissues
E. Shishkina (URCRM), N. Semioshkina (HMGU)
- 16.50 EPR dosimetry for Techa River residents
P. Fattibene (ISS), D. Ivanov (IMP), E. Shishkina (URCRM), A. Wieser (HMGU)
- 17.15 FISH dosimetry for Techa River residents
F. Darroudi (LUMC); J. Fomina (LUMC), A. Vozilova (URCRM), A. Ainsbury (HPA), A.A. Edwards
(HPA), J.E. Moquet (HPA), P.A. Hone (HPA), D.C. Lloyd (HPA)
- 17.40 End of first day**

Thursday, 10 December 2009

- 9.00 Session IV: Dosimetry for the extended Techa River cohorts (continued)**
Chairs: Marina Degteva, John Harrison
- 9.00 Evaluation of retrospective external dosimetry for the Techa riverside residents and implications for the
TRDS
M. Degteva (URCRM)
- 9.25 Novel CT and microCT-based skeletal models of the developing fetus and newborn child for the Techa River
Dosimetry System
W. Bolch (UF), M. Maynard (UF), D. Pafundi (UF), N. Shagina (URCRM),
T. Fell (HPA), J. Harrison (HPA)
- 9.50 Modelling in utero and neonatal doses from strontium-90 and other radionuclides for Techa
River residents
M. Degteva (URCRM), J. Harrison (HPA), W. Bolch (UF), N. Shagina (URCRM),
E. Tolstykh (URCRM)
- 10.15 Discussion
- 10.45 Break**
- 11.15 Session V: External Dosimetry for Mayak Worker Cohort**
Chairs: Evgeni Vasilenko, Albrecht Wieser
- 11.15 Strategy for evaluation of external doses in *Doses-2005*
E. Vasilenko (Mayak), M. Gorelov (Mayak), P. Jacob (HMGU), A. Wieser (HMGU)
- 11.40 Evaluation of external exposures of the population of Ozyorsk with luminescence measurements of bricks
C. Woda (HMGU), I. Fiedler (HMGU), Y. Mokrov (Mayak), S. Rovny (Mayak),
A. Ulanovski (HMGU), P. Jacob (HMGU)
- 12.05 Measurements and Monte Carlo calculations of photon energy distributions in Mayak PA workplaces
A. Clouvas (AUTH), E. Vasilenko (Mayak), M. Smetanin (Mayak), S. Xanthos (AUTH), G. Takoudis
(AUTH), Z. Gilko (AUTH), J. Silva (Universite Paris),
C. Portiriadis (Greek Atomic Energy Commission)
- 12.30 FISH measurements for Mayak workers
E.A. Ainsbury (HPA), A.A. Edwards (HPA), J.E. Moquet (HPA), P.A. Hone (HPA), D.C. Lloyd (HPA),
F. Darroudi (LUMC), J. Fomina (LUMC), N.V. Sotnik (SUBI),
T.V. Azizova (SUBI)
- 13.00 Lunch**

- 14.00 Session V: External Dosimetry for Mayak Worker Cohort (continued)**
Chairs: Evgeni Vasilenko, Albrecht Wieser
- 14.00 EPR measurements and evaluation of retrospective external dosimetry for Mayak workers
A. Wieser (HMGU), E.A. Ainsbury (HPA), P. Fattibene (ISS), P. Jacob (HMGU),
D. Ivanov (IMP), E. Vasilenko (Mayak)
- 14.25 Discussion
- 14.45 Session VI: Related projects, perspectives and conclusion**
Chairs: Peter Jacob, Colin Muirhead
- 14.45 Radiation Research in Southern Urals under the auspices of the Joint Coordinating Committee of Radiation Effects Research (JCCRER)
B. Fountos (DOE)
- 15.10 NCI collaborative projects on cancer risk in cohorts in the Southern Urals
E. Ron (NCI), E. Gilbert (NCI), S. Schonfeld (NCI); M. Sokolnikov (SUBI),
N. Koshurnikova (SUBI), E. Rabinovich (SUBI), T. Azizova (SUBI),
A. Akleyev (URCRM), L. Krestinina (URCRM), E. Ostroumova (URCRM),
D. Preston (Hirosoft)
- 15.35 Break**
- 16.05 Session VI: Related projects, perspectives and conclusion (continued)**
Chairs: Peter Jacob, Colin Muirhead
- 16.05 EU FP6 α -RISK Projects on plutonium and uranium studies of EU nuclear workers. A nested case-control study and a feasibility study
K. Binks (WSC)
- 16.20 Models of carcinogenesis for lung cancer in the Mayak Worker Cohort and for solid cancer in the Techa River Cohort
M. Eidemüller (HMGU), A. Akleyev (URCRM), L. Krestinina (URCRM),
R. Meckbach (HMGU), E. Ostrumova (URCRM), M. Sokolnikov (SUBI),
E. Vasilenko (Mayak), V. Vostrotin (SUBI), P. Jacob (HMGU)
- 16.45 Perspectives for Southern Urals Radiation Risk Research
C. Muirhead (HPA)
- 17.00 Discussion
- 17.15 Concluding remarks
P. Jacob (HMGU)
- 17.30 End of meeting**