

<b>NEIMME/EUR - European Commission Reports</b>				
<b>Code</b>	<b>Title (245)</b>	<b>Author 245c</b>	<b>Date of publication (260c)</b>	<b>Notes</b>
EUR4641	Recherche charbonniere application a la technique miniere base pour nouveaux produits		1971	Journées d'Information. Luxembourg 8-9 Dec 1970
EUR5172	Chimie et physique des charbons et des coques		1974	
EUR5623	Review of technological requirements for high-temperature materials R&D		1976	
EUR5692	Chemical and physical valorisation of coal, Round table discussion		1977	
EUR5819	Development of a method of measuring coke texture	B. C. R. A Chesterfield	1977	Contract No. 6220-EB/8/802 Final Report
EUR5820	The charging of preheated coal	B. C. R. A Chesterfield	1977	Contract No. 6220-EB/8/803 Final Report
EUR5822	The preparation and preheating of coking blends	National Coal Board, London	1977	Contact No. 6220-72/8/801 Final Report
EUR5847	Beneficiation and utilisation of colliery (washery) tailings	National Coal Board, London	1977	Contact No. 6220-73/8/804 Final Report
EUR5931	Health in mines, Synthesis report on research in the third programme 1971-1976	Dr.-Ing. Hans Breuer	1978	
EUR5954	Chemical and physical valorisation of coal, Round table meeting		1978	
EUR5968	Study on the blast-furnace coke grades used in the European Community		1978	
EUR5986	A study of the relationship between the properties of the constituents of coke-oven blends and the size and strength of the coke product	National Coal Board, London	1978	Contract No. 6220/EB/8/801 Final Report
EUR6067	Measurement and control of air pollution at coking plants	N.C.B London	1978	Contract No. 6220/EB/8/804 Final Report
EUR6072	Production, preparation and utilization of gases from coal	N.C.B London	1978	Contract No. 6220-EC/8/801 Final Report

EUR6073	Benificiation of coal by conversion to hydrocarbons	N.C.B London	1978	Contract No. 6220-EC/8/802 Final Report
EUR6074	Improved industrial appliances for coal	N.C.B London	1978	Contract No. 6220-EC/8/803 Final Report
EUR6075	Chemical and physical valorization of coal, Round table meeting		1978	
EUR6085	Seminar on hydrogen as an energy vector: its production, use and transportation		1978	
EUR6252	Conversion of coal into raw materials for the chemical industry by the study of high intensity chemical reactions	Coal Research Establishment - NCB	1979	Contract No. 6220-EN/8/804 Final Report
EUR6254	Automation and computer control of coal preparation plants	Mining research and Development Establishment -NCB	1979	Contract No. 6220-EA/8/802 Final Report
EUR6306	Coke oven techniques, Round table meeting		1979	
EUR6446	Further developments in measuring coke texture	BCRA Chesterfield	1979	Contract No. 6220-EB/806 Rapport Final
EUR6450 FR	Utilisation des charbons actifs pour l'epuration d'effluents gazeux industriels (Using activated carbons to purify industrial waste gases)	Cerchar, Paris	1979	Contract No. 6220-EC/3/302 Final Report
EUR6543	Aromatization of coal-derived raw materials	CRE, Stoke orchard	1979	Contract No. 7220-EB/809 Final Report
EUR6455	Utilization of colliery (washery) tailings	CRE, Stoke orchard	1978	Contract No. 7220-EC/811 Final Report
EUR6456	Conversion of coal to liquid products using supercritical extraction	CRE, Stoke orchard	1979	Contract No. 6220-EC/8/805 Final Report
EUR6466	New coal upgrading processes Volume 1		1979	
EUR6466	New coal upgrading processes Volume 2		1979	
EUR6576	Chemical and physical valorization of coal, Round table meeting		1979	
EUR6610	Crucial choices for the energy transition, An initial evaluation of some energy R & D strategies for the European Communities		1980	
EUR6688	Carbonization of blends in tall ovens	BCRA Chesterfield	1980	Contract No. 6220-EB/805 Final Report

EUR6682	Extraction of fine particles from raw coal	NCB London	1980	Contract No. 6220-EA/8/801 Final Report
EUR6919	Inventory of on-going high temperature materials research activities in Europe, section 1: corrosion	B. Bathe	1981	
EUR6919	High temperature corrosion research in Europe an interim survey	R. Krefeld	1980	
EUR6998	Mobilization of heavy metals from fossil-fuelled power plants, potential ecological and biochemical implications	E. Sabbioni and L. Gotez	1983	
EUR7179	Relationship between properties of coke oven blends and coke product	NCB London	1981	Contract No. 7220-EB/810 Final Report
EUR7180	Preheating oven charges to extend the range of coals carbonised and to improve coke quality	NCB London	1981	Contract No. 7220-EB/808 Final Report
EUR7186 FR	Formation des oxydes d'azote dans les flammes de charbon pulverise Denitration des fumees de combustion (Formation of nitrogen oxide in the flames of pulverised fuel, Denitrification of combustion fumes)	Cerchar, Paris	1981	Contract No. 6220-EC/3/304 Rapport Final
EUR7254	Hydrogen production, energy storage and transport. 1980 annual status report		1980	
EUR7411	Improved industrial appliances for coal	NCB London	1981	Contract No. 7220-EC/815 Final Report
EUR7633	Chemical and physical valorisation of coal, Round table meeting		1982	
EUR7633	Chemical and physical valorization of coal, Round table meeting		1980	
EUR7866	Analysis of polycyclic aromatic hydrocarbons	J. W. Betts	1982	Contract No. 7220-EB/812 Final Report
EUR7661	Non-fossil derived hydrogen in coal conversion processes: a further study	D. Merrick, M. Smith and G. Rasmussen	1982	Contract No. 705-79/EHUK Final Report
EUR7867 FR	Procedes nouveaux d'obtention de composes chimiques industriels a partir de sous-produits formes dans les procedes de gazeification et de cokefaction des carbons (New methods for obtaining industrial chemical compounds from the by-products of coal gasification and carbonization processes)	R. Cypres	1982	Contract No. 7220-EC/201 Rapport Final
EUR7938	A technico-economic analysis of large scale uses of oxygen	A. C. C. Tseung, H. C. Chan and D.B. Hibbert	1982	Contract No. 506-78/EHUK

