



COIRA

Coalition of International
Radon Associations

Radon Chamber Intercomparison Program

Presented by:
Shawn Price

Coalition of International Radon Associations

- **Canadian Association of Radon Scientists and Technologists (CARST)**
- **European Radon Association (ERA)**
- **UK Radon Association (UKRA)**
- **American Association of Radon Scientists and Technologists (AARST)**
- **Nordic Group Radon Association (NGRA)**



Radon Chamber Intercomparison Program Goals

- Harmonization of radon metrology
- Distribute reference instruments to each of the participating chambers within the next 2-3 years
- Compare each facility's radon concentration to the reference instrument in a blind exposure
- Maintain anonymity & publish results in a peer-reviewed scientific journal

Intercomparison Committee

- **Jose Luis Gutierrez Villanueva (ERA) – Chair**
- **Phil Jenkins (AARST)**
- **Pam Warkentin (CARST)**
- **Karl Nilsson (NGRA)**
- **Melinda Ronca-Battista (AARST)**



Project Design

- **Develop/Approve Procedures (SOPs)**
- **Identify Chamber Candidates**
- **Specifications for Reference Instruments**
 - **Continuous Radon Monitors**
 - **Passive Devices**
- **Support/Administration Needs**
- **Determine Operating Costs & Funding Needs**

Likely Radon Chambers

- **SURO – CZECH REPUBLIC**
- **SSM – SWEDEN**
- **BFS – GERMANY**
- **PHE – UK**
- **BMI – US**
- **RSIC – CANADA**
- **RML – US**
- **Others?**



Reference Instrument Considerations

- **Sensitivity**
- **Stability**
- **Durability**
- **Availability**
- **Data Storage**
- **Rn Concentration Display**

Milestone Goals

October 1, 2017 @ AARST Symposium

- **Develop SOPs**
- **Choose Reference Instrument(s)**
- **Develop participation agreements**

2018

- **Initiate First Chamber Exposures**

2019

- **Complete Exposures**
- **Prepare Publication**



Meanwhile

- **Website – *coira-radon.org***
 - **Develop and add content**
 - **Calendar of International Radon Events**
 - **Add Section for each Association**

- **Transition Chair from AARST to CARST**
 - **Takes place at AARST International Radon Symposium – New Orleans – Oct 1-4, 2017**



Communications

COIRA Chair

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