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Legislation

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II

(Acts whose publication is not obligatory)

COUNCIL

COUNCIL DECISION

of 22 August 1975

adopting an energy research and development programme

(75/510/EEC)

THE COUNCIL OF THE EUROPEAN COMMUNITIES,

Having regard to the Treaty establishing the European Economic Community, and in particular Article 235 thereof;

Having regard to the proposal from the Commission;

Having regard to the Opinion of the European Parliament ⁽¹⁾;

Having regard to the Opinion of the Economic and Social Committee;

Whereas Article 2 of the Treaty assigns to the Community the task of promoting throughout the Community a harmonious development of economic activities, a continuous and balanced expansion and an accelerated raising of the standard of living; whereas Article 3 of that Treaty defines the aims of Community action to these ends;

Whereas energy research and development is an important factor in achieving these objectives;

Whereas the research and development activities which form the subject of the Decision therefore seem necessary in order to achieve certain

Community objectives within the functioning of the common market;

Whereas the Treaty has not provided the powers necessary for these purposes;

Whereas the Council adopted the resolution concerning Community energy policy objectives for 1985 ⁽²⁾ on 17 December 1974;

Whereas the Council adopted the resolution on an initial outline programme of the European Communities in the field of science and technology ⁽³⁾ on 14 January 1974;

Having regard to the Opinion of the Scientific and Technical Research Committee (CREST),

HAS DECIDED AS FOLLOWS:

Article 1

An energy research and development programme for the European Economic Community is hereby adopted in the form set out in the Annex hereto for a four-year period starting on 1 July 1975. The Annex forms an integral part of this Decision.

⁽¹⁾ OJ No C 76, 7. 4. 1975, p. 28.

⁽²⁾ OJ No C 153, 9. 7. 1975, p. 1.

⁽³⁾ OJ No C 7, 29. 1. 1974, p. 6

Article 2

The upper limit for expenditure commitments and for staff necessary for the implementation of this programme shall be 59 million units of account and 27 employees respectively for the duration of the programme.

The unit of account is defined in Article 10 of the Financial Regulation of 25 April 1973 ⁽¹⁾ applicable to the general budget of the European Communities.

Article 3

The Commission shall be responsible for the implementation of this programme which shall be implemented in two stages. The first stage shall extend from 1 July 1975 until 31 December 1976 with an appropriation of 12 million units of account; the second shall extend from 1 January 1977 until 30 June 1979 with an appropriation of 47 million units of account. In the implementation of this programme the Commission shall be assisted by advisory committees on programme management set up for this purpose and shall keep the Scientific and Technical Research Committee (CREST) informed.

Article 4

The programme shall be reviewed at the end of the first year, after the Scientific and Technical Research

Committee (CREST) has delivered its Opinion, so that any amendments to the programme resulting from that review can be implemented by the beginning of 1977 at the latest.

As long as there has been no decision to review the programme, the projects undertaken will be continued within the limits of the resources made available.

Article 5

The information resulting from the implementation of the programme defined in the Annex shall be disseminated in accordance with Council Regulation (EEC) No 2380/74 ⁽²⁾ of 17 September 1974 adopting provisions for the dissemination of information relating to research programmes for the European Economic Community.

Done at Brussels, 22 August 1975.

For the Council

The President

M. RUMOR

⁽¹⁾ OJ No L 116, 1. 5. 1973, p. 1.

⁽²⁾ OJ No L 255, 20. 9. 1974, p. 1.

ANNEX

INDIRECT ACTION

ENERGY RESEARCH AND DEVELOPMENT PROGRAMME

The aims of the programme are as follows:

1. ENERGY CONSERVATION

A maximum of 11·380 million units of account and a staff of six shall be assigned to this objective.

This programme covers the following sectors:

- improved insulation of buildings,
- use of heat pumps,
- urban transport,
- residual heat recovery,
- materials recycling,
- production of energy from waste,
- evaluation of the specific energy consumption of equipment, processes and techniques,
- development of methods for storage of secondary energy.

This work shall be carried out under contract.

2. PRODUCTION AND UTILIZATION OF HYDROGEN

A maximum of 13·240 million units of account and a staff of four shall be assigned to this objective.

This programme comprises the following projects:

Project A: Thermochemical production of hydrogen

- Action:
1. Research into chemical and electrochemical reaction cycles of high potential efficiency in the conversion of heat energy into hydrogen energy;
 2. Practical experiments on promising cycles.

Project B: Electrolytic production of hydrogen

- Action:
1. Improvement of existing electrolytic production technology;
 2. Study of the viability and economics of high-temperature and high-pressure electrolysis.

Project C: Utilization of hydrogen

- Action:
1. Analysis of the potential applicability of hydrogen and of synthetic hydrogen-based fuels;
 2. Development of safety specifications for the handling of hydrogen;
 3. Improvement of the small-scale storage of hydrogen.

This work shall be carried out under contract.

3. SOLAR ENERGY

A maximum of 17·500 million units of account and a staff of six shall be assigned to this objective.