EUR8054	Synopsis of results of the first programme on the production and utilization of hydrogen within the Commission of the European Communities	G. Imarisio and J. C. Toussaint	1982	
EUR8065 DE	Verkokung thermisch vorbehandelter Kohle mit Pechzusatz (Carbonisation of the thermal pretreated coal with addition of tar)	D. Habermehl	1982	Contract No. 7220-EB/110
EUR8125 FR	Retrait lateral de la charge et pousse sur les piedroits des fours a coke (Lateral shrinkage of the charge and effects of expansion on coke oven walls)	Cherchar, Paris	1982	Contract No. 7220-EB/311 Rapport Final
EUR8381 DE	Bestimmung der koksfestigkeit nach reaktion mit CO2	F. Orywal, G. Pollert and P. Arendt	1983	Contract No. 7220-EB/113
EUR8382	Chemical refining of coal	NCB London	1983	Contract No. 7220-EC/816 Final Report
EUR8508	Chemical and physical valorisation of coal, Round table meeting		1983	
EUR8508	Chemical and physical valorization of coal, Round table meeting		1983	
EUR8524	Hydrogen production, energy storage and transport. 1982 annual status report		1982	
EUR8661	Energy conservation, The community's second energy R&D Programme (1979-1983)	P. Zegers and P. A. Pilavachi	1983	
EUR8684	Acid rain, A review of the phenomenon in the EEC and Europe	Environmental resources limited	1983	
EUR8703	The degradation of coke in the blast furnace Part 1	R. R. Willmers, J. R. Monson and H. C. Wilkinson	1984	Contract No. 7210-AA/801/802 Final Report
EUR8851	Long term European investment in energy R&D	E. Hopfinger	1983	Contract No. EM2-041-1D(B)
EUR8880	Recovery of energy by fludised combustion of waste material arising from coal mining and coal processing	NCB, Coal Research Establishment, Gloucestershire	1984	Contract No. 7220-EC/819 Final Report
EUR9012 FR	Caracterisation des cokes de hauts fourneaux (Analysis of blast furnace cokes)	Centre d'Etudes et Recherches des Charbonnages de France	1984	Contract No. 7220-EB/314 Rapport Final

EUR9013	Bulk reactivity of coke	NCB, Coal Research Establishment, Gloucestershire	1984	Contract No. 7220-EB/816 Final Report
EUR9027	Hydrogen production, energy storage and transport		1983	
EUR9045	Studies of the mechanical and chemical properties of coke at high temperature	British Carbonization Research Association	1984	Contract No. 7220-EB/818 Final Report
EUR9055	Studies of the constitution and quality of coal tar binder pitch and refined tar in relation to commercial usage	NCB	1983	Contract No. 7220-EB/819 Final Report
EUR9056 FR	Production d'hydrocarbures par pyrolyse des charbons sous pression et en presence de gaz reactifs, au cours de leur devolatisation primaire. Valorisation de ces hydrocarbures et des cokes residuels	R. Cypres	1984	Contract No. 7220-EC/202 Rapport Final
EUR9057	Production of steam for electricity generation of other purposes using fluidised bed combustion techniques when applied to a high sulphur anthracite	M. J. Pomery and P. O'Brien	1984	Contract No. 7220-EC/882 Final Report
EUR9058	The preparation of slag from shale	NCB, Coal Research Establishment, Gloucestershire	1984	Contract No. 7220-EC/818 Final Report
EUR9118	Chemical and physical valorization of coal, Round table meeting		1984	
EUR9182	Coal conversion processes and their materials requirements, A review of developments and future directions	J. B. Marriott, M. van de Voorde and W. Betteridge	1984	
EUR9280	To investigate methods of recovery, treatment and utilization of solids-bearing effluents emanating from coke ovens	The British Carbonization Research Association	1984	Contract No. EEB/4/181/81 Final Report
EUR9396	Development of automatic equipment for coal-fired boilers	NCB, Coal Research Establishment, Gloucestershire	1984	Contract No. 7220-EC/821 Final Report

EUR9416	To extend the application of fluidised bed gasification of coal	NCB, Coal Research Establishment, Stoke Orchard (UK)	1984	Contract No. 7220-EC/820 Final Report
EUR9917	Development of a computer model for the selection of boiler plants from the viewpoint of a low energy consumption	A. J Meijnen	1985	Contract No. EEA/1/001/N Final Report
EUR10017	The design & development of a small-scale fluidised bed boiler with automatic control	J. E. Bannard	1985	Contract No. EED/1/302/IRL Final Report
EUR10034	New sulfide catalysts for the hydriliquefaction of coal	J. P. R. Vissers, E. M. Van Oers, V. H. J. De Beer and R. Prins	1985	Contract No. EH/C/50/017/NL Final Report
EUR10068	Mathematical model for the determination of thermal spalling in refractory material on the basis of the practical relationship of the appearance of rupturre, physical properties and physical conditions	Hoogovvens Groep BV	1985	Contract No. 7220-EB/603 Final Report
EUR9126	Techniques de creusement dans les charbonnages de la Communaute Europeenne		1984	
EUR10070	Chemical and physical valorization of coal, Round table meeting		1985	
EUR10091	Refining of coal oils to produce transport fuels and feedstocks	Coal Research Establishment - NCB	1984	Contract No. 7220-EC/825 Final Report
EUR10144	Production of hot gas for drying processes using fluidised bed combustion of coal	R. C. Payne, A. R. Windybank, A. R. Butt, T.N. Smith and P. J. Margrett	1985	Contract No. EED/2/322/UK Final Report
EUR10393	First annual report from the commission to the council on the implementation of the council directive on air quality limit values and guide values for sulphur dioxide and suspended particulates	K. -H. Zierock	1986	
EUR10588	Chemical and physical valorization of coal, Round table meeting		1986	
EUR10798	Trials on large burners firing coal water mixture fuels and burners firing dense phase air conveyed pulverised coal	J. W. Allen	1987	Contract No. 7220-ED/801 Final Report
EUR10903	Investigation to improve the handlability of wet fine coal		1985	Contract No. 7220-EA/809 Final Report

