

II

(Acts whose publication is not obligatory)

COUNCIL

COUNCIL DECISION

of 12 December 1983

amending Decision 82/402/EEC adopting a research and development programme (1982 to 1985) in the raw materials sector

(83/634/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 ⁽¹⁾,

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

Whereas, by Decision 79/968/EEC ⁽³⁾, the Council adopted, for a period of four years with effect from 1 November 1979, a research and development programme for the European Economic Community in the field of the recycling of urban and industrial waste (secondary raw materials);

Whereas, by Decision 82/402/EEC ⁽⁴⁾, the Council adopted, for a period of four years with effect from 1 January 1982, a research and development programme in the raw materials sector which includes the programme for the recycling of urban and industrial waste already under way and due to end on 31 October 1983, set out in section B of the Annex thereto;

Whereas it is desirable that the programme for the recycling of urban and industrial waste be extended to 31 December 1985 in order to complete the research

in progress; whereas for this purpose it should be merged with the sub-programme on the recycling of non-ferrous metals forming part of the programme in the raw materials sector;

Whereas the Scientific and Technical Research Committee (CREST) has given its opinion on the Commission proposal,

HAS DECIDED AS FOLLOWS:

Article 1

Decision 82/402/EEC is hereby amended as follows:

1. The following point (d) is added to Article 3:

‘(d) the “Urban and Industrial Waste Recycling” Advisory Committee on Programme Management, set up by Decision 79/968/EEC, shall remain active from 1 November 1983 to 31 December 1985 for research topics 4 to 7 of the “Recycling of non-ferrous metals and urban and industrial waste” sub-programme.’

2. In section A of the Annex:

— the title of the sub-programme ‘III. Recycling of non-ferrous metals’, which appears at the beginning of that section, is replaced by ‘III. Recycling of non-ferrous metals and urban and industrial waste’,

— the text of the sub-programme referred to above is replaced by that appearing in the Annex to this Decision.

⁽¹⁾ OJ No C 272, 11. 10. 1983, p. 5.

⁽²⁾ OJ No C 342, 19. 12. 1983, p. 118.

⁽³⁾ OJ No L 293, 20. 11. 1979, p. 19.

⁽⁴⁾ OJ No L 174, 21. 6. 1982, p. 23.

3. Section B II of the Annex shall be deleted.

topics 4 to 7 of the 'Recycling of non-ferrous metals and urban and industrial waste' sub-programme.

Article 2

Done at Brussels, 12 December 1983.

The remaining appropriations for the programme on the 'Recycling of urban and industrial waste' shall be allocated to the continuation of work on research

For the Council

The President

C. SIMITIS

ANNEX

III. RECYCLING OF NON-FERROUS METALS AND URBAN AND INDUSTRIAL WASTE

An amount of 6 500 000 ECU is allocated to this sub-programme. It covers the following research areas :

	<i>Indirect action</i>	<i>Coordinated action</i>
1. Collection and characterization of non-ferrous metals scrap and waste	—	×
2. Physical processing of non-ferrous metals scrap and waste		
2.1. Mechanical processes		
— selective grinding and shredding	—	×
— optimization of these techniques with respect to energy consumption	×	×
2.2. Physical processes		
— advanced gravimetric processes using magnetic fluids	×	×
— advanced methods of electronic separation	×	×
— advanced processes using eddy currents	—	×
— advanced dry gravimetric processes (fluidized beds)	—	×
— new flotation techniques	—	×
3. Metallurgical processing of non-ferrous scrap and waste		
3.1. Physical separation of charges for pyrometallurgical and hydrometallurgical processes		×
3.2. Hydrometallurgical processes		
3.2.1. Leaching	—	×
3.2.2. Purification of solutions and extraction of non-ferrous metals from solutions	×	×
3.2.3. Direct hydrometallurgical processing of sludges containing non-ferrous metals	×	×
3.3. High-temperature pyrometallurgical processes		
3.3.1. High-temperature pre-treatment to separate metals from non-metallic components	—	×
3.3.2. Fusion processes	—	×
3.3.3. High-temperature processes based on the formation of a gaseous phase	—	×
3.4. Secondary metals refining — molten salt electrolysis	×	×
Technico-economic studies		office studies

AS FROM 1 NOVEMBER 1983

4. Sorting of household waste		
4.1. Assessment of waste sorting projects	—	×
4.2. Methods for sampling and analysis of household waste	—	×
4.3. Evaluation of health hazards	—	×
4.4. Technology for the sorting of bulk waste	×	×
4.5. Materials recovery		
— paper	×	×
— plastics	×	×
— non-ferrous metals	—	×
4.6. Energy recovery	×	×
4.7. New collection and transport systems	—	×

	<i>Indirect action</i>	<i>Coordinated action</i>
5. Thermal treatment of waste		
5.1. Firing of waste-derived fuel		(see topic 4.6)
5.2. Pyrolysis and gasification	x	x
5.3. Recovery of metal and glass from residue	—	x
6. Fermentation and hydrolysis		
6.1. Anaerobic digestion	x	x
6.2. Carbohydrate hydrolysis	x	x
6.3. Composting	—	x
7. Recovery of rubber waste		
7.1. Retreading	—	x
7.2. Size reduction	—	x
7.3. Reclaiming and recycling of rubber powder	—	x
7.4. Pyrolysis	—	x
