Beat: Technology

SEGOLENE ROYAL CHOOSES 12 INNOVATIVE PROJECTS IN WASTE MANAGEMENT RADIO ACTIVE

DISMANTLING ASSETS COSTS €40 MILLIONS

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USPA NEWS - o strengthen the French sector of nuclear decommissioning, Segolene Royal French Minister of ecology and Sustainable development, announced the selection of 12 innovative projects in the management of radioactive waste. Of the 29 projects submitted, 12 have just been retained.

To strengthen the French sector of nuclear decommissioning, Segolene Royal French Minister of ecology and Sustainable development, announced the selection of 12 innovative projects in the management of radioactive waste. Of the 29 projects submitted, 12 have just been retained. The total value of these projects is 40 million euros; they will be funded to the tune of 18 million euros by the future investment program and the remainder by industrial project partners. The management of radioactive waste from the decommissioning of nuclear facilities is a major issue for France because the share of this waste will grow in the coming years.----------Reduced volumes and more generally optimization of their management is therefore a priority. In France the share of this waste will grow in the coming years, the 29 projects submitted, 12 have just been retained. (in 2030, 1.1 million m3 of waste of very low activity will be produced according to the 2015 edition of Andra national inventory).----------
It is in this context that in 2014, a call for projects was launched by ANDRA in cooperation with the National Research Agency (ANR) and with the support of the future investment program, with the industrial world of French SMEs and the scientific community to foster innovative and collaborative projects.

THREE OUT OF THE 12 SELECTED PROJECTS----------
- CAMRAD the project will create a high-resolution camera hardened (resistant to radiation). It would provide high definition images unaltered by radiation and is used in all stages of the dismantling and storage of radioactive waste. These include a minimum of multiplying by 10 the radiation resistance compared to current cameras,
- DCND the project will develop a system to control the structure of concrete without destroying them. Indeed, the integrity monitoring of concrete structures and the quality of the package is essential to plant safety (nuclear sites or landfills). The proposed method combines measures of mechanical waves, electromagnetic and electrical, which would be carried out from the surface of the concrete object to listen,
- The MAUD project will use techniques from research in biology and geology to create an autoradiography device adapting to the constraints of the dismantling of nuclear facilities. It would, in real time, to have an image of the radioactivity in the waste and measure certain types of radioactivity that are difficult today. Official Ministry of Sustainable Development France

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