EUR10992	Coal based ironmaking - A study	R. B. Smith and M. J. Corbett	1985	
EUR11016	Technical research, development and demonstration in the solid fuels sector	F. W. Kindermann, J. K. Wilkinson and S. Furfari	1987	
EUR11086	Identification and quantification of atmospheric emission sources of heavy metals and dust from metallurgical processes and waste incineration	Christopher F. P. Bevington	1987	Contract No. 85-B6600-11-049-11-N Final Report
EUR11109	Nucleonic methods for the measurement of coal and ash	J. S. Wykes, M. J. Gibson, I. Adsley, G. M. Croke, J. D. Hoddy	1987	Contract No. 7220-EA/810 Final Report
EUR11150	Chemical and physical valorization of coal, Round table meeting		1987	
EUR11158 FR	Etude de la pollution produite par les chaudières à lit fluidisé (Study of pollution from fluidised bed combustion)	Centre d'Etudes et Recherches des Charbonnages de France	1987	Contract No. 7220-ED/302 Rapport Final
EUR11160	Trace elements emissions from fluidised bed combustion units	Coal Research Establishment, British Coal	1987	Contract No. 7220-ED/805 Final Report
EUR11319	Safety and health in mining and quarrying industries, Proceedings of a symposium held in Luxembourg 10 to 12 September 1986	Commission of European Communities	1988	
EUR11601	Synthetic Fuels, contractors catalogue	G. Imarisio and J. M. Bemtgen	1988	
EUR11735 FR	Caractérisation des coques par microscopie électronique en transmission	CPM	1988	Contract No. 7220-EB/325 Rapport Final
EUR11748	Microfine coal combustion	British Coal Corporation, Coal Research Establishment	1989	Contract No. 7220-ED/807 Final Report

EUR11796	Chemical characterisation of coal and coal products	British Coal Corporation, Coal Research Establishment	1988	Contract No. 7220-EC/828
EUR11834/2	Evaluation of the R&D programme in the field of Non-Nuclear energy (1985 - 1988), vol 2		1988	
EUR11847	The utilization of solid fuels. Catalogue of R&D contracts 1988	P. F. Sens	1988	
EUR12078	The development and implementation of a system to adjust automatically, by computer, the heat-input to a coke oven battery	Hoogovens Groep BV	1989	Contract No. 7220-EB/605 Final Report
EUR12079	Pitch insolubles - their nature, properties and substitution	Tar Industries Services	1989	Contract No. 7220-EC/830 Final Report
EUR12306	Investigations of unleaded fuels for Otto-engines with different octane number improving components with respect to knocking, fuel consumption and exhaust emissions	H. May, U. Hattingen and D. Wiedenhoft	1989	Contract No. EN 3C-0044-D Final Report
EUR12347 IT	Proprieta carburante intrinseca del coke per fonderia: studio su una metodologia di valutazione e sulle possibilita in fase di produzione coke (Carburizing properties of metallurgical coke: Study of ways of evaluating it and how to introduce such properties during coke production)	Italiana coke S.p.A.	1989	Contract No. 7220-EB/411 Final Report
EUR12349 FR	Etude des regimes transitoires en cokefaction (Study of transient states in coking)	R. Vidal	1990	Contract No. 7220-EB/201 Final Report
EUR12350 IT	Influenza della densita di carica sul processo di cokefazione in forni a camera larga (Influence of the charge density on the coking process in wide ovens)	A. Coletta	1990	Contract No. 7220-EB/412 Rapporto finale
EUR12351 IT	Condizioni operative delle batterie qualita del coke e prestazioni dell' altoforno (Operating parameters of batteries and their effect on coke quality and blast furnace performance)	A. Colletta, J. Gelli, R. Palomba and P. Zanchi	1990	Contract No. 7220-EB/410 Rapporto finale
EUR12352 FR	Post-traitement thermique du gaz brut (Post cracking of volatile matter from coal carbonization)	Cerchar	1990	Contract No. 7220-EB/327 Rapport final
EUR12360	Minimising erosion in coal-fired boilers	British Coal Corporation, Coal Research Establishment	1989	Contract No. 7220-ED/808 Final Report



EUR12412	Production of hydrogen for the hydrogenation of heavy oil and coal. Demonstration project	Veba OL AG	1989	Contract No. LG 01/10/80 Technical Report
EUR12498	Production of industrial fuel gas for applications requiring high flame temperature and high emissivity	Coal Research Establishment	1988	Contract No. 7220-EC/832 Final Report
EUR12652	Development of an alkali-resistant coke	British Coal Corporation, Coal Research Establishment	1990	Contract No. 7220-EB/828 Final Report
EUR12966 DE	Optimierung des koksofenausdruckvorganges zur vermeidung von wandschaden teil 1 (Optimising coke oven pushing forces to avoid damage to walls)	Bergbau-Forschung GmbH	1990	Contract No. 7220-EB/130
EUR13047	Improving the economics of coal in the industrial boiler house: An investigation of the use of closely sized small coal to produce a low cost fully automatic site installation and delivery system	British Coal Corporation Coal, research establishment	1990	Contract No. 7220-EA/821 Final Report
EUR13048	A study on ceramic welding in relation to coke over chamber repair with an evaluation of its use in practice	British Coal Corporation Coal, research establishment	1990	Contract No. 7220-EB/829 Final Report
EUR13050	Disposal and utilisation of ash residues from pressurised fluidised bed combustion	British Coal Corporation Coal, research establishment	1991	Contract No. 7220-EA/817 Final Report
EUR13196	Pollution at coke works, Joint report on investigations into measurements of polycyclic aromatic hydrocarbons (Project 7257-13) and benzene, toluene and xylene (Project 7257-14) in and around coke works	B. Thomas	1991	Contracts Nos. 7257-13/342/08 and 7257-14/340/08 Report
EUR13351	Coal quality monitoring	British Coal	1991	Contract No. 7220-EA/812 Final Report
EUR13352 DE	Verwertung von aufbereitungs-abgangen im hoch- und tiefbau (Use of separation tailings in superstructures and deepworkings)	J. Leonhard	1991	Contract No. 7220-EA/112 Final Report