This programme comprises the following projects:

Project A: Solar heat collectors and their application to dwellings

- Action:
1. Low-temperature use of solar energy for heating and cooling buildings;
 2. Study of plane surface collectors;
 3. Pilot applications to dwellings for domestic use;

Project B: Self-contained generating sets for the production of mechanical and/or electrical power

- Action:
1. The use in medium and high temperature areas of solar heat to produce mechanical and/or electrical power;
 2. Improvement of low-power groups (1 + 10 kw);
 3. Pilot installation of 1 MWe.

Project C: Photovoltaic conversion

- Action:
1. Development of alternative cells and improvement of existing cells;
 2. Feasibility study on new concepts;
 3. New methods of preparing semiconductor materials;
 4. Silicon thin film;
 5. Automation of panel production.

Project D: Photochemical, photoelectrochemical and photobiological processes

- Action:
1. Basic studies on photochemical, photoelectrochemical and photobiological systems.

Project E: Photosynthetic production of organic matter

- Action:
1. Choice and development of the most suitable energy crops for the different regions of Europe.

Project F: Data network relating to solar radiation

- Action:
1. Collection, standardization and distribution of comprehensive data on number of hours of sunshine throughout the Community;
 2. Definition of the implications of the large-scale use of solar energy.

This work shall be carried out under contract.

4. GEOTHERMAL ENERGY

A maximum of 13·000 million units of account and a staff of four shall be assigned to this objective.

This programme comprises the following projects:

Project A: Acquisition and collation of existing and new geothermal data

- Action:
1. Collation of existing geothermal data;
 2. Acquisition and collation of new additional geothermal data.

Project B: Improvement of methods of exploration

- Action:
1. Improvement and/or adaptation of existing prospecting methods to specific geothermal requirements and development of new methods of prospecting and exploration.

Project C: Sources of hot water (low enthalpy)

- Action:
1. Compilation of geothermal models in regions concerned;
 2. Full-scale experimental verification of theoretical models (operation);
 3. Utilization tests on sources of hot water for district and agricultural heating.

Project D: Steam sources (high enthalpy) and hot rocks

- Action:
1. Construction of geothermal models in the areas concerned;
 2. Improvement of measuring and drilling techniques for experimental work at high temperatures;
 3. Stimulation of hot rocks to increase their permeability and extraction of heat from hot rocks.

Project E: Training of specialists

- Action:
1. Training courses and detachments.

This work shall be carried out under contract.

5. SYSTEMS ANALYSIS: DEVELOPMENT OF MODELS

A maximum of 3.880 million units of account and a staff of seven shall be assigned to this objective.

This programme comprises the following action:

- Action:
1. Static models (short term);
 2. Dynamic sector models (medium/long term).

This work shall be carried out under contract.

COUNCIL DECISION

of 25 August 1975

amending Decisions No 73/124/Euratom and No 73/177/Euratom adopting research and training programmes for the European Atomic Energy Community

(75/511/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 Opinion of the European Parliament ⁽¹⁾;

Whereas the Council adopted Decision No 73/124/Euratom ⁽²⁾ of 14 May 1973 adopting a research and training programme for the European Atomic Energy Community, and Decision No 73/177/Euratom ⁽³⁾ of 18 June 1973 adopting a research and training programme for the European Atomic Energy Community (direct projects);

Whereas Article 3 of the abovementioned Decisions provides for the review of the said programmes;

Whereas it therefore seems appropriate to review these programmes;

Whereas, in the context of the common policy on science and technology, the multiannual 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 DECIDED AS FOLLOWS:

Article 1

The Annexes to Decisions No 73/124/Euratom and No 73/177/Euratom shall, with effect from 1 April

1975, be replaced by the Annexes to this Decision. The Annexes shall form an integral part of this Decision.

Article 2

Article 2 of Decisions No 73/124/Euratom and No 73/177/Euratom shall be replaced by the following, with effect from 1 April 1975:

'The upper limit for expenditure commitments and for staff necessary for carrying out these programmes shall be 152·080 million units of account and 1 327 staff for the duration of the programme.

The allocation of funds and staff, and the establishment of the scales of financial contributions from the Member States for supplementary programmes, are shown in Annexes II and III respectively.

The unit of account is defined in Article 10 of the Financial Regulation of 25 April 1973 ⁽⁴⁾ applicable to the general budget of the European Communities.'

Article 3

Article 3 of Decisions No 73/124/Euratom and No 73/177 Euratom shall be replaced by the following, with effect from 1 April 1975:

'The programme defined in Annex I shall be subject to review at the beginning of 1976 in accordance with the appropriate procedures.'

Done at Brussels, 25 August 1975.

For the Council
The President
M. RUMOR

⁽¹⁾ OJ No C 95, 28. 4. 1975, p. 7.

⁽²⁾ OJ No L 153, 9. 6. 1973, p. 1.

⁽³⁾ OJ No L 189, 11. 7. 1973, p. 36.

⁽⁴⁾ OJ No L 116, 1. 5. 1973, p. 1.

ANNEX I

JOINT MULTIANNUAL RESEARCH AND TRAINING PROGRAMME AND
SUPPLEMENTARY MULTIANNUAL PROGRAMMES

DIRECT ACTIONS

1. HANDLING AND DISPOSAL OF WASTE

Joint programme

A maximum of 5.512 million units of account shall be allocated to this objective, the number of staff being fixed at 60 (including a programme staff of 32).

