II

(Acts whose publication is not obligatory)

COUNCIL

COUNCIL DECISION

of 22 December 1983

adopting a research programme to be implemented by the Joint Research Centre for the European Atomic Energy Community and for the European Economic Community (1984 to 1987)

(84/1/Euratom, EEC)

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 the European Economic Community, and in particular Article 235 thereof,

Having regard to the proposal from the Commission (1), presented after consultation, with regard to nuclear projects, of the Scientific and Technical Committee,

Having regard to the opinion of the European Parliament (2),

Having regard to the opinion of the Economic and Social Committee (3),

Whereas, in the context of the common policy relating to the field of science and technology, the multiannual research programme is one of the principal means whereby the European Atomic Energy Community can contribute to the safety and development of nuclear energy and to the acquisition and dissemination of information in the nuclear field;

Whereas Article 2 of the Treaty establishing the European Economic Community assigns to the Community *inter alia* the task of promoting throughout the Community a harmonious development of economic activities, a continuous and balanced expansion and increased stability; whereas the objectives of activities engaged in by the Community to this end are set out in Article 3 of the said Treaty;

Whereas the non-nuclear projects provided for by this Decision appear necessary for the attainment of these objectives;

Whereas on 14 January 1974 the Council adopted a resolution on the coordination of national policies and the definition of projects of interest to the Community in the field of science and technology (4);

Whereas the programme was drawn up in accordance with the Council resolution of 17 December 1970 concerning the procedures for adopting research and training programmes (5);

Whereas Article 3 of Council Decisions 77/488/EEC, Euratom (6) and 80/317/EEC, Euratom, (7) provides for a review of the programme during its third year;

Whereas it is of advantage to define and embody the common science and technology strategy in multiannual framework programmes setting out the complete range of scientific and technical activities being carried out or due to be carried out on the basis of the three Treaties; whereas this advantage was confirmed by the

(1) OJ No C 311, 16. 11. 1983, p. 5.
(2) OJ No C 307, 14. 11. 1983, p. 116.
(3) OJ No C 341, 19. 12. 1983, p. 9.
(4) OJ No C 7, 29. 1. 1974, p. 2.
(5) OJ No L 16, 20. 1. 1971, p. 13.
(6) OJ No L 200, 8. 8. 1977, p. 4.
(7) OJ No L 72, 18. 3. 1980, p. 11.

Council in its resolution of 25 July 1983 on framework programmes for Community research, development and demonstration activities; and a first framework programme 1984 to 1987 (1);

Whereas, during the period 1984 to 1987, the Joint Research Council (JRC) must continue to play a central role in the Community's research strategy and to carry out work of common interest by drawing on a level of resources which is the equivalent of the present level;

Whereas, more generally, the JRC programme as a whole must be in keeping with the conclusions of the Council of 10 March 1983,

HAS DECIDED AS FOLLOWS:

Article 1

The research programme, hereinafter referred to as 'the programme', set out in Annex A is hereby adopted for a period of four years, starting on 1 January 1984.

Article 2

The expenditure commitment estimated as necessary for the execution of the programme should be 700 million ECU, including expenditure on a staff of 2 260. An indicative breakdown of this amount, consisting of approximately 400 million ECU for expenditure on staff and 300 million ECU for other expenditure, is given in Annex B.

Article 3

Appropriations earmarked for expenditure on staff shall be updated annually, as part of the budgetary procedure, in accordance with Council decisions on salaries and wages. In the case of other expenditure, the JRC Board of Governors shall each year assess the programme's financial requirements and its report shall be forwarded to the Council in the context of the budgetary procedure. If, after the initial years of the programme, the Board of Governors concludes that certain aspects have made it impossible to continue the programme for the whole of its duration, or that the programme requires substantial amendment, the Commission shall refer the matter to the Council in the third year of the programme so that it can decide either to revise the programme or to initiate a new multiannual programme.

Article 4

Termination-of-service measures designed to permit the introduction of new skills and a reduction in the average age of staff will be implemented as soon as the Council has approved the relevant Regulation. Throughout the duration of the programme, the cost of implementing these measures shall be included in the estimated overall cost of the programme.

Article 5

During the third year, the programme will be the subject of a review which may lead to a Council decision on a further four-year programme in accordance with the appropriate procedure.

Article 6

Dissemination of the information resulting from implementation of the non-nuclear parts of the programme shall be carried out in accordance with Council Regulation (EEC) No 2380/74 of 17 September 1974 adopting provisions for the dissemination of information relating to research programmes for the European Economic Community (2).

Article 7

The Commission, assisted by the JRC Board of Governors, shall be responsible for carrying out the programme and, to this end, shall call upon the services of the Joint Research Centre.

Article 8

Before the next proposal for a multiannual programme, the Commission shall submit to the Council and to the European Parliament a critical analysis carried out by independent experts of the programmes launched by the Joint Research Centre.

