

2<sup>nd</sup> Research Coordination Meeting on

**“Reference Database for Neutron Activation Analysis”**

IAEA Headquarters, Vienna, Austria  
7 – 9 May 2007

**Meeting Room A2313**

## **AGENDA**

(As adopted at the meeting)

### **Monday 7 May**

- 08:30 - 09:30**     **Registration** (IAEA Registration desk, Gate 1)
- 09:30 - 10:00**     **Opening Session**  
Introductory Remarks – M.A. Kellett  
Election of Chairman and Rapporteur  
Discussion and Adoption of Agenda (Chairman)
- 10:00 - 11:00**     **Administrative and Financial Matters related to participants**  
*Coffee break*
- 11:00 - 12:30**     **Session 1: Presentations by participants**  
(15 minutes for each presentation and 5 minutes for discussion)
- 12:30 – 14:00**     *Lunch*
- 14:00 - 15:30**     **Session 1 (cont'd): Presentations by participants**  
(15 minutes for each presentation and 5 minutes for discussion)  
General Discussion
- 15:30 - 16:00**     *Coffee break*
- 16:00 - 17:30**     **Session 2: Presentation of the results of the proficiency test case**  
Gamma spectrum analysis/peak area determination  
Detector efficiency calibration  
Materials analysis (SMELS)  
Neutron spectrum determination / monitor reactions  
General Discussion

## Tuesday 8 May

- 09:00 - 10:15**    **Session 3: Neutron spectrum determination**  
Conventional methods of NAA  
Spectrum unfolding  
Direct measurements  
Computational methods  
General Discussion
- 10:15 – 10:45**    *Coffee break*
- 10:45 – 12:15**    **Session 4: k0-IAEA software package**  
Detector calibration utilities  
Spectrum processing utilities  
Scope of software: inter-comparison with other products  
Software extensions  
General Discussion
- 12:15 – 14:00**    *Lunch*
- 14:00 – 15:30**    **Session 5: Nuclear constants in relation to differential data**  
Relation between integral and differential data  
Neutron self-shielding  
Effective resonance energy  
Gamma emission probabilities
- 15:30 – 16:00**    *Coffee break*
- 16:00 – 17:30**    **Session 6: Criteria for determining the scope of new measurements**  
Needs and priorities  
Available facilities  
Available manpower
- 19:00**            *Dinner at Restaurant on the banks of the “Old Danube”*

## Wednesday 9 May

- 09:00 - 10:30**    **Session 7: Task assignment and Review of Actions**
- 10:30 – 11:00**    *Coffee break*
- 11:00 – 12:30**    **Session 8: Drafting of the 2<sup>nd</sup> RCM Summary Report**
- 12:30 - 14:00**    *Lunch*
- 14:00 – 15:30**    **Session 9: Review of the 2<sup>nd</sup> RCM Summary Report**
- 15:30**            **Closing of the Meeting**