EUR13357	Management information system	Headquarters Technical Department, British Coal Corporation	1991	Contract No. 7220-AF/813 Final Report
EUR13443	Studies on the production of nitrogen oxides and ash deposition from pulverised coal, in relation to utilisation in low Nox burners	British Coal Corporation, Coal Research Establishment	1991	Contract No. 7220-EC/845 Final Report
EUR13473	Nitrous oxide emissions: modification as a consequence of current trends in industrial fossil fuel combustion and in land use	G. de Soete and B. Sharp	1991	Contract No. 3728-89-06-ED ISP
EUR13549	Improving the dewatering of clean coal flotation concentrates	British Coal Corporation	1991	Contract No. 7220-EA/814 Final Report
EUR13552/1	Development of a workshop facility for the quality inspection of gearboxes Volume 1	British Coal Corporation	1991	Contract No. 7220-AE/817 Final Report
EUR13552/2	Development of a workshop facility for the quality inspection of gearboxes Appendices Volume 2	British Coal Corporation	1991	Contract No. 7220-AE/817 Final Report
EUR13553	Underground equipment monitoring	British Coal Corporation	1995	Contract No. 7220-AF/818 Final Report
EUR13563	Investigation of the effect of blast furnace raceway temperatures on coke properties	R. R. Willmers and J. C. Atkinson	1991	Contract No. 7220-EB/827 Final Report
EUR13678	A guide to the requirements of the IT standards Decision and the revised supplies Directive second edition	R. M. O'Connor	1991	Contract No. 89/C/253 Final Report
EUR13685	Joule programme 1989-1992. Catalogue of contracts of the Joint Opportunities for Unconventional or Longer-term Energies	E. Van der Voort	1991	First Ed. In first EUR box with EUR4641. Inc Joule III programme CD.
EUR13843	Development of improved hydrogenation catalysts for coal-derived liquids	Xenophon E. Verykios	1992	Contract No. EN3V-0049-GR Final Report
EUR13928	Coal-fired magnetohydrodynamic (MHD) electric power generation	P. F. Sens	1992	
EUR14029	A review of indoor air quality and its impact on the health and wellbeing of office workers	Dr P. Leinster and E. Mitchell	1992	
EUR14066	Removal of ash from industrial boiler plant using water or mechanical equipment submerged in water	British Coal Corporation	1992	Contract No. 7220-EC/847 Final Report

EUR14068	Development of gas cleaning systems for use in conjunction with industrial fuel gas processes	British Coal Corporation	1992	Contract No. 7220-EC/833 Final Report
EUR14069	Characterisation of coal and coal products by solid-state nuclear magnetic resonance spectroscopy to aid conversion processes	British Coal Corporation	1992	Contract No. 7220-EC/834 Final Report
EUR14070	The role of coal minerals in conversion processes	British Coal Corporation	1992	Contract No. 7220-EC/836 Final Report
EUR14072	Development of improved methods for the collection, transport control and utilisation of fine carbonaceous materials	British Coal Corporation	1992	Contract No. 7220-EC/837 Final Report
EUR14164	Phased high-pressure water for roadheading machines	P. Band, M. Tomlin, N. Jenkinson, J. Agnew, S. Orme, M. Summerbell, C. Clarke	1994	Contract No. 7220-AB/815 Final Report
EUR14110	Feasibility study of the hydrolysis of coal	R. Cypres, W. Mingels, J. P. Lardinois, A. Laudet and H. Masson	1992	Contract No. LG/103/84 Final Report
EUR14190	Visual indicator for position and alignment	British Coal Corporation	1997	Contract No. 7220-AB/820 Final Report
EUR14191	Mechanized setting of roadway supports	British Coal Corporation	1996	Contract No. 7220-AB/822 Final Report
EUR14267	A study of the rheological performance of binder pitches derived from modern coke-oven by-product tars	Tar Industries Services	1992	Contract No. 7220-EC/840 Final Report
EUR14189	Prediction of gas emission on short faces and drivages	S. Kershaw	1992	Contract No. 7220-AC/834 Final Report
EUR14268	Utilisation of coal derived fuel gas at elevated pressure	British Coal Corporation	1992	Contract No. 7220-ED/820 Final Report
EUR14269	Improvement of cyclone grit arrestor performance by partial gas transportation of collected hopper solids through sidestream baghouse	Coal Research Establishment, British Coal	1992	Contract No. 7220-ED/813 Final report
EUR14270	Factors affecting coke fragmentation during pushing	Coal Research Establishment, British Coal	1993	Contract No. 7220-EB/834 Final Report

