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Managing interrelationships between safety and sustainability in decision-making: SITEX.Network activities

The Brundtland report defines 'sustainable development' as "Development that meets the needs of the present without compromising the ability of future generations to meet their own needs". By considering this vision in addition to the dynamism of the Aarhus convention, the SITEX.Network (Sustainable network for Independent Technical EXpertise on radioactive waste management), a cooperative network involving several international Technical Safety Organizations, regulators and Civil Society Organisations, promotes the articulation of sustainability with a certain framework for pluralistic decision-making about safety aspects of radioactive waste management. An application developed by SITEX.Network is the 'PEP serious game'(Pathway Evaluation Process). It offers to its players (from several types of actors, not necessarily with a technical background) a diversity of created scenarios of events, with a need of discussions, decisions and clarification in order to reach a certain safe and sustainable terminus, regarding a specific strategy for long term radioactive waste management. The dynamism offered by this type of interactions and their interesting results led SITEX.Network to further investigate enlarged and intergenerational approaches about Safety Culture, notably with the open characteristics of intergenerational safety assessment. This opens to SITEX.Network wide horizons of future studies about Safety Case temporal evolutions.

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