

A faint, light green map of Europe is visible in the background of the dark green header bar.

# **ENA** European NORM Association

Opening of the Associated Event of NORM X

Christian Kunze

## ENA is a proud partner of



- Associated Event: curated by, and co-organised with, ENA
- Technical sessions Tuesday-Thursday, EXPEDITION
- Refresher courses organised by ENA, Tuesday morning
  - Public exposure from NORM discharges, EXPEDITION
  - NORM metrology and sampling, PROGRESS
- ENA Working Groups, Wednesday 2.35 pm, EXPEDITION
- ENA General Assembly, Wednesday 4.30 pm, EXPEDITION
- ENA Young Professionals Award, Thursday, 3.00 pm, PROGRESS
- ENA members are serving as session chairs/co-chairs and panelists
- ENA information booth in the conference hall

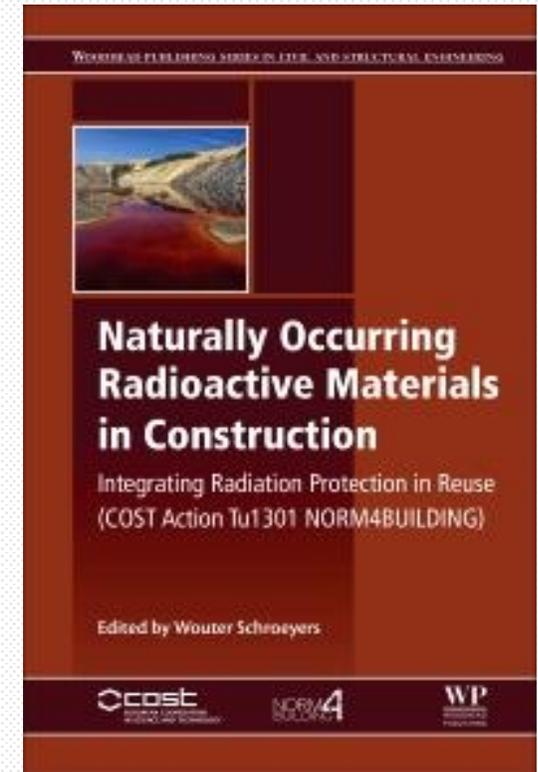
## ENA – The European NORM Association

- Founded 2017 from EU NORM and EAN\_NORM
- Non-profit organisation under Belgian law
- ENA Workshops to date
  - Katowice 2018
  - Vienna (virtual) 2020
  - Approximately 100 participants
- Members include
  - Industry operators and industry associations that are dealing with natural radioactivity in their raw materials, processes and residues;
  - Governmental and regulatory authorities in the field of radiation protection;
  - Service providers such as laboratories and consultants;
  - Research and scientific organisations

