Treaty establishing the EAEC — Annex V: Initial research and training programme referred to in Article 215 of this Treaty (Rome, 25 March 1957)

Caption: Signed on 25 March 1957 in Rome by the representatives of Belgium, the Federal Republic of Germany (FRG), France, Italy, Luxembourg and the Netherlands, the Treaty establishing the European Atomic Energy Community (EAEC or Euratom) establishes, in Annex V, the initial research and training programme that the Joint Research Centre will have to implement within five years of the entry into force of the Treaty.

Source: Treaty establishing the European Atomic Energy Community (EURATOM) and connected documents. Luxembourg: Publishing Services of the European Communities, [s.d.]. 222 p. "Annex V: Initial research and training programme referred to in Article 215 of this Treaty".

URL:
http://www.cvce.eu/obj/treaty_establishing_the_eaec_annex_v_initial_research_and_training_programme_referred_to_in_article_215_of_this_treaty_rome_25_march_1957-en-74dd52f4-afc9-43f8-856e-02210ffc5c8d.html

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Treaty establishing the EAEC — Annex V: Initial research and training programme referred to in Article 215 of this Treaty

I. Programme of the Joint Centre

1. Laboratories, equipment and infrastructure.

The Joint Centre shall include :

(a) general laboratories for chemistry, physics, electronics and metallurgy;
(b) special laboratories for the following subjects :

- nuclear fusion;
- separation of isotopes other than uranium 235 (this laboratory shall be equipped with a high-resolution electromagnetic separator):
- prototypes of prospecting instruments;
- mineralogy;
- radiobiology;

(c) a bureau of standards specialising in nuclear measurements for isotope analysis and absolute measurements of radiation and neutron absorption, equipped with its own experimental reactor.

2. Documentation, information and training.

The Joint Centre shall arrange for a large-scale exchange of information, particularly in the following fields:

- raw materials: methods of prospecting, mining, concentration, conversion, processing, etc.;
- physics applied to nuclear energy;
- physical chemistry of reactors;
- processing of radioactive material;
- applications of radioisotopes.

The Joint Centre shall organise specialised courses relating particularly to the training of prospectors and to the applications of radioisotopes.

The health and safety documentation and study section referred to in Article 39 shall collect the necessary documentation and information.

3. Reactor prototypes.

A group of experts shall be set up as soon as this Treaty enters into force. After comparing the programmes of the Member States, it shall submit to the Commission, as soon as possible, appropriate recommendations on the choices before it in this field and the ways and means of implementing them.

It is planned to construct three or four low-power prototypes and to participate - e.g. by supplying fuel and moderators - in three power reactors.

4. High-flux reactor.

The Centre shall within the shortest possible time have at its disposal a reactor with a high fast-neutron flux for the testing of materials under irradiation.

Preparatory studies shall be undertaken for this purpose as soon as this Treaty enters into force.

The high-flux reactor shall be provided with extensive experimental areas and suitable laboratories for users.

II. Research carried out under contract outside the Joint Centre

A considerable part of the research work shall be carried out under contract outside the Joint Centre in accordance with Article 10. Such research contracts may take the following forms:

1. Research complementary to that of the Joint Centre shall be carried out in the fields of nuclear fusion, separation of isotopes other than uranium-235, chemistry, physics, electronics, metallurgy and radiobiology.

2. Until the proposed materials-testing reactor comes into operation, the Centre may rent space for experiments in high-flux reactors of Member States,

3. The Centre may make use of the specialised installations of Joint Undertakings to be established in accordance with Chapter V, by assigning to then by contract certain research of a general scientific nature.