The objectives shall include:

- basic studies on the separation of fission products from irradiated fuel by the 'Saltex' process,
- studies and research on the chemical separation of actinides from high level radioactive waste,
- studies of physical measurements to determine the neutronic properties of actinides and studies to establish the optimum conditions for their consumption in reactors,
- activities concerning the processing of low-level radioactive waste and instrumentation for alpha-emitters.

These activities will be conducted for the most part by the Ispra Establishment.

2. PLUTONIUM AND TRANSPLUTONIUM ELEMENTS

(a) Joint programme

A maximum of 13.000 million units of account shall be allocated to this objective, the number of staff being fixed at 124 (including a programme staff of 63).

The research constituting the programme based on plutonium and its compounds shall deal with the following:

- phase diagrams, thermodynamic properties and structures of ceramic compounds of plutonium (carbides, nitrides and their combinations),
- energy transport processes (thermal conductivity and diffusibility),
- mechanical properties of ceramic compounds in their microscopic aspects and the effect of irradiation on these properties,
- processes and kinetics of material transport phenomena and the effect of irradiation thereon.

The irradiation required for these basic studies will take place in instrumented capsules.

In addition, certain studies will be carried out on determining the physical properties of certain very high purity actinides and their compounds.

(b) Supplementary programme

A maximum of 8.650 million units of account shall be allocated to this objective, the number of staff being fixed at 82 (including a programme staff of 42).

Research for the programme of applied studies will deal with the following:

- the study of the behaviour of advanced fuels in a fast reactor,
- the development of the manufacture of samples of materials of this kind for irradiation,
- the analysis of irradiated materials and fuels in existing power plants,
- work required by the projects.

These activities will be conducted at the European Institute for Transuranium Elements in Karlsruhe.

3. MATERIALS SCIENCE**Joint programme**

A maximum of 13.600 million units of account shall be allocated for this objective, the number of staff being fixed at 143 (including a programme staff of 79).

The objective shall include:

- studies of lattice defects,
- studies of surface reactions (particle/surface interaction),
- studies of mechanical behaviour, fractures of metals and composite materials (mechanical properties and structure, physical properties, plastic deformation and fracture),
- studies of the physical properties of materials at high temperatures (solid and liquid),
- studies of the effects of structural changes and crystalline imperfections on the properties of materials,
- studies of transport phenomena and structural behaviour in metals, polymers and other materials.

These activities will be conducted by the Ispra Establishment.

4. APPLICATION OF NUCLEAR ENERGY FOR PURPOSES OTHER THAN GENERATING ELECTRICITY (hydrogen production by decomposition of water on the basis of chemical cycles)**Joint programme**

A maximum of 7.040 million units of account and a staff of 69 (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 on the required materials,
- chemical engineering studies: preliminary definition of 'flowsheets', calculations for cycle optimization, 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 will be conducted by the Ispra Establishment.

5. REACTOR SAFETY

Joint programme

A maximum of 21.716 million units of account shall be allocated to this objective, the number of staff being fixed at 238 (including a programme staff of 122).

The objective shall include:

- engineering research associated with serious accidents and their prevention,
- research on thermohydraulic phenomena in the coolants associated with accidents,
- early failure detection,
- reliability studies,
- theoretical analysis of accidents.

These activities will be conducted by the Ispra Establishment.

6. APPLIED DATA PROCESSING

Joint programme

A maximum of 6.050 million units of account shall be allocated to this objective, the number of staff being fixed at 50 (including a programme staff of 31).

The objective shall include:

- computer programme library activities for the Community (collection, testing and analysis of computer programmes, consultation on their use),
- studies of an integrated system of documentation and automatic translation,
- assistance in computer systems and methods (Caronte modular system, special programming language for experimental mathematics).

These activities will be conducted by the Ispra Establishment.

7. INFORMATION ANALYSIS OFFICE

Joint programme

A maximum of 5.100 million units of account shall be allocated to this objective, the number of staff being fixed at 51 (including a programme staff of 27).

The objective shall include:

three units for the compilation, analysis and distribution of scientific and technical information in the following fields:

- shielding of nuclear reactor (ESIS),
- integrated nuclear data (INDAC),
- structural mechanics connected with reactor technology (ESMIS).

These activities will be conducted by the Ispra Establishment.

8. CENTRAL BUREAU FOR NUCLEAR MEASUREMENTS (CBNM)

Joint programme

A maximum of 20·350 million units of account shall be allocated to this objective, the number of staff being fixed at 167 (including a programme staff of 92).

The objective shall include:

- determination of basic neutron data,
- continuation of work on nuclear metrology (measurements of radioactive elements, measurements of the isotopic composition of elements by mass spectrometry, calibration and standardization of methods of dosimetry),
- the preparation and definition of nuclear reference samples and materials.

These activities will be the task of the Central Bureau for Nuclear Measurements at Geel.

9. TECHNICAL ASSISTANCE TO NUCLEAR POWER PLANT OPERATORS

Joint programme

A maximum of 6·100 million units of account shall be allocated for this objective, the number of staff being fixed at 56 (including a programme staff of 23).

The objective shall consist of technical support in the following fields:

- water chemistry,
- in-pile inspection and intervention,
- post-irradiation examination of fuel elements,
- methods of quality control for materials and components in stations, establishment of standard techniques, training of operators' staff.