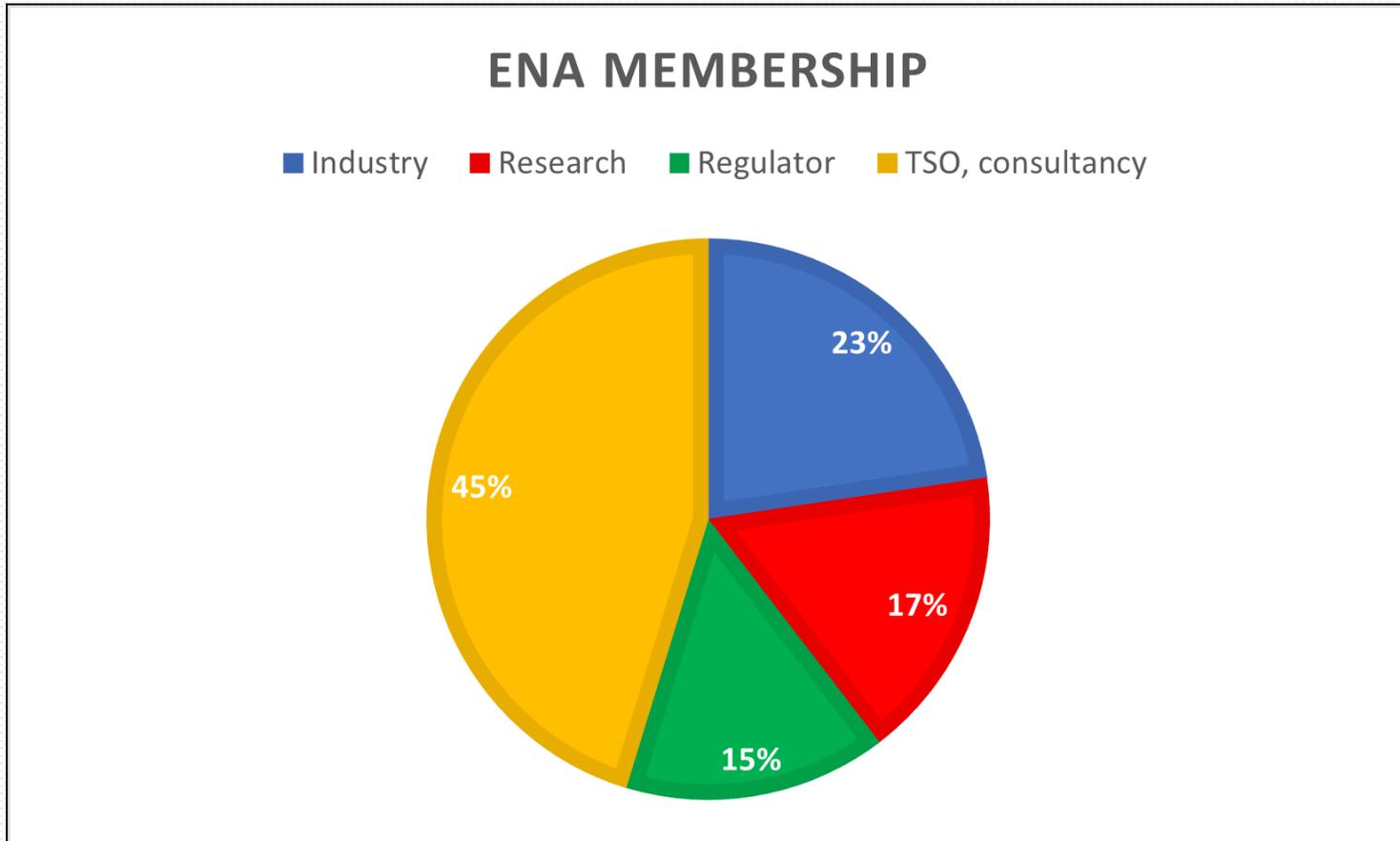


## ENA, cont't

- ENA activities are driven by practitioners
- 4 Working Groups
  - Industry
  - Environment
  - Decommissioning
  - NORM in building materials
- Working groups operate on an as-needed basis
- Concept of Contact Points retained from EAN\_NORM
- Small circles that facilitate to share problems and discuss solutions
- Currently drafting a survey of NORM disposal practice in Europe, to be presented at the 6 European Congress on Radiation Protection, May/June, Budapest
- See our online repository of presentations of previous ENA\_NORM, EU NORM, and ENA workshops



# ENA Membership



## Individual and corporate membership

### Membership benefits:

- Access to WG and Contact Points
- Discounts on registration fees
- Reputation

## ENA's links to other organisations

- **IAEA**, e.g., contributions to
  - RER 9155: "Enhancing Regulatory and Metrological Infrastructures Needed to Ensure Radiation Safety in Naturally Occurring Radioactive Materials Industry"
  - Questionnaire to "obtain a representative picture of ORP in NORM-related industries: broad overview covering all relevant areas of interest", and subsequent evaluation of responses from 16 European Countries
  - Webinars on ORP in the context of NORM
- **HERCA** (association of European radiation protection authorities)
  - ENA is an observer of the working group on natural radiation sources,
  - Reviewed and commented on HERCA publication on clearance and exemption of NORM
- **IRPA** set up a joint Task Group on Radiation Protection in Industries Impacted by NORM, initiated by ENA
- **ICRP**, Task group 76 on the application of ICRP recommendations to NORM: ENA submitted a joint position

## The ENA Stipend

### The ENA Stipend covers, *inter alia*

- Travel expenses to attend a scientific conference
- Living expenses during a limited period of time to complete a thesis or other piece of scientific work
- Cost of material or other expenses to complete a research project, e.g., analytical costs, literature, etc.

## ENA Stipend, cont'd

### Application

1. Cover letter detailing the motivation to apply for the ENA stipend
2. CV with a clear indication of the applicant's scientific background in the field of NORM
3. Description of the scientific work, including
  - Brief description of the status quo,
  - Proposed work and activities,
  - Objective(s) to be achieved with the stipend
4. Itemized outline of the costs and expenses for which ENA funding is requested.
5. Applications are reviewed quarterly

**We encourage young scientists and their supervisors to apply.**

## ENA Associated Event: Overview

- **Tuesday morning:** NORM in oil & gas production geothermal energy
- **Tuesday afternoon:**
  - Environmental impacts of NORM on the environment
  - NORM Residue and Waste Management
- **Wednesday morning:** Protection of workers, public and environment
- **Wednesday afternoon:**
  - RADONORM: EU survey on NORM, goals, challenges encountered and preliminary result, intro and panel
  - ENA Working group meetings
  - ENA General Assembly
- **Thursday morning:**
  - Current and Future Challenges on Communication of Risks, Recycling, Revalorization of Residues and Coordinated EU R&D approaches
  - New Initiatives on the exchange of information on NORM and ideas on NORM management through a social lens

## ENA Young Professionals Award @ NORM X

All presenters **under the age of 35** are eligible

### Evaluation criteria

- **Innovation:** Has the presentation provided anything new, previously unknown, or food for thought, that keeps the audience on the edge of their chairs, and/or will help move the NORM community forward?
- **Relevance:** Has the presentation practical relevance for NORM practitioners, or regulators, so that the safe management of NORM can be improved, or technologies be made more efficient?
- **Formal quality:** Has the presentation been of good visual quality, good formatting, with nice pictures, and well structured? Has the presenter kept to the time limit, allowed sufficient time for questions, and satisfactorily answered questions from the audience?