

Introducing ENA the European NORM Association

C. Kunze, R. Wieggers, S. Pepin, C. Ahrens

The path to ENA : some history...

1996: „former“ EU BSS (directive 96/29/euratom)

⇒ 1st pan-european NORM regulations in Europe

⇒ *Need for international forum for exchange and discussions...*

- **1997:** 1st „NORM“ symposium in Amsterdam (KEMA – on initiative from European Commission)
- **1998:** 2nd symposium in Krefeld (Siempelkamp)
- **2001:** 3rd symposium in Brussels (FANC)
- **2004:** NORM IV in Szczyrk (Poland) – jointly organised with IAEA
- **2007:** NORM V – Sevilla
- **2010:** NORM VI – Marrakech (Morocco)

The path to ENA : some history...

In parallel to IAEA NORM conferences (NORM VII in Beijing, NORM VIII in Rio):

⇒ EU NORM symposia to focus on specific European NORM issues (**2012**: EU NORM I – Tallinn, **2014**: EU NORM II – Prague, **2017**: EU NORM III – Teddington)

+ EAN-NORM workshops (2007-2010 – Dresden, 2011 – Hasselt, 2012 – Dresden, 2013 – Madrid, 2014 – Vlissingen, 2016 – Stockholm)

+ other initiatives and projects (e.g. NORM4Building)

NORM in Europe: need for coordinating various informal networks and initiatives into a formal association...



- ENA **founded** september 2017 in Brussels
- Official **publication** of Act of foundation and statutes in April 2018



ENA = platform of experts from:

- *industry operators and industry associations;*
- *governmental and regulatory authorities;*
- *service providers;*
- *research and scientific organisations.*

Overarching goal :

- ***“promote and advance radiation protection in the context of exposure to NORM”***
- ***“support the management of NORM in compliance with European standards”***

ENA Statutes (inspired from European Radon Association)

Objectives (art. 4):

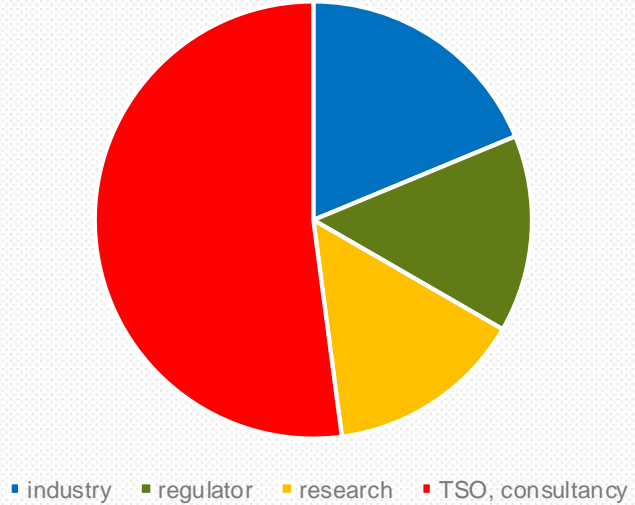
- to promote *research and development* of knowledge in all aspects of NORM,
- to promote *awareness on NORM aspects* and radiation protection in the industries,
- to be a *platform of exchange and discussion* for scientists, industries and regulators involved in NORM;
- to serve as a *consultative body* to international organisations with regards to laws and regulations concerning NORM and with regards to quality standards in NORM measurements;
- to promote and organise *training in NORM*;

ENA Membership:

- Ordinary membership (individual)
- Corporate membership (companies)
- Student membership
- Associated membership (non European)

2019 : 48 members
including 9 corporate members

ENA membership



ENA board

Executive committee

President: Rob Wiegers

Vice-president: Christian Kunze

Secretary: Christian Ahrens

Treasurer: Stéphane Pepin

Board members: J. Dilling, R. Gellermann, G. Jonkers, B. Michalik, C. Nuccetelli, A. Schellenberger, W. Schroeyers, E.-M. Steffan, H. Vandenhove, P. Varskog

ENA activities

- *Developing relations with EC, HERCA, IAEA, IRPA,...*
- *Begin 2019: ENA common position and comments towards draft ICRP recommendations on NORM in industries*
- *Website :*

<http://ena-norm.eu/>

The screenshot shows the ENA website homepage. At the top, there is a dark green navigation bar with the following links: News, History, Contact Points, Membership, Resources (with a dropdown arrow), and Useful links (with a dropdown arrow). Below the navigation bar is a large banner featuring a map of Europe and the text "ENA European NORM Association".

The main content area is divided into two columns. The left column is titled "Relevant literature" and contains a sub-section "Radiation Protection Safety Standards and regulations: general" with a list of bullet points:

- IAEA GSR Part 3: "Radiation Protection and Safety of Radiation Sources: International Basic Safety Standards"
- IAEA Safety Glossary 2016 - revision
- EU BSS 2013: directive 2013/59/euratom
- Transportation: IAEA Regulations for the Safe Transport of Radioactive Material - 2018 Edition

 Below this is a sub-section "NORM industries" with a "General:" heading and a bullet point:

- IAEA SRS49: "Assessing the Need for Radiation Protection Measures in Work Involving Minerals and Raw Materials"

The right column contains a search bar with the text "Search on ENA website" and a search input field with a magnifying glass icon. Below the search bar is a "Member Area" section with the text "ENA Working Groups" and "Access the ENA member area". At the bottom of the right column is a login form with fields for "Username:" and "Password:".

1st ENA meeting: 23-28 November 2018 – Katowice, Poland

Organised by Polish Central Mining Institute (**GIG**)

- **Training courses** (gamma spectrometry and LSC applied to NORM measurements, NORM inventory)

- **Sessions on** :

- ***NORM in the environment***
(releases of radium rich formation and process water)
- ***NORM in building materials***
(practical approaches to control)
- ***NORM in industry***
(looking beyond oil and gas, phosphorite and red mud)
- ***Speaker's Corner***
(short information on EU BSS implementation)



+ 1st ENA **General Assembly** (election of the board, financial report, discussion on future activities)

Topical working groups:

1. *NORM in building materials*
2. *NORM in industry*
3. *NORM in environment*

=> *Permanent working groups: all ENA members invited to join.*

ENA Working Groups: NORM in building materials

Main topics:

- *NORM containing construction materials - including measurements and dose assessment (liaise with European Centre for Standardization - CEN)*
- *NORM Inventory / database building for safe reuse of NORM in construction*
- *Platform for exchange of relevant document (e.g. Dutch regulations on building material)*

ENA Working Groups: NORM in industry

Main topics:

- *characterisation of industrial NORM residues*
- *practical procedures for release from regulatory control,*
- *experience of European industry in implementing new regulatory requirements*
- *set up a discussion platform*

ENA Working Groups : NORM in environment

Main topics:

- *integrated risk-assessment (radiological and non-radiological risks),*
- *risk communication (legacy sites, operating industries or disposal sites)*
- *training*

Recent ENA activities...

- *Collecting comments on draft IAEA TECDOC on graded-approach in NORM*
- *Participation to **HERCA** Working Group on Natural Radiation Sources (24-25 September 2019 – Oslo)*

⇒ **Next ENA conference - Save the date !**

20-22 October 2020 in Vienna – hosted by Austrian Agency for Food Safety (**AGES**)

Please visit ENA website to keep up-to-date

www.ena-norm.eu