These activities will be undertaken by the Ispra Establishment.

10. TRAINING

Joint programme

A maximum of 1·450 million units of account shall be allocated for this objective, the number of staff being fixed at 15 (including a programme staff of 10).

This objective includes three courses at technical standard, post-graduate or advanced and specialized level.

11. TRANSFER OF ISPRA I ACTIVITIES

Joint programme

A maximum of 0.902 million units of account shall be allocated to this objective.

The programme comprises:

- the closing-down of the reactor,
- the transfer of the Euracos converter to the Pavia reactor,
- the construction of a pneumatic irradiation plant, the installation thereof in the Essor reactor and the operation thereof.

12. TECHNICAL ASSESSMENTS IN SUPPORT OF COMMISSION ACTIVITIES

Joint programme

A maximum of 2.000 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 computers, studies of the results,
- forward studies of the foreseeable development of electronic components required for building computers and their peripheral equipment.

These activities will be conducted by the Ispra Establishment in cooperation with the relevant directorates-general.

13. CONTRACT RESEARCH

Joint programme

A maximum of 1.850 million units of account shall be allocated for this objective, the number of staff being fixed at 16 per year (including a programme staff of five per year).

This objective is intended to help make facilities or techniques available to outside parties for payment.

The staff carrying out these activities will be assigned to the Ispra Establishment.

14. MANAGEMENT AND COORDINATION

Joint programme

A maximum of 10.360 million units of account shall be allocated for these activities, the number of staff being fixed at 88.

This item covers the activities of general management, coordination and management of the Joint Research Centre programmes, some investments of a general nature, certain

programming activities and direct support to studies of thermonuclear reactors being carried out by study groups set up within 'Fusion' Associations.

15. CONTROL AND MANAGEMENT OF FISSILE MATERIALS

Supplementary programme

A maximum of 5·400 million units of account shall be allocated for this objective, the number of staff being fixed at 57 (including a programme staff of 27).

This objective includes:

- systems analysis,
- development of destructive and non-destructive methods,
- study of fool-proof sealing and identification techniques.

These activities will be carried out mainly by the Ispra Establishment, in cooperation with establishments in the Member States.

16. OPERATION OF THE HFR REACTOR

Supplementary programme

A maximum of 23·000 million units of account shall be allocated for this objective, the number of staff being fixed at 91 (including a programme staff of 46).

It covers operation of the reactor and the planning, execution and supervision of experiments for the benefit of the programmes of the participating States. Surplus capacity may be made available to outside parties for payment.

This objective will be carried out at the Petten Establishment.

ANNEX II

TABLE OF STAFF AND MAXIMUM EXPENDITURE

Objectives	Joint programme		Supplementary programme			Total (in million u.a.)	Total staff
	Amount (in million u.a.)	Staff	Amount (in million u.a.)	Staff	Participating countries		
DIRECT ACTION (JRC) NUCLEAR PROJECTS							
Handling and disposal of waste	5·512	60				5·512	60
Plutonium and transplutonium elements	13·000	124	8·650	82	B/D/F/ L/NL/DK/ Ih/UK	21·650	206
Materials science	13·600	143				13·600	143
Hydrogen production	7·040	69				7·040	69
Reactor safety	21·716	238				21·716	238
Applied data processing	6·050	50				6·050	50
Information analysis office	5·100	51				5·100	51
Central Bureau for Nuclear Measure- ments (CBNM)	20·350 ⁽¹⁾	167				20·350	167
Technical assistance to nuclear power plant operators	6·100	56				6·100	56
Training	1·450	15				1·450	15
Transfer of the activities of the Ispra I reactor	0·902	—				0·902	—
Technical assessments in support of Commission activities	2·000	20				2·000	20
Contract research	1·850	16				1·850	16
Management and coordination	10·360	88				10·360	88
Supervision and management of fissile materials			5·400	57	B/D/I/ L/NL/DK/ Ih/UK	5·400	57
Operation of the HFR reactor			23·000	91	D/N	23·000	91
Total	115·030	1 097	37·050	230		152·080	1 327

⁽¹⁾ Including certain investments.

ANNEX III

DEFINITION OF THE SCALES FOR FINANCIAL CONTRIBUTIONS FROM MEMBER STATES FOR THE EURATOM SUPPLEMENTARY RESEARCH AND INVESTMENT PROGRAMMES

I. SCALES BASED ON 'RELATIVE SHARES'

— Plutonium and trans-plutonium elements	{	The scale applied corresponds, for each financial year, to the scale resulting from the 'relative shares' for the year concerned, the 'relative share' of the participating Member States being increased in proportion to the 'relative share' of the Member State (or States) which does (or do) not participate in the programme in question, except that for the new Member States the reduction coefficients provided for in Article 130 of the Accession Treaty are to be applied
— Control and management of fissile materials		

II. FLAT-RATE SCALE

— Petten (HFR)	{	Germany Netherlands	}	100%
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COUNCIL DECISION

of 25 August 1975

adopting a research and training programme for the European Atomic Energy Community
in the field of high-temperature materials

(75/512/Euratom)

THE COUNCIL OF THE EUROPEAN COMMUNITIES,

HAS DECIDED AS FOLLOWS:

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 Opinion of the European Parliament ⁽¹⁾;

Whereas the Council adopted Decision No 73/124/Euratom ⁽²⁾ of 14 May 1973 adopting a research and training programme for the European Atomic Energy Community, and Decision No 73/177/Euratom ⁽³⁾ of 18 June 1973 adopting a research and training programme for the European Atomic Energy Community (direct projects);

Whereas it is useful to supplement them by a research and training programme on high-temperature materials;

Whereas in the context of the common policy on science and technology the multiannual 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,

Article 1

A research and training programme as set out in the Annex is hereby adopted for a period of two years from 1 January 1975. The Annex shall form an integral part of this Decision.

