



In the US radon association AARST, later CARST in Canada.

In 2008, Georges-André Roserens (FOPH, CH) proposed at the ROOMS Meeting in Meran (Italy) to found a similar association to AARST in Europe ( $\rightarrow$  EARST)

In 2009, Erik Hulber (Radosys, Hungary) proposed at the HPA International Workshop on Quality Assurance in Radon Measurements in Chilton (UK) to found a similar association to AARST in Europe (→ European Association of Radon Professionals EARP)

May 2011: Inter-comparison exercise in Ciudad Rodrigo (Spain) – new discussion that finally led to ...



# Foundation of the European Radon Association (ERA) on 28 May 2013 in Bouillon (Belgium)

Serves as a platform for the exchange of information and for networking for radon experts

Addresses all radon sectors:

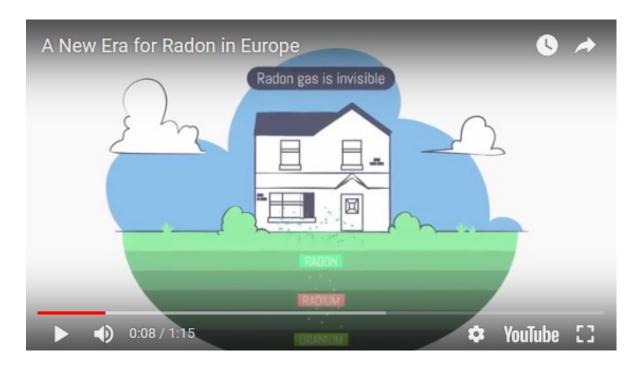
Companies (measurement, building protection, mitigation), research facilities, authorities

The European Radon Association is a non-profit International organisation registered under Belgian law n° BE549923484



## **Objectives of ERA**

- 1. To assist in reducing the health burden from radon in Europe (overall objective)
- 2. To promote public awareness of radon
  - European Radon Day (7 Nov, since 2015)
  - Radon video (see www.radoneurope.org or youtube, in several languages)





# **Objectives of ERA**

- 3. To provide a communication network for all radon professionals and other relevant groups
  - website (www.radoneurope.org)
  - mailings to the members
  - yearly workshops on specific radon topics
  - Newsletters
  - ERA Radon Week 2018
  - Journal of the European Radon Association (JERA): <a href="https://radonjournal.net/index.php/radon">https://radonjournal.net/index.php/radon</a>
- 4. To encourage the development of quality standards in indoor radon metrology, remediation, prevention and control technologies



# **Objectives of ERA**

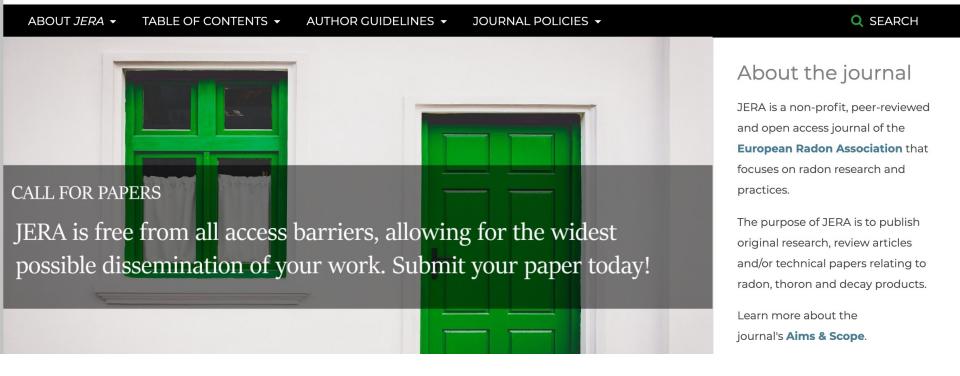
- 5. To contribute to education and training in all aspects of the radon field and to assist in the organization of radon conferences
  - training course in Ciudad Rodrigo, Spain, 2016 (organised by UC)
  - training course in Lugano, Switzerland, 2018 (organised by SUPSI)
  - training course in Marne-la-Vallée, France, 2020 (CSTB)
- 6. To serve as a pool of experts and a consultative body to national and international agencies
  - collaboration with IAEA: training, webinars
  - financial support to ROOMS meetings



