



ISO-FOOD Summer School Radionuclides in food

June 6-10, 2016

Jožef Stefan Institute, Department of Environmental Sciences, Ljubljana, Slovenia

www.isofood.eu



Venue:

Jožef Stefan Institute, Reactor center,
Brinje 40, Dol pri Ljubljani, Slovenia,
www.rcp.ijs.si

Contact & Info:

Phone: 00 386 (1) 477 3746
00 386 (1) 588 5355
Mail: erachair@isofood.eu
Web: www.isofood.eu
www.environment.si

Monday 6.6.2016

10:00
Welcome and introduction (Including participants introduction) (M. Horvat, D. Heath, L. Benedik)

11:00
Lecture I: EU Legislation for radionuclides in food (L. Benedik)

Metrology in (Radio) Chemistry (L. Benedik)

Traceability of activity to the SI (S. Pommé)

12:30
Lunch

13:30
Lecture II: Introduction to ISO/IEC 17025 standard (P. Vreča)

15:00
Coffee break

15:30
Lecture III: Practical Gamma-ray spectrometry (B. Smodiš)

17:00
Welcome reception

Tuesday 7.6.2016

9:00
Lecture IV: Basic statistics and uncertainty propagation in analyses (S. Pommé)

10:30
Coffee break

11:00
Lecture V: Radiochemical analytical techniques (L. Benedik, M. Trdin, B. Smodiš, M. Štrok)

12:30
Lunch

13:30
Lecture VI: Treatment of the sample from sampling to measurement (M. Trdin)

15:00
Coffee break

15:30
Laboratory tour

Exercise I: Sample Preparation for alpha-particle spectrometry (M. Trdin, L. Benedik)

17:00
End of day 2



ISO-FOOD Summer School Radionuclides in food

June 6-10, 2016

Jožef Stefan Institute, Department of Environmental Sciences, Ljubljana, Slovenia

www.isofood.eu

Wednesday 8.6.2016

9:00

Lecture VII: Uncertainties in alpha and gamma spectrometry (S. Pommé)

10:30

Coffee break

11:00

Exercise II: Radiochemical separation techniques (M. Trdin, L. Benedik)

12:30

Lunch

13:30 -

Excursion

Thursday 9.6.2016

9:00

Exercise III: Source preparation and measurement (M. Trdin, L. Benedik)

10:30

Coffee break

11:00

Case studies presented by participants Discussion about common problems (S. Pommé, L. Benedik, B. Smodiš, M. Trdin, M. Štok)

12:30

Lunch

13:30

Lecture VIII: Liquid scintillation technique (M. Štok)

15:00

Coffee break

15:30

Exercise IV: Sample preparation for liquid scintillation technique (M. Štok)

17:00

End of day 4

Friday 10.6.2016

9:00

Lecture IX: Reporting and interpretation of results (Including certificates, use of plots, etc.) (S. Pommé)

10:30

Coffee break

11:00

Questions and discussion

12:30

Lunch

13:30

Final remarks and distribution of certificates

14:30

End of day 5