Article 2

The upper limit for expenditure commitments and for staff necessary for carrying out this programme shall be 3·600 million units of account and 50 staff for the duration of the programme.

The unit of account is defined in Article 10 of the Financial Regulation of 25 April 1973 ⁽⁴⁾ applicable to the general budget of the European Communities.

Article 3

The programme set out in the Annex shall be subject to review at the beginning of 1976 in accordance with the appropriate procedures.

Done at Brussels, 25 August 1975.

For the Council

The President

M. RUMOR

⁽¹⁾ OJ No C 95, 28. 4. 1975, p. 7.

⁽²⁾ OJ No L 153, 9. 6. 1973, p. 1.

⁽³⁾ OJ No L 189, 11. 7. 1973, p. 36.

⁽⁴⁾ OJ No L 116, 1. 5. 1973, p. 1.

ANNEX

DIRECT ACTIONS

NUCLEAR PROJECTS

HIGH-TEMPERATURE MATERIALS

Joint programme

A maximum of 3.600 million units of account shall be allocated to this objective, the number of staff being fixed at 50 (including a programme staff of 34).

This objective includes investigation aid and secretariat activities, basic research on refractory materials, applied research on materials for industrial applications at high temperatures, especially for the manufacture of circuit and heat exchanger components for new applications of high-temperature nuclear heat.

These activities will be conducted by the Petten Establishment.

COUNCIL DECISION

of 25 August 1975

amending Decision No 73/127/EEC adopting a research programme for the European Economic Community in the field of teledetection of earth resources

(75/513/EEC)

THE COUNCIL OF THE EUROPEAN COMMUNITIES,

Having regard to the Treaty establishing the European Economic Community, and in particular Articles 41 and 235 thereof;

Having regard to the proposal from the Commission;

Having regard to the Opinion of the European Parliament ⁽¹⁾;

Whereas Council Decision No 73/127/EEC ⁽²⁾ of 14 May 1973 adopting a research programme for the European Economic Community in the field of teledetection of earth resources, was adopted in accordance with Article 235 of the Treaty;

Whereas Article 4 of the abovementioned Decision provides for a review of the said programme;

Whereas it therefore seems appropriate to review this programme,

HAS DECIDED AS FOLLOWS:

Article 1

The Annex to Decision No 73/127/EEC shall, with effect from 1 April 1975, be replaced by the Annex

to this Decision. The Annex shall form an integral part of this Decision.

Article 2

Article 2 of Decision No 73/127/EEC shall be replaced by the following, with effect from 1 April 1975:

'The upper limit for expenditure commitments and for staff necessary for carrying out this programme shall be 1·420 million units of account and 19 staff.

The unit of account is defined in Article 10 of the Financial Regulation of 25 April 1973 ⁽³⁾ applicable to the general budget of the European Communities.'

Article 3

Article 4 of Decision No 73/127/EEC shall be replaced by the following, with effect from 1 April 1975:

'The programme defined in the Annex shall be subject to review at the beginning of 1976 in accordance with the appropriate procedures.'

Done at Brussels, 25 August 1975.

For the Council
The President
M. RUMOR

⁽¹⁾ OJ No C 95, 28. 4. 1975, p. 7.

⁽²⁾ OJ No L 153, 9. 6. 1973, p. 13.

⁽³⁾ OJ No L 116, 1. 5. 1973, p. 1.

ANNEX**DIRECT ACTIONS****NON-NUCLEAR PROJECTS****TELEDETECTION OF EARTH RESOURCES****Joint programme**

A maximum amount of 1.420 million units of account shall be allocated to this objective, the number of staff being fixed at 19 (including a programme staff of 8).

The objective shall comprise direct support for the departments of the Commission. A pilot experiment on irrigated fields and different types of forest shall be carried out with a view to establishing a technique enabling production inventories and assessments to be made on the basis of aerial and spatial observations.

These activities will be carried out by the Ispra Establishment in conjunction with the directorates-general concerned.

COUNCIL DECISION

of 25 August 1975

amending Decisions No 73/126/EEC and No 73/174/EEC adopting research programmes
for the European Economic Community on the protection of the environment

(75/514/EEC)

THE COUNCIL OF THE EUROPEAN COMMUNITIES,

Having regard to the Treaty establishing the
European Economic Community, and in particular
Article 235 thereof;

Having regard to the proposal from the Commission;

Having regard to the Opinion of the European
Parliament ⁽¹⁾;

Whereas Council Decision No 73/126/EEC ⁽²⁾ of
14 May 1973 adopting a research programme for the
European Economic Community on the protection
of the environment, and Council Decision No 73/
174/EEC ⁽³⁾ of 18 June 1973 adopting a research
programme for the European Economic Community
on the protection of the environment (direct project),
were adopted in accordance with Article 235 of the
Treaty;

Whereas Article 4 of the abovementioned Decisions
provides for a review of the said programmes;

Whereas it therefore seems appropriate to review
these programmes,

HAS DECIDED AS FOLLOWS:

Article 1

The Annexes to Decisions No 73/126/EEC and No
73/174/EEC shall, with effect from 1 April 1975, be
replaced by the Annex to this Decision. The Annex
shall form an integral part of this Decision.