EUR14271	Development of geotechnical design software for roadways and support systems	British Coal Corporation	1996	Contract No. 7220-AB/818 Final Report
EUR14272	Industrial fuel gas (IFG) from coal: The fate of trace elements and hydrocarbons	Coal Research Establishment, British Coal	1993	Contract No. 7220-EC/842 Final report
EUR14294	Fundamental studies of the formation, structure and reactivity of metallurgical cokes as related to blast furnace operation	H. Marsh, K. M. Thomas, I. A. S. Edwards, B. K. C. Chan	1992	Contract No. 7220-EB-830/7220-EB-837 Final Report
EUR14311	Sorbent handling on industrial sites for SO <sub>2</sub> control	British Coal Corporation	1993	Contract No. 7220-EC/844 Final Report
EUR14312	Development of an industrial gasifier for small-scale applications	Coal Research Establishment, British Coal Corporation	1993	Contract No. 7220-EC/838 Final Report
EUR14313	Basic control of Nox formation and control	British Coal Corporation, Coal Research Establishment	1993	Contract No. 7220-EA/819 Final Report
EUR14404	Large-scale manure processing with biogas generation		1992	Contract No. BM/372/85/NL Final Report
EUR14528	The effect of in-situ stress on mining conditions	British Coal Corporation	1994	Contract No. 7220-AB/824 Final Report
EUR14529	Testing roadway support systems	British Coal Corporation	1997	Contract No. 7220-AB/817 Final Report
EUR14592	Ash fouling and its control in coal processing plant	Coal Research Establishment, British Coal Corporation	1993	Contract No. 7220-ED/818 Final Report
EUR14618	Methods of improving coal discharge from hoppers and bunkers by mechanical and chemical means	Coal Research Establishment, British Coal Corporation	1993	Contract No. 7220-ED/811 Final Report

EUR14619	Effect of emission control technology on fluidised bed materials	Coal Research Establishment, British Coal Corporation	1993	Contract No. 7220-ED/814 Final Report
EUR14623	The automation of cake release and control of pressure filters for colliery tailings	British Coal Corporation	1993	Contract No. 7220-EA/820 Final Report
EUR14624	Minestone fill in sea-water applications	British Coal Corporation, Coal Research Establishment	1993	Contract No. 7220-EA/826 Final Report
EUR14625	Embedded transducers for dynamic moitoring of AFCs	British Coal Corporation	1993	Contract No. 7220-AF/834 Final Report
EUR14626	Run-of-mine coal/stone monitoring	I. Adsley, M. C. Brett, G. M. Croke, G. J. Haines, J. D. Hoddy, P. M. Taylor	1993	Contract No. 7220-AF/828 Final Report
EUR14670	Full-scale test of the capillary barrier as a top cover of waste from coal	P. Nyegaard, L. J. Anderson, E. Clausen, J. Gregersen	1993	Contract No. 7220-ED/901 Final Report
EUR14771	The use of exploration techniques in the design of mine entries	L. Wade, A. Berry, M. A. Horton, A. T. Young	1993	Contract No. 7220-AB/816 Final Report
EUR14831	Ergonomics action in mining, The results of the fifth ECSC programme	Odette Berchem-Simon	1994	
EUR14865	Reducing the cost and improving the amenity of commercial and large domestic boilerhouse installations	British Coal Corporation	1993	Contract No. 7220-ED/823 Final Report
EUR14866	Characterisation of trace hydrocarbons emissions from coal fired appliances	British Coal Corporation	1993	Contract No. 7220-ED/821 Final Report
EUR14867	Fluidised bed coal gasification process for power generation	British Coal Corporation	1993	Contract No. 7220-EC/841 Final Report

EUR14868	The prediction and reduction of abrasive wear in mining equipment	S. I. Al-Ameen, M. G. Talks, M. D. Waller, F. P. Tolley, G. Moreton, M. A. Lomas, E. D. Yardley	1993	Contract No. 7220-AE/821 Final Report
EUR14869	Development of smokeless fuel technology	Coal Distribution Limited	1994	Contract No. 7220-EC/009 Rapport final
EUR14871	Two stage catalytic gasification of lignite	G. P. Sakellaropoulos	1994	Contract No. 7220-EC/702 Final Report
EUR14872	Underground disposal and utilisation of colliery waste	D. R. Astle	1993	Contract No. 7220-AE/816 Final Report
EUR14875	Improvements to the maintenance of free- steered vehicles	G. S. Morton, S. Manson, A. Rusthworth, C. Tabbot	1993	Contract No. 7220-AE/831 Final Report
EUR14892	Thermodynamical properties of coal fluids	A. M. H. van der Veen	1993	Contract No. 7220-EC/602 Final Report
EUR14894	Emissions and their control from industrial installations using solid fuels	British Coal Corporation	1994	Contract No. 7220-ED/815 Final Report
EUR14899	The physics and chemistry of briquetting	British Coal Corporation	1994	Contract No. 7220-EC/853 Final Report
EUR14923	Improved coal liquefaction yields	M. A. Jones, S. A. Moore, G. M. Kimber	1994	Contract No. 7220-EC/852 Final Report
EUR15191	Desulphurization in pressurized bed gasification systems	British Coal Corporation	1996	Contract No. 7220-ED/817 Final Report
EUR15193	Improving the convenience of solid fuel in the domestic market sector	British Coal Corporation	1996	Contract No. 7220-ED/828 Final Report
EUR15198	Prediction of water inflows into coal mines from aquifers	M. D. North, R. I. Jeffrey	1997	Contract No. 7220-AF/826 Final Report
EUR15199	Data communication systems at collieries	R. Allan, A. Beckett, D. Delaey, J. Pattiso	1996	Contract No. 7220-AF/835 Final Report