#### **JERA**

journal of the European Radon Association

Register Login





## **Annual ERA Workshops**

I ERA WORKSHOP: *International and national radon regulations and strategies* Bouillon, Belgium, 29 May 2013

II ERA WORKSHOP: Prague, CZ, 15 Sep 2014

III ERA WORKSHOP: Designing National Radon Plans

Krakow, Poland, 29 May 2015

IV ERA WORKSHOP: Occupational Exposure to Radon

Ciudad Rodrigo, Spain, 28+29 Apr 2016

V ERA WORKSHOP: Radon Risk Communication

Sofia, Bulgaria, 19 May 2017

VI ERA WORKSHOP: Radon in National Building Codes

Lugano, Switzerland, 26 Sep 2018

VII ERA WORKSHOP: Radon measurements: calibration, quality assurance and measurement

protocols

Krakow, Poland, 28 May 2019

VIII ERA WORKSHOP: Radon Research in Europe

Vienna, Austria, 24 Feb 2020

IX ERA WORKSHOP: International collaboratorions on radon

Fribourg, Switzerland, 13 Oct 2021



# **ERA Radon Week 2018**

Lugano, Switzerland 24 - 28 September 2018

Arrival of participants

Monday 24 ERA Mitigation Training Tuesday 25
ERA Mitigation
Training

Wednesday 26 ERA Workshop and General Assembly

Thursday 27 ROOMS 2018

Friday 28 ROOMS 2018









## **Training**

# **Basic Training Course in Radon Metrology and Control**

Ciudad Rodrigo, Spain, 25-27 Apr 2016

#### **Radon Mitigation Course**

Lugano, Switzerland, 24-25 Sep 2018



#### **Radon Mitigation Course**

Marne-la-Vallée, France, 29-30 Oct 2020



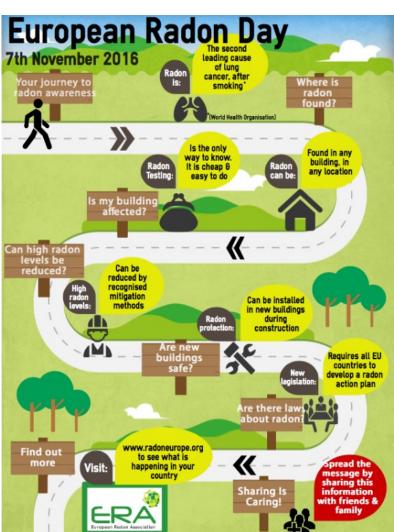
# **European Radon Day**

On 7 November (birthday of Marie Curie); since 2015

→ leads to significant national radon awareness activities

(see European Radon Day - ERD)







A workplan with specific workpackages and tasks, task leaders and task members has been established by the Executive Committee at its meeting on 1 Feb 2018.

This will help to address the main challenges of ERA in a coordinated manner and to set priorities.

All ERA members are more than welcome to contribute to one or more tasks !!!



workpackage	task	description/subtasks	task coordinator
ERA publicity / communication plan	proposal about options	website, social media, flyer, award, newsletter, ERA radon journal, fact sheets, communication channels, networking	José

workpackage	task	description/subtasks	task coordinator
attracting new members	list of benefits to members	identification (questionnaire to members), provision	Per
	proposal about options on how to communicate this to the various target groups		



workpackage	task	description/subtasks	task coordinator
website	proposal for improvement	platform, design, structure, contents, updating	José

workpackage	task	description/subtasks	task coordinator
training	training session within ERW 2018	organisation, contents evaluation	Wolfgang, Bernard
	promotion		
	certification procedure		