Article 2

Article 2 of Decisions No 73/126/EEC and No 73/
174/EEC shall be replaced by the following, with
effect from 1 April 1975:

'The upper limit for expenditure commitments
and for staff necessary for carrying out this
programme shall be 15·850 million units of
account and 171 staff.

The unit of account is defined in Article 10 of
the Financial Regulation of 25 April 1973 ⁽⁴⁾
applicable to the general budget of the European
Communities.'

Article 3

Article 4 of Decisions No 73/126/EEC and No 73/
174/EEC shall be replaced by the following, with
effect from 1 April 1975:

'The programme defined in the Annex shall be
subject to review at the beginning of 1976 in
accordance with the appropriate procedures.'

Done at Brussels, 25 August 1975.

*For the Council**The President*

M. RUMOR

⁽¹⁾ OJ No C 95, 28. 4. 1975, p. 7.

⁽²⁾ OJ No L 153, 9. 6. 1973, p. 11.

⁽³⁾ OJ No L 189, 11. 7. 1973, p. 30.

⁽⁴⁾ OJ No L 116, 1. 5. 1973, p. 1.

ANNEX

DIRECT ACTIONS

NON-NUCLEAR PROJECTS

ENVIRONMENTAL PROTECTION

Joint programme

A maximum of 15.850 million units of account shall be allocated to this objective, the number of staff being fixed at 171 (including a programme staff of 93).

The objective shall include:

- analysis and supervision (particularly the development of a multidetection unit; studies on teledetection and measurement of pollutants; creation of a data bank for chemicals),
- spread and effect of pollutants (in particular studies of biological indicators of water pollution, genetic toxicity and bio-telemetry of subacute toxic effects on laboratory animals),
- model and systems analysis of the process of eutrophication of an alpine lake and of atmospheric pollution,
- theoretical studies on thermal pollution and the purification of water by means of catalytic oxidation,
- optimization of the operation of the data bank on chemical products in the environment,
- definition of criteria of compatibility of new industrial products with the environment (environment 'label', evaluation and technical tests),
- study of the thermal balance in an urban system.

These activities will be carried out by the Ispra Establishment.

COUNCIL DECISION

of 25 August 1975

amending Decisions No 73/125/EEC and No 73/175/EEC adopting research programmes for the European Economic Community in the field of standards and reference substances (certified reference substances)

(75/515/EEC)

THE COUNCIL OF THE EUROPEAN COMMUNITIES,

Having regard to the Treaty establishing the European Economic Community, and in particular Article 235 thereof;

Having regard to the proposal from the Commission;

Having regard to the Opinion of the European Parliament ⁽¹⁾;

Whereas Decisions No 73/125/EEC ⁽²⁾ and No 73/175/EEC ⁽³⁾ adopting research programmes for the European Economic Community in the field of standards and reference substances (certified reference substances) were adopted by the Council on 14 May and 18 June 1973 respectively in accordance with Article 235 of the Treaty;

Whereas Article 4 of the abovementioned Decisions provides for a review of the said programmes;

Whereas it therefore seems appropriate to review these programmes,

HAS DECIDED AS FOLLOWS:

Article 1

The Annexes to Decisions No 73/125/EEC and No 73/175/EEC shall, with effect from 1 April 1975, be

replaced by the Annex to this Decision. The Annex shall form an integral part of this Decision.

Article 2

Article 2 of Decisions No 73/125/EEC and No 73/175/EEC shall be replaced by the following, with effect from 1 April 1975:

'The upper limit for expenditure commitments and for staff necessary for carrying out this programme shall be 6·200 million units of account, and 71 staff.

The unit of account is defined in Article 10 of the Financial Regulation of 25 April 1973 ⁽⁴⁾ applicable to the general budget of the European Communities.'

Article 3

Article 4 of Decisions No 73/125/EEC and No 73/175/EEC shall be replaced by the following, with effect from 1 April 1975:

'The programme defined in the Annex shall be subject to review at the beginning of 1976 in accordance with the appropriate procedures.'

Done at Brussels, 25 August 1975.

*For the Council**The President*

M. RUMOR

⁽¹⁾ OJ No C 95, 28. 4. 1975, p. 7.

⁽²⁾ OJ No L 153, 9. 6. 1973, p. 9.

⁽³⁾ OJ No L 189, 11. 7. 1973, p. 32.

⁽⁴⁾ OJ No L 116, 1. 5. 1973, p. 1.

ANNEX

DIRECT ACTIONS

NON-NUCLEAR PROJECTS

STANDARDS AND REFERENCE SUBSTANCES

(CERTIFIED REFERENCE SUBSTANCES)

Joint programme

A maximum of 6·200 million units of account shall be allocated to this objective, the number of staff being fixed at 71 (including a programme staff of 39).

