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## and future developments of noble gas detection systems at CEA/DAM

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For several decades, CEA/DAM is developing noble gas detection systems for nuclear test detections. In particular, CEA/DAM developed the SPALAX system which started to integrate the CTBTO IMS network in Tahiti in 2002. In 2015, CEA/DAM started the conception and realization of the SPALAX New Generation (SPALAX-NG) integrating the results of several years of R&D on material adsorbents and electron/photon detectors. The first industrial system has been released in 2017 and is currently finalizing its qualification by PTS. In its continuous effort of R&D, CEA/DAM is already prospecting for the next generation technologies. This presentation aims to provide an overview on the past, recent and future developments for noble gas detections at CEA/DAM.

### Promotional text

Past and future development in radionuclide detection at CEA/DAM

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