Train the Trainers Workshop on Medical Physics Support for Nuclear or Radiological Emergencies

22-26 June 2015

Workshop Evaluation

IAEA
International Atomic Energy Agency

Key Message 1:
Participants' knowledge was improved

1. Test results before and after the workshop, indicated that the workshop was responsible for a very significant improvement of participants' knowledge regarding the role of the Medical Physicist in Nuclear or Radiological Emergencies (NRE)

	Pre-workshop	After workshop
Mean test grade	46.9777%	61.8416%
Standard deviation (SD)	13.6645%	8.0799%
Number of participants who took the test	13	19

***P* value and statistical significance:** The two-tailed P value equals 0.0005
By conventional criteria, this difference is considered to be extremely statistically significant

2. Further analysis of test results showed a clear improvement ($P<0.05$) of participants' knowledge in the domain of "Monitoring and Decontamination of People" after the workshop

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Key Message 2:

Responses of participants to the survey questions indicate that the content of the workshop could be improved*

Participants found the following parts of the workshop useful. These parts could be strengthened	Participants thought that the extent of the following parts could be reduced
Monitoring – Decontamination of People in view of the responsibilities of the Medical Physicist in NRE	Sections including basic Medical Physicists' knowledge (dose and risk assessment)
Practical Training (participants believed that increasing the practical training part would be beneficial)	Information pertaining to Nuclear Emergencies (participants would prefer more information pertaining to radiological emergencies)
Communication Strategies and Methods	Large Area Surveys – Food – Water
Protection Strategies for the Public	Psychosocial Effects
Emergency Management	

*Regarding biology – biological effects, experience of FMU staff and medical management, responses of participants were conflicting/unclear. Therefore these were not included in the above table

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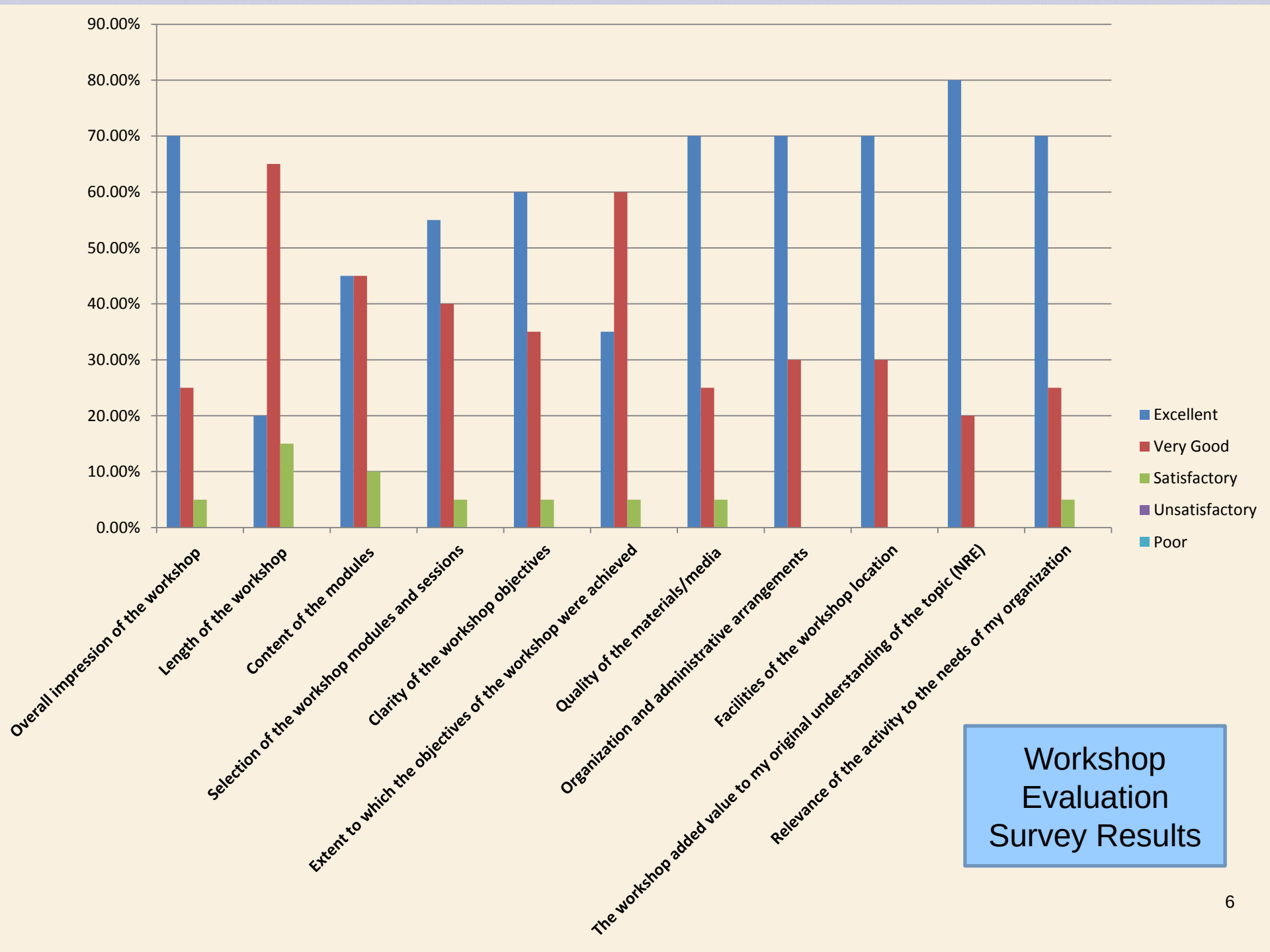
Key Message 3:
Participants made specific improvement suggestions

INCREASE	DECREASE
Time allocated for Monitoring and Decontamination	Overlap
Radiological Emergency Training	Nuclear Emergency Training
Practical Training and Simulations	Length of presentations – too much information
Time for discussion	

Appendix – Survey Results


90.00%
80.00%
70.00%
60.00%
50.00%
40.00%
30.00%
20.00%
10.00%
0.00%
Overall impression of the workshop
Length of the workshop
Content of the modules
Selection of the workshop modules and sessions
Clarity of the workshop objectives
Extent to which the objectives of the workshop were achieved
Quality of the materials/media
Organization and administrative arrangements
Facilities of the workshop location
The workshop added value to my original understanding of the topic (NRE)
Relevance of the activity to the needs of my organization
Excellent
Very Good
Satisfactory
Unsatisfactory
Poor
Workshop Evaluation Survey Results

What was the most useful part of the workshop for you?

Monitoring – Decontamination of People	27.3%
Practical Training	22.7%
Responsibility of Medical Physicists in Nuclear or Radiological Emergencies	13.6%
FMU Staff Experience	9.1%
Dose Assessment and Reconstruction	4.5%
Emergency Management	4.5%
Biological Effects	4.5%
Communication	4.5%
Medical Management	4.5%
Protection Strategies for the Public	4.5%

What was the least useful part of the workshop for you?

Large Area Surveys – Food – Water	18.2%
Biology	18.2%
Dose Assessment	18.2%
Medical Management	9.1%
Psychosocial Effects	9.1%
Risk Assessment	9.1%
Management – Experience of FMU	9.1%
Nuclear Emergencies (i.e. information regarding only nuclear emergencies)	9.1%

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