

# **Key points for session 2**

Radon national action plan workshop  
From the 30th September to the 2nd October 2014

## Session 2: Action to reduce radon exposure in dwellings

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# Topics

- Existing buildings
- High radon levels
- Remediation and research
- New buildings
- Training

# Existing buildings

- Establishing national reference levels
- Awareness campaigns
- Information about health risks
- Motivate homeowners to do measurements and remediation if necessary
- Targeted surveys to identify radon risk areas and dwellings with high radon levels
- Involving local authorities and stakeholders

# High radon levels

In case of dwellings with high radon levels :

- Case by case strategy
- Cooperation between relevant actors
- Full transparency
- Communication: public and individual

# Remediation and research

- Need of general standards of mitigation
- Development of guidelines
- Research and cost effectiveness
  - ventilation
  - remediation techniques
  - energy saving

# New buildings

- Establish a reference level in regulations
- Considering radon when developing construction regulations/building codes
- Radon to be managed together with air quality and energy saving at the design stage
- Preventing radon ingress into the building
- Take into account the maintenance

# Training

- Training of professionals
  - in building construction
  - in remediation
- Basic and continuous training
- Approval system
- Short on-line training may be appreciated by professionals



## Strategy of measurements and remediation in existing housing

Regulatory approach Versus Voluntary approach, encouragement or regulation

Individuals dwellings and Collective housing buildings ?

Different strategies in case of sale or rent ?

## Prevention

*Czech Republic* : efficiency of prevention (verification on counter-measure)

*Norway* : Importance of regulation in new build with legally binding limit values

## Regulation and Control

*Spain, Switzerland* : Control of compliance of regulation (strategy and instrument, inspection and breaches, periodicity of measurements)

*Czech republic* : validity of measurement (reliability, comparability)

*Czech republic* : understandability (RL in the case of sale or rent)

*Belgium* : control measures in new buildings and responsibilities

*Norway* : Importance of legally binding levels for rental accommodations and effect of regulations on private dwellings (bystander effects)

## Energy saving

*Switzerland* : energy renovation VS air quality and radon

## Training

*Switzerland, IAEA* : to enhance the building professional training, appropriate outreach to building professionals

*Finland* : collaboration between authorities, experts and professionals, on line materials, training courses, ...

## High level of doses

***France*** : how to manage very high level of radon exposure due to latest radium contamination : responsibilities, coordination, risk assessment, transparency, information and recommendations to exposed people ?

Some countries have areas with especially serious radon problems, how to manage those problems