EUR15204	Monitoring systems for roadheaders	N. D. Jenkinson	1997	Contract No. 7220-AB/825 Final Report
EUR15205	The assessment of long- term stability in major drivages	A. Bloor	1996	Contract No. 7220-AB/829 Final Report
EUR15346	Quantitative prediction of fault density in unworked ground	Fault analysis group - Liverpool University	1996	Contract No. 7220-AF/840 Final Report
EUR15356 PT	Modelagem computacional da subsidencia mineira em jazigos de carvao muito inclinados	C. Mendonca Arrais	1996	Contract No. 7220-AD/761 Final Report
EUR15360	Advanced ceramic filtration systems for particulate removal at high temperature	British Coal Corporation	1997	Contract No. 7220-ED/186 Final Report
EUR15637	Community research and technological development policy	European Commission	1994	
EUR15651	Semi- automated conveyor maintenance station	British Coal Corporation	1996	Contract No. 7220-AE/824 Final Report
EUR15656	Optimising the aerodynamic design of boilers to improve combustion and reduce erosion	British Coal Corporation	1996	Contract No. 7220-ED/827 Final Report
EUR15737	Development of a comprehensive mechanism to establish the fate of the fuel-nitrogen in coal conversion systems	I. Gulyurtlu, H. M. Esparteiro, I. Cabrita	1996	Contract No. 7220-EC/754 Final Report
EUR15739	Mathematical modelling of the fundamental aspects of coal conversion in the fluidized bed	I. Gulyurtlu	1997	Contract No. 7220-ED/751 Final Report
EUR15757	Methane capture on high-performance coalfaces	British Coal Corporation	1996	Contract No. 7220-AC/836 Final Report
EUR15758	Computer-aided manpower deployment	British Coal Corporation	1997	Contract No. 7220-AF/836 Final Report
EUR15882	The Environment - at the heart of European R&D	British Coal Corporation	1994	
EUR17149 DE	Herstellung von Aktivkohle auf Basis Braunkohle und Abfallprodukte (Bioprodukte) Bedeutung der Rohstoffeigenschaften für die Aktivkohlequalität	B. Meyer	1999	Contract No. 7220-EC/003 Final Report
EUR17154	Coal preparation process control and management systems	T. F. Jones, D. Spriggs, T. Jones	1996	Contract No. 7220-EA/840 Final Report

EUR17155	Three-product 'Larcodems' separator demonstration, installation and performance testing	D. Baillie, C. Shah, A. Heley	1996	Contract No. 7220-EA/843 Final Report
EUR17156	De-watering of fine coal	S. Ivatt, C. Shah	1996	Contract No. 7220-EA/834 Final Report
EUR17157	Control of fines plant	T. Jones, D. Spriggs, J. Williams	1996	Contract No. 7220-EA/833 Final Report
EUR17161	Three-dimensional seismic surveying to investigate the geological structure of shear zones within the Selby coalfield	British Coal Corporation	1997	Contract No. 7220-AF/859 Final Report
EUR17162	Reduction of fugitive dust from coal stockpiles	A. King	1996	Contract No. 7220-EA/002 Final Report
EUR17163	Investigating into the effects of lithology on the magnitude and ratio of <i>in situ</i> stress in coal measures	K. Whitworth, K. Onions, M. North	1997	Contract No. 7220-AF/854 Final Report
EUR17164	Integrated colliery information system	British Coal Corporation	1995	Contract No. 7220-AF/842 Final Report
EUR17165	Management of colliery data communications network	British Coal Corporation	1994	Contract No. 7720-AF/852 Final Report
EUR17166	Control system for underground applications	A. Shaw, A. Beckett, M. Higgins, M. Baldwin, G. Harrison	1995	Contract No. 7720-AF/851 Final Report
EUR17167	Ground movements resulting from mining	British Coal Corporation	1993	Contract No. 7720-AF/847 Final Report
EUR17170DE	Visualisierungssystem für Rechnernetze mit integriertem Prozessrechner	H. Mollmann	1994	Contract No. 7220-AF/140 Final Report
EUR17180DE	Verwertung des Methans aus Grubengas	H. Kuhl	1994	Contract No. 7220-AC/002 Final Report
EUR17187	Battery-powered rack locomotive	J. Currie	1993	Contract No. 7220-AE/825 Final Report
EUR17188	Optimization of cable bolting and rock bolting material properties	British Coal Corporation	1994	Contract No. 7220-AB/830 Final Report
EUR17375	Improved amenity for industrial appliances	British Coal Corporation	1994	Contract No. 7220-ED/831 Final Report



EUR17376	Development of the Huwood moving bed bunker	A. Hopkins	1994	Contract No. 7220-AE/828 Final Report
EUR17377	ECSC-funded research into extensible belt conveyors	Huwood International	1994	Contract No. 7220-AE/829 Final Report
EUR17378	ECSC-funded research into tight curved conveyors	Huwood International	1997	Contract No. 7220-AE/830 Final Report
EUR17380	Improving commercial boiler plant reliability, durability and overall efficiency	Coal Research Establishment	1997	Contract No. 7220-ED/834 Final Report
EUR17382	Strategic control of mine wide systems	W. English	1997	Contract No. 7220-AF/843 Final Report
EUR17391	Methane control for high-production retreat faces	S. Kershaw	1997	Contract No. 7220-AC/838 Final Report
EUR17392	Optimization of mine ventilation and methane recovery	British Coal Corporation	1997	Contract No. 7220-AC/839 Final Report
EUR17393	Monitoring and utilization of drained mines gas	British Coal Corporation	1997	Contract No. 7220-AC/842 Final Report
EUR17396	Research into the effects of machine-initiated electronic control of the roof support system	D. Gwynn	1997	Contract No. 7220-AD/833 Final Report
EUR17398	High capacity, steeply inclined conveyor for underground mining	British Coal Corporation	1997	Contract No. 7220-AE/826 Final Report
EUR17406	Applications for and improvement to on-line coal quality monitors	J. Wykes, G.Croke, C. Gascoigne	1997	Contract No. 7220-AF/848 Final Report
EUR17407	Development of a consultative on-line diagnostic system	J. Wykes, R. Hicklin, G. Powell	1997	Contract No. 7220-AF/850 Final Report
EUR17413	The integrated coalface demonstration	British Coal Corporation	1998	Contract No. 7220-AD/832 Final Report
EUR17417	Development of gateroad and junction systems in the Barnsley seam, North Yorkshire	British Coal Corporation	1998	Contract No. 7220-AD/824 Final Report
EUR17418DE	Überwachung von hydraulischen Druckanlagen II	DMT	1998	Contract No. 7220-AE/132 Final Report
EUR17427	Experimental evaluation of integrated beneficiation and slurrification processes of low quality coals	Snamprogetti	1998	Contract No.7220-EA/405 Final Report