The objective shall include:

- technical assistance to the project secretariat: inquiry into the needs of and situation in the Community in this field, dissemination of information and processing of data,
- experimental work (chemical analysis, physical and technological properties of reference substances) in laboratories participating in the project,
- technical assistance to the Commission (elimination of technical obstacles, Common Customs Tariff, etc.),
- technical assistance for Community projects connected with the elimination of technical barriers and the administration of the Common Customs Tariff,
- experimental work on reference substances and methods (physical and technological properties).

The corresponding experimental work will be carried out, for the time being, by the Ispra Establishment.

COUNCIL DECISION

of 25 August 1975

adopting a research programme for the European Community in the field of standards
and reference substances (certified reference substances)

(75/516/EEC)

THE COUNCIL OF THE EUROPEAN COMMUNITIES,

Having regard to the Treaty establishing the European Economic Community, and in particular Article 235 thereof;

Having regard to the proposal from the Commission;

Having regard to the Opinion of the European Parliament ⁽¹⁾;

Whereas Decisions No 73/125/EEC ⁽²⁾ and No 73/175/EEC ⁽³⁾ adopting research programmes for the European Economic Community in the field of standards and reference substances (certified reference substances) were adopted by the Council on 14 May and 18 June 1973 respectively in accordance with Article 235 of the Treaty;

Whereas it is appropriate to supplement these programmes by a research programme on organic products;

Whereas, pursuant to Article 3 (a) and (h) of the Treaty establishing the European Economic Community, the activities of the Community shall include especially the elimination, as between Member States, of quantitative restrictions on the import and export of goods, and of all other measures having equivalent effect, together with the approximation of the laws of the Member States to the extent required for the proper functioning of the common market;

Whereas the research projects which are the subject of this Decision are likely to make an effective contribution to the achievement of these objectives;

Whereas the Treaty makes no provision for the powers required for these purposes,

HAS DECIDED AS FOLLOWS:

Article 1

A research programme for the European Economic Community in respect of standards and reference substances (certified reference substances) as set out

in the Annex to this Decision is hereby adopted for a period of two years beginning on 1 January 1975. The Annex shall form an integral part of this Decision.

Article 2

The upper limit for expenditure commitment and for staff necessary for carrying out this programme shall be 1.360 million units of account, and 20 staff.

The unit of account is defined in Article 10 of the Financial Regulation of 25 April 1973 ⁽⁴⁾ applicable to the general budget for the European Communities.

Article 3

The Commission shall be responsible for the implementation of this programme and, to that end, shall avail itself of the facilities of the Joint Research Centre. It shall submit an annual report to the Council on this subject.

Article 4

The programme defined in the Annex shall be subject to review at the beginning of 1976 in accordance with the appropriate procedures.

Article 5

The information resulting from the implementation of the programme defined in the Annex shall be disseminated in accordance with Council Regulation (EEC) No 2380/74 ⁽⁵⁾ of 17 September 1974 adopting provisions for the dissemination of information relating to research programmes for the European Economic Community.

Done at Brussels, 25 August 1975.

*For the Council**The President*

M. RUMOR

⁽¹⁾ OJ No C 95, 28. 4. 1975, p. 7.

⁽²⁾ OJ No L 153, 9. 6. 1973, p. 9.

⁽³⁾ OJ No L 189, 11. 7. 1973, p. 32.

⁽⁴⁾ OJ No L 116, 1. 5. 1973, p. 1.

⁽⁵⁾ OJ No L 255, 20. 9. 1974, p. 1.

ANNEX

DIRECT ACTIONS

NON-NUCLEAR PROJECTS

STANDARDS AND REFERENCE SUBSTANCES

(CERTIFIED REFERENCE SUBSTANCES)

Joint programme

A maximum of 1.360 million units of account shall be allocated to this objective, the number of staff being fixed at 20 (including a programme staff of 10).

The objective shall include:

- technical assistance to the project secretariat in the organic products sector,
- experimental work (organic analysis) in the laboratories participating in the project,
- technical assistance to the Commission (elimination of technical obstacles, Common Customs Tariff, etc.),
- experimental work on reference substances and methods in the organic products sector.

The corresponding work will be carried out by the Petten Establishment.

COUNCIL DECISION

of 25 August 1975

amending Decision No 73/176/EEC adopting a programme of research in new technologies
for the European Economic Community (use of solar energy
and recycling of raw materials)

(75/517/EEC)

THE COUNCIL OF THE EUROPEAN COMMUNITIES,

Having regard to the Treaty establishing the European Economic Community, and in particular Article 235 thereof;

Having regard to the proposal from the Commission;

Having regard to the Opinion of the European Parliament ⁽¹⁾;

Whereas Council Decision No 73/176/EEC ⁽²⁾ of 18 June 1973 adopting a programme of research in new technologies for the European Economic Community (use of solar energy and recycling of raw materials), was adopted in accordance with Article 235 of the Treaty;

Whereas Article 4 of the abovementioned Decision provides for a review of this programme;

Whereas it therefore seems appropriate to review this programme,

HAS DECIDED AS FOLLOWS:

Article 1

The Annex to Decision No 73/176/EEC shall, with effect from 1 April 1975, be replaced by the Annex to this Decision. The Annex shall form an integral part of this Decision.