workpackage	task	description/subtasks	task coordinator
ERA radon day	promotion	promotion, tools (poster, video etc.)	Maria

workpackage	task	description/subtasks	task coordinator
ERA radon week	ERW 2018	announcements, promotion, evaluation	Wolfgang
	preparation of ERW 2019		EC

workpackage	task	description/subtasks	task coordinator
ERA documents	identification of a first document topic and type, preparation of ERA documents on radon topics	publication of position papers, recommendations, guidelines, good practices, documents resulting from training courses etc.	EC



workpackage	task	description/subtasks	task coordinator
international	liaison officers	COIRA	President
organisations		EC / Art. 31 GoE WP NAT	Boris
		HERCA	Wolfgang
		ISO	José
		CEN	
		ENA	Boris
		IRMA	Maria
		IAEA	Wolfgang
		WHO	Jim
		UNSCEAR	Wolfgang
		IRPA	
		ICRP	
		MetroRADON	Dobromir
		IAQ	Krzysztof, Bernard
		buildings	Bernard
		medical	



#### **Executive Committee**

**President** Wolfgang Ringer (AGES – Austria)

**Vice-president** Per Nilsson (ÅF - Industry AB – Sweden)

**Treasurer** Boris Dehandschutter (FANC – Belgium)

Secretary José – Luis Gutiérrez (Radonova – Sweden)

Carmela Carpentieri (Istituto Superiore di Sanità – Italy)

Rebecca Coates (propertECO - UK)

Bernard Collignan (CSTB – France)

Maria Hansen (GM Scientific Ltd – UK)

Krzysztof Kozak (Institute of Nuclear Physics PAN – Poland)

James Mc Laughlin (UCD – Ireland)

Massimo Moroni (Geoex srls – Italy)

Paulo Pinto (Radosys Atlantic Lda – Portugal)

Dobromir Pressyanov (University of Sofia – Bulgaria)

Vladimir Udovicic (Institute of Physics Belgrade – Serbia)



#### **General Assembly**

Yearly: Brussels, Prague, Krakow, Ciudad Rodrigo, Sofia, Lugano, Krakow, Vienna, Fribourg

#### Many meetings + teleconferences of the EC

Prague, Brussels, Krakow, Stockholm, Dublin, Ciudad Rodrigo, Vienna, Sofia, Galway, Lugano, Uppsala







#### **ERA Awards**

2016

**Dr Betty-Denissa Burghele** 

Babeş-Bolyai University, Cluj-Napoca, Romania

2017

Dr Zora S. Žunić

Vinča Institute of Nuclear Sciences, Belgrade, Serbia

2019

Dr Javier de Elio Medina

2020

**Dr Tryggve Rönnqvist** 

Radonova, Uppsala, Sweden

2021

?????

?????



#### Website www.radoneurope.org



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**Events** 

Resources

Members

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Become a Member

Log in

# Improving awareness and reducing risk of radon exposure across Europe

Find more information for







#### ERA is a young association – there is still a lot to do

- strategy
- workplan
- membership
- website
- networking
- ...

#### **BUT:**

That is a great opportunity for all members to contribute to the shaping of ERA ...

## Membership

(at present approx. 150 individuals and 26 companies)

#### Individual Membership (€50)

Retired Individual Membership (€25)

Student Membership (€10)

Company Membership < 10 Employees (€500)

Company Membership 10-50 Employees (€1,000)

Company Membership >50 Employees (€1,500)

Associate member

# On-line application form

# More information on ERA and on membership:

www.radoneurope.org

# **EUROPEAN Radon Week 2021**

#### Fribourg, Switzerland 12 - 15 October 2021



#### Click here to register:

https://www.heia-fr.ch/fr/rechercheappliquee/instituts/transform/agend a/european-radon-week-2021/

Three different events will be held during this week:

- ERA Workshop: International Collaborations on Radon
- ERA General Assembly
- ROOMS 2021

Registration deadline is extended until the 30th of September

# Thank you very much