EUR17428	Coal preparation plant condition-based maintenance	M. Lester, T. Jones, J. Williams	1998	Contract No.7220-EA/836 Final Report
EUR17429FR	Etude des mecanismes conduisant a la pousse des charbons dans le four a coke	CPM	1998	Contract No.7220-EB/335 Final Report
EUR17435	Improved analytical techniques for coal characterisation	British Coal Corporation	1998	Contract No.7220-EC/857 Final Report
EUR17437FR	Homogeneite de la cuisson du saumon de coke. Densite de chargement et longueur de flamme dans les carneaux	CPM	1998	Contract No.7220-EB/337 Final Report
EUR17438	Coke property changes as influenced by blast furnace operating conditions	J. Patrick	1998	Contract No.7220-EB/840 Final Report
EUR17441	The influence of pitch quality on anode carbon gasification	J. Patrick	1998	Contract No.7220-EC/851 Final Report
EUR17442	Improvements to flue gas filtration technology	British Coal Corporation	1998	Contract No.7220-EC/012 Final Report
EUR17444	Emission of volatile organic compounds (VOCs) from coal-fired appliances	British Coal Corporation	1998	Contract No.7220-ED/008 Final Report
EUR17445	Emissions of pollutants from coal-fired combustion plant	British Coal Corporation	1998	Contract No.7220-ED/826 Final Report
EUR17487DE	Orientierte Zielbohrsysteme fur Sonderbohrungen	J. Gehrke, W. Vorhoff, P. Brychta	1998	Contract No.7220-AB/134 Final Report
EUR17488ES	Investigacion para la mejora del arranque con explosivos en los talleres de sutiraje en capas grisuosas	R. Teigell Gonzalez, R. Rodriguez Aunon	1998	Contract No.7220-AD/767 Final Report
EUR17489	Methods for the recognition of geological weakness zones and other surface discontinuities caused by underground mining in Carboniferous terrain	D. Beamish, R. Flint, P. Greenwood, P. Jackson, P. Meldrum, R. Peart, M. Raines, C. Williams	1998	Contract No. 7220-AF/136 Final Report
EUR17491DE	Eigensichere Schnittstellenmodule fur Sensoren - Teil B	M. Bendrat, H.-J. Kartenberg, W. Pressburger	1998	Contract No. 7220-AF/149 Final Report
EUR17492	High gradient magnetic cleaning of pulverised coal	R. Boucher, S. Zhou, E. Garbett	1999	Contract No. 7220-EA/007 Final Report

EUR17495	Coke thermal history	W. Wang, K. Thomas	1999	Contract No. 7220-EB/842 Final Report
EUR17497FR	Duree de vie des batteries. Mesures des contraintes et des deformations des parties metalliques et refractaires	CPM	1999	Contract No. 7220-EB/342 Final Report
EUR17502	Environmentally unfriendly coal species in gasification processes	BCURA	1998	Contract No. 7220-EC/017 Final Report
EUR17503	Novel diesel fuel preparation	British Coal Corporation	1998	Contract No. 7220-EC/869 Final Report
EUR17504	Preparation and characterisation of coal samples and maceral concentrates for studies on gasification and combustion reactivity of coals in combined cycle processes	A. Van der Veen, A. Broos	1998	Contract No. 7220-EC/036 Final Report
EUR17524	Powder coal combustion project. Combined cycle project. Volume I: executive summary		1997	
EUR17524	Volume II: Powder coal combustion project. Final reports		1997	
EUR17524	Volume III: Combined cycle project. Final reports		1997	
EUR17650/2	Non-nuclear energy programme (1990-94) JOULE II. Vol II		1999	
EUR17925	Fuel behaviour in low CO <sub>2</sub> power systems	British Coal Corporation	1998	Contract No. 7220-EC/030 Final Report
EUR17926	Removal of hydrogen sulphide and ammonia in coal gasification power generation systems	British Coal Corporation	1998	Contract No. 7220-EC/032 Final Report
EUR17927	Development of an LCV gas combustor with very low fuel nitrogen oxidation for gas turbines	British Coal Corporation	1998	Contract No. 7220-EC/034 Final Report
EUR17928	Materials for gasifier hot gas path components in advanced combined cycle power plants	British Coal Corporation	1998	Contract No. 7220-EC/035 Final Report
EUR17929	Membrane separation, recovery and recycle of gases in coal upgrading	P. Sakellariopoulos	1998	Contract No. 7220-EC/703 Final Report
EUR17931FR	Evaluation des calcaires en vue de la desulfuration en lit fluidise	P. Berte, V. Delvinquier, M. Gautrin	1999	Contract No. 7220-ED/023 Rapport final
EUR17932	Hot gas desulphurisation for advanced power generation	I. Fantom, S. Radford, T. Pagan	1999	Contract No. 7220-ED/027 Final Report

