

IDENTIFICATION

- In a lot of situations, deny of risk
- Poor training / education => lack of knowledge, of risk awareness
- Medical field :
 - Stochastic risk not taken into account
 - Split management structure : managers and doctors
 - Control and accountability difficult
 - Radiation risk has got a lower priority compared to other risks
- Nuclear industry
 - RP Culture linked with improving the performances
 - RP culture more developed than in medical field

IDENTIFICATION (2)

- Need to start training/education as soon as possible . Eg teaching physics
- Industrial safety = avoidance
vs Radiation protection = optimisation
- Sustainability of RP profession : need for transferring the “good” knowledge to next generations (beware of “old crocodiles” ideas)
- Public risk perception influences internal decisions
- Role of media – influence in commitment
- Why do we need, want , to disseminate RP culture ?
 - Improving protection
 - Improving performances
 - Improving risk awareness

Diagnostic

- Actors
 - RP professionals
 - Managers
 - Professional bodies
 - Professionals who do not have education in RP but deliver doses (eg in medical , the dental professionals, cardiologists) or have an influence on the doses of others (facility designers, manufacturers ...)
 - Media
 - Politicians
 - Public, customers, patients
 - Authorities
 - Educators
 - NGOs (environment, patients, ...), « pressure groups »
- with different roles
 - Apply RP
 - Control, regulate
 - Have influence
 - External vs internal actors

Diagnostic (2)

- Need for continuous improvement, learning by doing, progress sometimes only after an accident
- “Too much procedure kill the procedure”
- Actions : “Audit is OK, but coaching is better”
- Industry : legislation usually well respected;
- while in medical, even if it is getting better in terms of regulation, weaker regulators, and weaker compliance
- Role of education and training. Not enough developed
- Need for coherent reporting system for events (medical, but not only) to favour benchmarking, and learning
- Rp professionals need to get managers aware of their responsibilities

Prospective

- Trends
 - Usually positive, however better in nuclear industry than medical
 - Decreasing doses specially in nuclear industry – challenge is to keep the trend
 - But increase of medical exposure overall

Prospective (2)

- Threat
 - Retirement – loss of knowledge
 - Young generation if they are not well trained, because they have new needs
 - Minimisation more asked than optimisation
 - Non nuclear contractors being employed in nuclear sector specially for decommissioning + several nationalities working together
 - Improvement of regulation doesn't mean always improvement in culture
 - Media
 - Times and finance
 - “Lack of dictatorship”
 - Temptation to do business as usual

Prospective

- Opportunities
 - More attention given to human factors
 - Retirement => Young generations =“ new blood”
 - “Greens are dead”
 - Continuous improvement is a recognise safety process
 - Authorities committed in RP for the medical field

Actions

- PESTEL analysis – Political, Economical, Societal, Technical, Environmental and Legal aspects
- Key factors:
 - Clear definition of RP culture
 - But also need for collecting and spreading good practices, good examples,..
 - Use existing tools (developed for eg in Safety culture or in Social sciences)

Actions

- Actions :
 - Specificities between sectors need to be considered
 - Development of training and education documents, adapted to the level of the audience
 - better develop optimisation processus in all fields
 - Develop tools to assess the RP culture (self-assessment or external)
 - develop awareness of population about radioactivity. not only for nuclear application, but also medical, radon
 - Address the media
 - Need an implementation strategy and communication strategy

Actions

- **success criteria :**
 - involvement of management,
 - integrated approach for various risks,
 - learning organisation,
 - be in line with authorities
- Need to develop an acronym for RP Culture
- Continue the debate at the national level : meetings and debates within national societies
 - ⇒ **Need to have a good summary from this meeting to bring back home**
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