Article 2

Article 2 of Decision No 73/176/EEC shall be replaced by the following, with effect from 1 April 1975:

'The upper limit for expenditure commitments and for staff required for carrying out this programme shall be 3.050 million units of account and 33 staff.

The unit of account is defined in Article 10 of the Financial Regulation of 25 April 1973 ⁽³⁾ applicable to the general budget of the European Communities.'

Article 3

Article 4 of Decision No 73/176/EEC shall be replaced by the following, with effect from 1 April 1975:

'The programme defined in the Annex shall be subject to review at the beginning of 1976 in accordance with the appropriate procedures.'

Done at Brussels, 25 August 1975.

For the Council
The President
M. RUMOR

⁽¹⁾ OJ No C 95, 28. 4. 1975, p. 7.

⁽²⁾ OJ No L 189, 11. 7. 1973, p. 34.

⁽³⁾ OJ No L 116, 1. 5. 1973, p. 1.

ANNEX

DIRECT ACTIONS

NON-NUCLEAR PROJECTS

NEW TECHNOLOGIES

(USE OF SOLAR ENERGY AND RECYCLING OF RAW MATERIALS)

Joint programme

A maximum of 3·050 million units of account, and a staff of 33 (including a programme staff of 15), shall be allocated to this objective.

The initial phase will be devoted to the preparation of a detailed programme. The objective shall include:

Use for solar energy

- bibliographical research and technical and economic evaluation of the various concepts for the collection and storage of solar energy,
- studies and measurements in the field of heat pipes and selective surfaces,
- technico-economic and feasibility studies of self-contained units of 1 to 10 kW,
- studies and assessments on photolysis and thermodissociation of water, and biological conversion.

Recycling of raw materials

- general study of strategies (statistical studies of long-term trends, studies of the utilization cycle of materials),
- special studies on technical and/or technico-economic evaluations concerning:
 - the pyrolysis of plastics,
 - the separation of strongly-bound alloy waste,
 - other subjects which might arise during the general studies.

These activities will be conducted by the Ispra Establishment.

COUNCIL DECISION

of 25 August 1975

amending Decision No 73/180/EEC adopting a European Economic Community research programme for the protection of the environment (indirect project)

(75/518/EEC)

THE COUNCIL OF THE EUROPEAN COMMUNITIES,

Having regard to the Treaty establishing the European Economic Community, and in particular Article 235 thereof;

Having regard to the proposal from the Commission;

Having regard to the Opinion of the European Parliament ⁽¹⁾;

Whereas Council Decision No 73/180/EEC ⁽²⁾ of 18 June 1973 adopting a research programme for the European Economic Community on the protection of the environment (indirect project), was adopted in accordance with Article 235 of the Treaty;

Whereas Article 4 of the abovementioned Decision provides for a review of this programme;

Whereas it therefore seems appropriate to review this programme;

Whereas the Treaty makes no provision for the powers required for these purposes,

HAS DECIDED AS FOLLOWS:

Article 1

The Annex to Decision No 73/180/EEC shall, with effect from 1 May 1974, be replaced by the Annex to this Decision. The Annex shall form an integral part of this Decision.

Article 2

Article 2 of Decision No 73/180/EEC shall be replaced by the following, with effect from 1 May 1974:

'The upper limit for expenditure commitments and staff necessary for carrying out this programme shall be 6·300 million units of account and eight staff.

The unit of account is defined in Article 10 of the Financial Regulation of 25 April 1973 ⁽³⁾ applicable to the general budget of the European Communities.'

Article 3

Article 4 of Decision No 73/180/EEC shall be replaced by the following, with effect from 1 May 1974:

'The programme set out in the Annex shall be subject to annual review in accordance with the appropriate procedures.'

Article 4

Article 5 of Decision No 73/180/EEC shall be replaced by the following, with effect from 1 May 1974:

'The information resulting from the implementation of the programme defined in the Annex shall be disseminated in accordance with Council Regulation (EEC) No 2380/74 ⁽⁴⁾ of 17 September 1974 adopting provisions for the dissemination of information relating to research programmes for the European Economic Community.'

Done at Brussels, 25 August 1975.

For the Council

The President

M. RUMOR

⁽¹⁾ OJ No C 93, 7. 8. 1974, p. 85.

⁽²⁾ OJ No L 189, 11. 7. 1973, p. 43.

⁽³⁾ OJ No L 116, 1. 5. 1973, p. 1.

⁽⁴⁾ OJ No L 255, 20. 9. 1974, p. 1.

*ANNEX***INDIRECT ACTIONS****NON-NUCLEAR PROJECTS****PROTECTION OF THE ENVIRONMENT****POLLUTION AND NUISANCES****Joint programme**

A maximum amount of 6.300 million units of account and a staff of eight shall be allocated to this objective.

The objective shall deal with the following subjects:

- (a) setting up a data bank on chemical products likely to contaminate the environment;
- (b) harmful effects of lead;
- (c) epidemiological surveys of the effects of air and water pollution;
- (d) effects of micro-pollutants on man;
- (e) assessment of the ecological effects of water pollutants;
- (f) teledetection of atmospheric pollution.

Surveys and laboratory work will be carried out under contract.