EUR17933	Understanding of the mechanisms of the combustion of char and volatiles with regard to their contribution to the levels of NO <sub>x</sub> and N <sub>2</sub> O formed in both atmospheric and pressurised fluidised bed combustors	I. Gulyurtlu, D. Boavida	1998	Contract No. 7220-ED/030 Final Report
EUR17935	Small-scale CHP based on Stirling engines	CRE Group	1998	Contract No. 7220-ED/043 Final Report
EUR17938	Use of coal ashes as a binder for solidifying municipal waste incineration residues	J. Blondin	1999	Contract No. 7220-ED/048 Final Report
EUR17939	Coal-based emissions of environmental concern	M. Dorrington	1998	Contract No. 7220-ED/054 Final Report
EUR17942DE	Reaktionsgrundlage für die Hochtemperaturcrackung von teerhaltigen Rohgasen der Kokerei	RAG	1999	Forschungsvertrag Nr. 7220-EB/155 Abschlussbericht
EUR17945	Examination and assessment of silica welds after service in coke ovens	G. Hicks	1999	Contract No. 7220-EB/846 Final Report
EUR17947	Speciation of the organic sulphur forms in coals and coal derivatives: a comparative study of temperature programmed reduction and X-ray techniques	C. Snape, J. Yperman, D. Franco, K. Bartle	1998	Contract No. 7220-EC/025 Final Report
EUR17948	The thermodynamic basis for coal liquefaction modelling	A. Van der Veen, A. Broos	1998	Contract No. 7220-EC/603 Final Report
EUR17950	Reactivity of coal macerals: implications for the utilisation performance of coal blends	J. Milligan, K. Thomas	1998	Contract No. 7220-EC/867 Final Report
EUR17961DE	Optimierung des pneumatischen Transports unter besonderer Berücksichtigung der veränderten Fordereigenschaften durch den Einsatz von Reststoffen	H. -J. Roski, D. Biesler, P. Edelhoff	1999	Forschungsvertrag Nr. 7220-AE/002 Abschlussbericht
EUR17963	Application of new subsidence prediction methods for damage minimisation of surface structures above coal mines	IST	1998	Contract No. 7220-AF/008 Final Report
EUR17973FR	Rheologie et transport en conduite de pulpes combustibles (transport des pulpes)	J. -M. Brunello	1999	Contract No. 7220-EA/306 Rapport final
EUR17974	The development of a fine coal desulphurisation system	S. Hall, C. Shah	1999	Contract No. 7220-EA/010 Final Report
EUR17975	Pipe design for improved particle distribution and reduced wear	T. Jones, N. Miles	1999	Contract No. 7220-EA/841 Final Report

EUR17976	The monitoring and management of handleability	D. Brown, B. Atkin, N. Miles	1999	Contract No. 7220-EA/842 Final Report
EUR17980	Characterisation of sulphur in coal and coal products by standard and non-standard methods	University of Huddersfield	1998	Contract No. 7220-EC/854 Final Report
EUR17981/2	Non-nuclear energy programme (1990-94) JOULE II. Vol II		1999	
EUR18231FR	Recherche d'agents chimiques efficaces et economiques afin d'optimiser les procedes actuels de valorisation des dechets des lavoirs a charbon	W. Auquier, H. Tran, A. Vettor	1999	Contract No. 7220-EA/009 Rapport final
EUR18233	Process tomography for improved design, monitoring and control of cyclonic separators	R. Williams, M. Beck	1998	Contract No. 7220-EA/829 Final Report
EUR18243FR	Optimisation de la modelisation geologique de depots houillers complexes par analyse	D. Bossiroy, R. Dreesen, J. Thorez	1999	Contract No. 7220-AF/214 Rapport final
EUR18244DE	Strukturmechanische Berechnung der Kinematik im Drahtseil	U. Preckel	1999	Forschungsvertrag Nr. 7220-AE/143 Abschlussbericht
EUR18248	Mine climate control options in underground working zones	M. Tuck, M. Stokes, I. Lowndes	1999	Contract No. 7220-AC/006 Final Report
EUR18249	Simulation of methane flow through strata along longwall coalfaces	University of Nottingham	1998	Contract No. 7220-AC/850 Final Report
EUR18251	Coal-fired waste incineration	University of Portsmouth	1999	Contract No. 7220-ED/044 Final Report
EUR18252	NO <sub>x</sub> reduction by air staging and reburning	G. Hesselmann, P. Hepburn, S. Fish	1999	Contract No. 7220-ED/050 Final Report
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EUR18255	Hot fuel gas dedusting after sorbent-based gas cleaning	British Coal Corporation	1999	Contract No. 7220-ED/057 Final Report
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EUR18393/IV	Joule II - Programme clean coal technology R&D 2nd phase. Integrated hot fuel gas cleaning for advanced gasification combined cycle processes. Vol IV	A. J. Minchener	1998	Contract No. JOU2-CT93-0431
EUR18393/V	Joule II - Programme clean coal technology R&D 2nd phase. Enhancement of the efficiency of integrated gasification combined cycle (IGCC) power plants. Vol V	R. Pruschek	1998	Contract No. JOU2-CT94-0454
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EUR18583	Characterisation of coals and coal derivatives by solid state quantitative <sup>13</sup> C NMR spectroscopy using large volume samples	University of Strathclyde	1999	Contract No. 7220-EC/870 Final Report
EUR18584	The use of coal-tar pitches of very high softening point and low carcinogen content as binders for industrial carbon	TIS	1999	Contract No. 7220-EC/871 Final Report
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EUR18586	Controlled conveying of coal dust in pipelines: Fundamentals for efficient coal dust burners with low pollution	N. Huber, M. Sommerfield, K. Thill, G. Dimaczek	1999	Contract No. 7220-ED/036 Final Report
EUR18587	Treatment of liquid and gaseous effluents from integrated gasification combined cycle systems	DMT	1999	Contract No. 7220-ED/051 Final Report
EUR18588	Utilisation of ash from industrial boilers	CRE Group	1999	Contract No. 7220-ED/060 Final Report
EUR18589	Measurement and sampling methods for testing residential solid fuel appliances	Cerchar	1999	Contract No. 7220-ED/061 Final Report

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EUR18897	Solid waste from coal utilization		1998	ECSC Workshop October 1998, Vienna
EUR19285/II	Joule III programme. Advanced combustion and gasification of fuel blends. Vol II	I. F. W. Romey	1999	
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