COUNCIL DECISION

of 18 June 1973

adopting a research and training programme for the European Atomic Energy Community (direct projects)

(73/177/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 Proposal from the Commission, submitted after consultation with the Scientific and Technical Committee;

Having regard to the Council Resolution of 17 December 1970 [1] on the detailed rules for the adoption of research and training programmes;

Whereas in the context of the common policy in science and technology the multi-annual research and training programme is one of the principal means whereby the Community can contribute to the rapid formation and expansion of nuclear industries and also to the acquisition and dissemination of knowledge in the nuclear field;

HAS ADOPTED THIS DECISION:

Article 1

A research and training programme as set out in Annexes I and II is hereby adopted for a period of four years from 1 January 1973. The Annexes shall form an integral part of this Decision.

Article 2

The maximum expenditure commitment and staff for implementing this programme shall be 13·8 million units of account and 140 staff for the duration of the programme.

The allocation of funds and staff is shown in Annex II.

The unit of account is defined in Article 10 of the Financial Regulation of 25 April 1973 [2] applicable to the general budget of the European Communities.

Article 3

The programme set out in Annex I shall be subject to review at the beginning of the second year, and then annually in accordance with the appropriate procedures and in the light of the Decisions of the Paris Summit Conference.

Done at Luxembourg, 18 June 1973.

For the Council

The President

A. LAVENS

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[1] OJ No L 16, 20. 1. 1971, p. 13.

[2] OJ No L 116, 1. 5. 1973, p. 1.

ANNEX I

DIRECT PROJECTS

NUCLEAR PROJECTS

JOINT PROGRAMME

I. Basic research on materials

A maximum of 5·1 million units of account, and a staff of 50 (including a programme staff of 29), shall be allocated to this objective.

The objective shall include basic studies on solid state physics as the groundwork of applied research on materials and shall consist of:

— studies of the effects of structural changes and cristalline imperfections on the properties of materials;

— studies of transport phenomena and structural behaviour in metals, polymers and other materials.

These activities shall be conducted by the Ispra Establishment.

II. Application of nuclear energy for purposes other than generating electricity (hydrogen production by decomposition of water on the basis of chemical cycles)

A maximum of 6·7 million units of account and a staff of 70 (including a programme staff of 37) shall be allocated to this project.

This objective shall include:

— chemistry studies: thermodynamic calculations, monitoring of unknown reactions, measurements of the physical properties of the compounds used, study of the effect of impurities, etc.;

— kinetics studies: calculation of reaction parameters (kinetics, yield etc.) and continuous simulation on laboratory scale of the various reactions and then complete cycles, again on laboratory scale;

— studies of materials: corrosion tests, firstly for indicative evaluations and then for quantitative measurements of the required materials;

— chemical engineering studies: preliminary definition of 'flowsheets', calculations for cycle optimisation, studies of the problems of coupling chemical processes with reactors.

Initially, emphasis will be placed on defining the data required for evaluating the technical and economic potential of the process, in cooperation with the circles involved.

These activities shall be conducted by the Ispra Establishment.

III. **Technical evaluations in support of Commission activities**

A maximum of 2 million units of account, and a staff of 20 (including a programme staff of 12), shall be allocated to this objective.

The objective shall include:

— public service activities using systems analysis techniques: collection and analysis of data, preparation of models, development of methods of calculation and codes for use on computers, studies of the results;

— prospection studies of the estimated development of electronic components required for making computers and their peripheral equipment.

These activities shall be conducted by the Ispra Establishment in cooperation with the relevant Directorates general.

ANNEX II

Table of staff and maximum expenditure commitments

Objective	Expenditure in million units of account	Staff
I. Basic research on materials	5·1	50
II. Application of nuclear energy for purposes other than generating electricity (production of hydrogen)	6·7	70
III. Technical evaluations in support of Commission activities	2·0	20
Total	13·8	140