

2<sup>nd</sup> Workshop EAN-NORM  
Dresden 24-26 November 2009

NORM symposia:

Past and Future  
&  
Role of the Network

A. Poffijn (FANC, B.), U. Quade (Siempelkamp, D.), R. Wiegers (IBR, NI.)

FANC AFCN

# The past editions (I)

## General topics

- Legislation and regulation
- Occupational exposure
- Public exposure
- Experience from industry
- Waste management
- Operation and measuring
- Varia

## The past editions (II)

Edition	Reference	Internat. Publicat.	Oral present.	Non-Eu present.	National present.	Remarkable issues
NORM I	Amsterdam 1997	-	42	7%	57%	Modelling Legislation
NORM II	Krefeld 1998	-	41	17%	30%	Oil & gas Scrap recycl.
NORM III	Brussels 2001	-	50	22%	10%	Legislation Radon at w.
NORM IV	Szczyrck 2004	TECDOC 1472	59	13%	30%	Coal Radon
NORM V (no radon)	Seville 2007	IAEA Proc. Ser.	36	44%	14%	Phosphate Zirkonium

# The current edition (I) NORM VI Marrakech March 2010

## *Proposed topics*

- Operational Rad. Prot.
- Role of OHS & Environmental regulation
- Occup. RP in non-production situations
- Transport
- Use and management of NORM residues

## *Former topics*

- Legislation and regulation
- Occupational exposure
- Public exposure
- Experience from industry
- Waste management
- Operation and measuring



# The current edition (II)

## NORM VI Marrakech March 2010

### Key note

### Revision of the Basic Safety Standards and its Implications for Natural Sources

<p>Session 1 Operational RP</p> <p>Invited paper: « <i>The use and management of NORM in processing Bayan Obo ores in China</i> » (Qifan)</p>	<p>Session 2 - Regulation Invited paper: « <i>Norm Regulatory Initiatives in Western Australia</i> » (Tsurikov)</p> <p>Session 3 - Non-production situations Invited paper: « <i>Decommissioning of a rare earth extraction facility</i> » (Haridissan)</p> <p>Session 4 – Transport Invited paper: « <i>Safety of Transport of NORM</i> » (Varley)</p>	<p>Session 5 Management of Norm residues Invited paper: « <i>A global overview of Norm residue remediation and good practice</i> » (Waggit)</p> <p>Session 6 Use of Norm products and residues</p>	<p>Session 7 Uranium industry Public consultation Training needs in Norm industry</p>
Monday	Tuesday	Wednesday	Thursday



## And the future??

- NORM VII in 2013 in Mumbai
- NORM symposia « worldwide » (IAEA mission)
- Less European interaction and involvement
- It may take more than 10 years before there is again a NORM-series symposium in Europe



**Do we need an European discussion platform?**

(network + meetings at regular intervals)

*Discussion platform as a « complement » to NORM symposia*






## ENORM symposia (I)

- Period 2012-2016 (*by 2019 NORM IX in Europe?*)
- Focus on non-western part of geographical Europe
- Symposia in
  - Baltic area (meeting point Tallin; 2012)
  - Central area (meeting point Budapest; 2014)
  - South-east area (meeting point Belgrade; 2016)
- Stakeholders:
  - Industry
  - Governmental authorities
  - Research institutes





# ENORM symposia (II)

## Topics


- Pure NORM topics (no radon except if related to NORM activity)
- Generic
  - Operational aspects
  - Regulatory aspects
  - Material fluxes
  - Decommissioning
  - Technical aspects ( hot spots, leaching,...)
- Specific (defined by regional organizer)



# ENORM symposia (III)

## Practical aspects

- 2 days symposium in hotel in capital (easy to reach from airport, railway station, motorway)
- Limited to basics (no social activities,...)
- No posters
- 4 « oral » blocks (2 times 9-12.30h and 2 times 14-17.30h, including 30 minutes coffee breaks)
- Starting with afternoon block (arrival in the morning possible)
- One lunch (day 2) on the symposium
- Inscription fee: 300 euro
- Steering committee
- Standard lay-out for contributions



# ENORM symposia (IV): Communication aspects

- Networking...

- Contact points

Baltic area: G. Morkunas ([genmo@takas.lt](mailto:genmo@takas.lt)),  
M. Lust, K. Muru (Tallin)

Central area:

South-east area:



# ENORM symposia (V)

Focus countries for the 3 areas

- Baltic: Belarus, Estonia, Latvia, Lithuania
- Central: Czech Rep., Hungary, Poland, Romania, Slovakia, Ukraine
- South-east: Albania, Bosnia, Bulgaria, Croatia, Cyprus, Macedonia, Serbia, Turkey