

# 2019 Annual Summary Report

**RCA Project Number:** RAS1022

**RCA Project Title:** *Strengthening Regional Capacity in Non-Destructive Testing and Examination Using Nuclear and Related Techniques for Safer, Reliable, More Efficient and Sustainable Industries Including Civil Engineering (RCA)*

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**Status:** On schedule

**Progress and Achievements:** This 4-year project commenced in 2019 with 3 activities successfully implemented as per project work plan. A Regional Workshop was held in the Philippines in May, involving 24 participants from 20 RCA GPs. Various issues faced by GPs with respect to NDT qualification and certification system requirements in accordance with the latest edition of ISO 9712 and ISO 17024 were discussed during the workshop. The needs of GPs in terms of NDT exam database, test specimens, training course notes and materials, were identified and collective actions among GPs were agreed to be taken based on the requirements. The first Regional Training Course for the project was held in June and hosted by Malaysia. 21 eligible participants from 14 GPs took part in the training course which delivers RT-D Level 2 training and examinations in accordance with ISO 9712. 13 candidates passed the theoretical and practical examinations and qualified to apply for the internationally recognized ISO 9712 RT-D certification; once they have fulfilled the industrial experience and visual requirements. In October, a Regional Workshop dedicated for developing draft documents to be used for training and for the qualification and certification of NDT personnel for civil engineering structures was held in New Zealand. The workshop was attended by 21 participants from 16 GPs and managed to successfully produce the desired draft documents as well as initiated efforts to include NDT for civil engineering structures in ISO 9712 document.

**Challenges and Recommendations:** GPs participating in the project is a mixture between advanced GPs and those at a lower stage of development in NDT. Efforts and supports should be given to GPs at a lower stage of development to propose national projects to establish their institutional/national capacity. Partnership between the advanced GPs and those at a lower stage of development is highly encouraged to bridge the capabilities and technological gaps among GPs.