



# Coordinated Research Activities

## Uniting the World Through Research

The IAEA's programme of Coordinated Research Activities was designed to stimulate and coordinate research in nuclear fields globally. It brings together research institutions from both developing and developed IAEA and FAO Member States to collaborate in nuclear science research projects of common interest. These projects range from isotopes and radiation applications in agriculture, human health, industry, hydrology and terrestrial and marine environment to nuclear energy and economic studies as well as nuclear safety and security. Within this framework, research, technical, doctoral contracts as well as cost free research agreements are awarded.

The Coordinated Research Activities are implemented via Coordinated Research Projects (CRPs). Each established Coordinated Research Project consists of a network of 10 to 15 research institutes that work for between three to five years in coordination towards the acquisition and dissemination of new knowledge on nuclear technologies and isotopic techniques.

The results of the CRPs are disseminated to Member States and the international scientific community through scientific and technical publications, databases, presentations at symposia and conferences, as well as the transfer of the proven technology through IAEA technical cooperation projects. Their contribution to building professional relationships and networks often thrive well beyond the lifetime of the particular CRP itself.

## Subscription and participation

- Go to [cra.iaea.org](http://cra.iaea.org).
- Search for relevant CRPs through 'All CRPs open for proposals' and the Information letter; and/or CRP search.
- Submit a Proposal for Research Contract or Agreement directly to the IAEA's Research Contracts Administration Section, using the proposal forms on the CRA web site and sending it to: [research.contracts@iaea.org](mailto:research.contracts@iaea.org)

## By the Numbers

MORE THAN

**100** MEMBER STATES  
PARTICIPATING IN THE COORDINATED RESEARCH ACTIVITIES



**55 YEARS**  
OF COORDINATED RESEARCH ACTIVITIES

**125** ACTIVE COORDINATED RESEARCH PROJECTS

**1900**  
RESEARCH INSTITUTIONS INVOLVED THROUGH RESEARCH, TECHNICAL AND DOCTORAL CONTRACTS OR RESEARCH AGREEMENTS



IAEA

Nuclear  
Sciences and  
Applications

# Success Stories

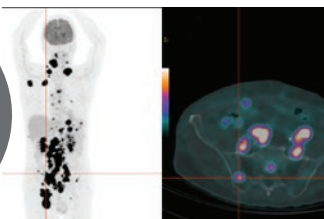
The broad scope of CRPs activities is reflected by the great diversity of their outputs which range from the establishment of networks and databases, important validating tools, the promotion of research through well-known scientific and technical publications, and Masters or PhD theses on the CRP research topics. Below are some examples illustrating the diversity of outputs:



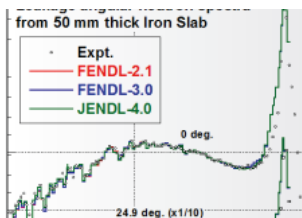
A regional **network of laboratories**, the Red Analitica de Latino America y El Caribe (RALACA), was successfully established through the completion of a CRP on Food and Environment Protection that brought together 15 different institutions to assess the effectiveness of pesticide management practices in agricultural production.



**Validating tools**, including highly sensitive tests, for the specific and sensitive diagnosis of diseases like the peste des petits ruminants (PPR), a trans-boundary and highly contagious disease of sheep and goats that is still spreading in Asia, Europe and Africa is the main outcome of a CRP held between 14 institutions from these regions and the Animal Production and Health Sub-programme.



Researchers from a CRP on Nuclear Medicine and Diagnosis Imaging won the **Editor's Choice Award** for one of the top three clinical investigations manuscripts published in the *Journal of Nuclear Medicine* that further defined positron-emission tomography for risk stratification of patients with diffuse large B-cells Non Hodgkin Lymphoma in different ethnic populations.



The completion of a CRP on Nuclear Data lead to the successful establishment of comprehensive **databases** on nuclear fusion, in particular the Fusion Evaluated Nuclear Data Library (FENDL), recently upgraded to the release of its 4th version FENDL-3.0.



**Master Degrees and PhDs** are very often obtained within the CRP framework. The IAEA also supports doctoral CRPs, which are designed to strengthen promotion of research on nuclear technologies in developing Member States through pair-building between agreement and contract holders. These CRPs include a PhD training programme at the contract holders' institutes. Three doctoral CRPs are currently implemented by the Human Health programme.