This analysis shall contain a quantitative and qualitative assessment of the results of the research.

In addition, the Commission shall each year prepare a report for the Council and the European Parliament on the execution of the programme.

Done at Brussels, 22 December 1983.

For the Council

The President

C. VAITSOS

(1) OJ No C 208, 4. 8. 1983, p. 1.

(2) OJ No L 255, 20. 9. 1974, p. 1.

ANNEX A

RESEARCH PROGRAMME (1984 TO 1987) OF THE JOINT RESEARCH CENTRE

RESEARCH ACTION PROGRAMME — INDUSTRIAL TECHNOLOGIES

Nuclear measurements and reference materials

— Nuclear measurements
— Reference materials

High-temperature materials

— Research on steels and alloys
— Research on sub-assemblies
— Research on ceramics
— Data bank on high-temperature materials
— Information centre on high-temperature materials

RESEARCH ACTION PROGRAMME — FUSION

Fusion technology and safety

— Studies in respect of reactors
— Technology of the breeding blanket
— Study on structural materials
— Risk assessment
— Studies concerning a tritium-handling laboratory

RESEARCH ACTION PROGRAMME — FISSION

Reactor safety

— Reliability and risk assessment
— Integrity of components and systems for light-water reactors
— Study on abnormal behaviour in core-cooling systems in light-water reactors
— Study on severely damaged fuel
— Construction models relating to accidents in fast reactors
— Study on the properties of materials and on the behaviour of structures in fast reactors
— Evaluation of a vibrating table

Management of radioactive waste

— Waste management and the fuel cycle
— Safety factors connected with the storage of waste in continental geological formations
— Feasibility and safety of storing waste in deep ocean sediments

Safeguarding and management of fissile materials

— Methods and instruments for the determination of fissile materials and for containment and monitoring
— Processing, transmission and evaluation of safeguards data
— Integration of safeguards activities

Nuclear fuels and actinides research

— Limits to the use of nuclear fuels
— Behaviour of oxide fuels under transitory conditions and release of fission products in the event of severe damage
— Safety of the actinide cycle
— Research on actinides

RESEARCH ACTION PROGRAMME — NON-NUCLEAR ENERGY SOURCES

Techniques for solar energy tests

— Photovoltaic systems
— Heat conversion

Management of energy in dwellings

— Evaluation of hybrid systems
— Passive technologies
— Energy audit

RESEARCH ACTION PROGRAMME — ENVIRONMENT

Environmental protection

— Chemical products in the environment
— Quality of the environment
— Energy and the environment

Application of remote-sensing techniques

— agriculture and soil management
— protection of the marine environment
— natural disasters

Industrial hazards

— accident prevention.
— accident management and control

ACTIVITIES OF SCIENTIFIC DEPARTMENTS

(Complementary programme)

Exploitation of the HFR reactor

Should the need arise : European research activities of particular significance (1)

---

(1) Implementation of the conclusions reached by the Council on 10 March 1983 with regard to European research activities of particular significance will be the subject of proposals which the Commission will present in good time to enable the Council to take a decision before the end of the first six months of 1984.

ANNEX B

INDICATIVE BREAKDOWN OF RESOURCES

(Appropriations in millions of ECU)

Programmes	Commitment appropriations
Industrial technologies	
— Nuclear measurements and reference materials	64
— High-temperature materials	28
Total	92
Fusion	
Fusion technology and safety	46,5 (1)
Total	46,5
Fission	
— Reactor safety	192 (2)
— Management of radioactive waste	49
— Safeguarding and management of fissile materials	45
— Nuclear fuels and actinides research	66
Total	352
Non-nuclear energy sources	
— Techniques for solar energy tests	22
— Management of energy in dwellings	17
Total	39
Environment	
— Environmental protection	49
— Application of remote-sensing techniques	29
— Industrial hazards	21
Total	99
Activities of scientific departments	
Exploitation of the HFR (complementary programme)	59 (3)
Total	59
Specific appropriations provided for European research activities of particular significance	12,5 (4)
Total	12,5
Total programme (1984 to 1987)	700 (5)

(1) Including an indicative sum of 500 000 ECU for studies concerning a tritium-handling laboratory.

(2) Including an indicative sum of 2 500 000 ECU to continue studies concerning a large capacity vibration table.

(3) The Member States' financial contributions for this complementary programme are included in the 700 million ECU, the breakdown being as follows:

Operation of the HFR reactor:

— Germany 50 %,

— Netherlands 50 %.

(4) Allocation of this amount of 12 500 000 ECU will be determined by a future decision of the Council.

(5) Non-programmed research is carried out within the overall level of resources of 700 million ECU. When the annual resources made available to the JRC to implement the programme are adequate to permit exploratory research of this kind, the nature of which has not yet been identified, a sum not exceeding 5 % of the total specific scientific appropriations can be entered for this purpose in Chapter 100 of the budget of the relevant year.