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COUNCIL DECISION

of 21 June 1971

adopting a five-year research and training programme of the European Atomic Energy Community in the field of fusion and plasma physics

(71/237/Euratom)

THE COUNCIL OF THE EUROPEAN COMMUNITIES,

Having regard to the Treaty establishing the European Atomic Energy Community, and in particular Article 7 thereof;

Having regard to the Treaty establishing a Single Council and a Single Commission of the European Communities;

Having regard to the proposal from the Commission submitted after consultation with the Scientific and Technical Committee;

Having regard to the Council Resolution of 6 December 1969 on the future activities of the European Atomic Energy Community;

Having regard to the Council Decision of 27 October 1970¹ adopting a research and training programme of the European Atomic Energy Community for the financial year 1971 comprising a joint programme and complementary programmes, as amended by the Council Decision of 25 January 1971²;

Whereas on account of the extent of the effort still necessary to reach the stage of the practical application of controlled thermonuclear fusion, from which the Community could benefit, the work hitherto undertaken in this field should be continued, at the various stages of development thereof, on a joint basis;

Whereas the action proposed by the Commission constitutes adequate means of achieving this objective at the present stage of research; whereas, therefore, it

is in the common interest to adopt a multi-annual programme in the field of controlled thermonuclear fusion and plasma physics;

Whereas it is clearly important that the Community should encourage the construction of certain equipment relating to activities accorded priority status by granting a preferential rate of participation in the expenditure on such equipment;

Whereas the mobility of staff between associated laboratories should be encouraged;

HAS DECIDED AS FOLLOWS:

Article 1

A research and training programme in the field of controlled thermonuclear fusion and plasma physics shall be adopted for a five-year period from 1 January 1971. This programme is set out in the Annex to this Decision.

Article 2

The upper limit for expenditure commitments and for staff necessary for the implementation of this programme shall be fixed at 46.5 million units of account and 94 Community servants, the unit of account being defined in Article 19 of the Financial Regulation³ establishing and implementing the research and investment budget of the EAEC and concerning the responsibility of authorising officers and accounting officers (Article 183 (a) and (c) of the Treaty).

¹ OJ No L 245, 11.11.1970, p. 27.

² OJ No L 31, 8.2.1971, p. 4.

³ OJ No 74, 16.11.1961, p. 1433/61.

Article 3

Done at Luxembourg, 21 June 1971.

This Decision repeals and replaces, as regards the 'Fusion and Plasma Physics' programme, the Council Decision of 25 January 1971.

For the Council
The President
M. SCHUMANN

ANNEX

FUSION AND PLASMA PHYSICS

1. An amount of 46.5 million units of account shall be allocated to this objective and the upper limit for staff shall be fixed at 94 Community servants.

This amount is intended to cover the expenditure on equipment concerned with operations accorded priority status and specified in point 5 which are to be carried out during the first three years of execution of the programme; the expenditure throughout the programme on the general activities to be carried out thereunder; and the expenditure for procuring mobility of staff between associated laboratories.

2. The subject-matter of the programme which will be executed by the associated laboratories shall be:

- general physics in the sector concerned, in particular studies of a basic character or relating to confinement of plasmas with suitable devices and to methods for producing and heating plasmas;
- research on the confinement in closed and open-ended configurations of plasmas of widely varying density and temperature;
- production of and research on plasmas of high and very high density;
- improvement of diagnostic methods;
- investigation of technological problems connected with current research and of problems relating to thermonuclear reactor technology.

This work shall be carried out under contracts of association.

3. The programme set out in point 2 shall be part of a long-term co-operative project embracing all work carried out in the Member States in the field of fusion and plasma physics. It is designed to lead in due course to the joint construction of prototypes with a view to their industrial-scale production and marketing.
4. Within the upper limit of 46.5 million units of account:
 - (a) a maximum amount of 8 million units of account shall be allocated during the first three years of the programme to the financing of equipment for the operations specified in point 5, a standard preferential rate of participation equal to or less than 44% being applied. In return therefor, all members of the association shall have the right to take part in the experiments carried out with this equipment;
 - (b) a maximum amount of 0.3 million units of account shall be set aside for expenditure for procuring mobility of staff between associated laboratories;

- (c) the amount which shall not have been set aside for the operations and expenditure specified in sections (a) and (b) shall form the upper limit of financial participation by the Community in other expenditure of the associations and in their management. This participation shall be at a standard rate of about 25%. By way of derogation from this principle, this rate shall be increased to a maximum of 30% for the Euratom/CNEN-CNR Association, which will further benefit from the assumption by the programme of the expenses in respect of the Euratom staff seconded thereto.
5. After conducting a technical examination of the various projects, the Commission will be able to finance during the first three years, within the following upper limits, the operations mentioned below, which are accorded priority status:
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| — Low-beta stellarator and Tokamak: | 5.5 million units of account, |
| — Screw pinch and high-beta stellarator: | 1.6 million units of account, |
| — Heating and injection processes: | 1.2 million units of account, |
| — Very-high-density processes: | 0.8 million units of account. |
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