THURSDAY 07.06.2012

10.30 – 11.00 Registration

Session 1: Opening ceremony and introduction to the EMAN project
Chairpersons: Anja Almén, Anders Frank

11.00 – 12.30

Introduction
T. Cederlund and A. Almén (SSM)

EC – the importance of optimization in the medical sector
G. Simeonov (EC)

Optimization of radiation protection in CT procedures
E. Nekolla (BfS)

Optimization of radiation protection in interventional radiology procedures
H. Ducou Le Pointe (ESR)

Optimization of radiation protection for x-ray procedures outside the radiology department
R. Padovani (EFOMP)

Anders säger något om lunch dinner och

12.30 – 14.00 Lunch break

Session 2: Plenary session 1 – Stakeholders involvement – Present activities on optimization
Chairperson: Graciano Paulo,
Rapporteur: Annemarie Schmitt-Hannig

14.00 – 15.20
The manufacturers impact on optimization – COCIR
N. Denjoy (COCIR)

The authorities impact on optimization – HERCA
R. Bly (HERCA)

ICRP – Recommendations on optimization in imaging and documents in progress
E. Vano (ICRP)

IAEA - the initiatives conducted in the international setting
M. Rehani (IAEA)

Networking as a tool for improving ALARA
C. Lefaure

15.20-15.30
Introduction to Working groups in parallel
A. Almén

15.30 – 16.00 Coffee break
**Session 3: Working groups in parallel – Current important issues concerning optimization – problems and solution**

16.00 – 17.30  CT procedures  Interventional radiology  X-ray outside x-ray department

18.00  Dinner

**FRIDAY 08.06.2012**

**Session 4: Plenary session 2 – What can be improved and how can it be done – good examples**

Chairperson: Stelios Christofides  
Rapporteur: Filip Vanhavere

08.30 – 10.00  Optimization in pediatric radiology – future needs  
C Owens (ESPR)

European Association of Nuclear Medicine (EANM) – Overview of initiatives in optimisation and radiation protection  
M. Nowak Lonsdale (EANM)

ESTRO current and future activities  
E Aird (ESTRO)

Radiation protection in digestive endoscopy – European Society of Digestive Endoscopy (ESGE) Guideline  
K. Paraskeva

Optimisation in Vascular and Interventional Radiology – CIRSE  
F. Fanelli (CIRSE)

10.00 – 10.30  Coffee break

**Session 5: Working groups in parallel – Current important issues concerning optimization – making solutions happen and action plan**

10.30 – 12.00  CT procedures  Interventional radiology  X-ray outside x-ray department

12.00 – 13.30  Lunch break

**Session 6: Plenary session 3 – Good examples of activities**

Chairperson: Peter Vock,
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<th>Time</th>
<th>Session</th>
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<tr>
<td>13.30 – 15.30</td>
<td>The impact of clinical audit on developing optimization and good practices. H. Järvinen</td>
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<td>Good example of interaction between hospital and manufacturer S. Ebdon-Jackson</td>
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<td>Good example of contact between radiographer and radiologists and MP D. Pekarovic</td>
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<td>Reaching persons outside the radiology department – education and training – e-learning G. Tosi</td>
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<td>The contribution of the medical physicist in optimizing the imaging chain: the true challenges H. Bosmans</td>
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<td>Current trends in Interventional Cardiology: New modalities to manage radiation exposure, contrast application and avoid contrast nephropathy H. D. Glogar</td>
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<td>15.30 – 16.00</td>
<td>Coffee break</td>
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<td>16.00 – 17.00</td>
<td>Session 7: Working groups in parallel – Future activities for EMAN including needed support activities e.g. communication activities</td>
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<td>CT procedures Interventional radiology X-ray outside x-ray department</td>
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**Session 8: Plenary session 4 – Conclusions from the working group**

*Chairperson:* Filip Vanhavere  
*Rapporteur:* Peter Vock

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| 08.30 – 10.00 | CT procedures  
Interventional radiology  
X-ray outside x-ray department |
| 10.00 – 10.30 | Coffee break |

**Session 9: Plenary session 5 – Discussion and presentation of the future work of EMAN**

*Chairperson:* Anja Almén  
*Discussion Facilitator:* Madan Rehani

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| 10.30 – 10.40 | Presentation of the future network  
G. Frija, P. Vock |
| 10.40 – 11.15 | Panel discussion of consortium members |
| 11.15 – 11.40 | Questions from the floor |
| 11.40 – 11.50 | HERCA’s view R. Bly |
| 11.50 – 12.00 | The EC view of the future of EMAN G. Simeonov |

**Session 10: Plenary session 6 – Workshop conclusions**

*Chairpersons:* Anja Almén, Torsten Cederlund

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| 12.00 – 12.15 | Conclusions  
*Annemarie Schmitt-Hannig* |
| 12.15 – 12.30 | Closing remarks |