

## Annex 7: Summary of Proposals Reviewed

No	Short Name	Full name	Theme
10003	SPEECON	Speech driven interfaces for consumer applications	A multilingual speech database and modelling of various acoustic environments to produce speech driven interfaces for consumer applications.
10007	EMPLOY	New employment through innovative tools and services for an efficient effective European structural funds management	Innovative and integrated tools and services designed to support the management of the European structural funds process.
10023	CIRRUS	Development of a high volume assembly process for flip chip ICs with bond pad pitches down to 40 microns	Development of a high volume assembly process to make flip chip techniques compatible with future bond pad pitches on an industrial scale.
10025	WIND-FLEX	Wireless indoor flexible high bitrate modem architecture	Development of technology for a radio-frequency high bit-rate modem for indoor use with slow moving terminals.
10028	WINE	Wireless internet networks	Wireless internet networks implementing IPv6 on a DECT and HIPERLAN testbed.
10031	XPAN	Extended services provided in the access network	Development of a multiservice access platform and CPE supporting VDSL, ATM and other interfaces, together with the management of service level agreements.
10033	QUCOMM	Long distance photonic quantum communications	Demonstrate quantum communications protocols for point to point and multiparty cryptography key distribution and key sharing.
10036	INTERFACE	Multimodal analysis/synthesis system for human interaction to virtual and augmented environments	New models and advanced tools for making the man-machine interaction as natural as possible via the 'human' machine.
10039	CERENA	Developing intelligent personal service environments	User personalisation technology in support of electronic business, in this case on-line retail banking, with user profiling based on collaborative filtering, data mining and artificial intelligence.
10043	SETTA	Systems engineering for time triggered architectures	Promotion of a European architecture for safety critical, real time applications (drive/fly by wire).
10044	VIRTUE	Virtual team user environment	Technology for telepresence/conferencing using a novel image processing algorithm that combines real and virtual objects in a shared conferencing environment.
10050	BRAIN	Broadband radio access for IP based networks	Complement GSM with Ground Packet Radio Service (GPRS) to support mobile IP service provision.
10051	EASEL	Educator access to services in the electronic landscape	Support tools for educators in developing courses and tracking students' progress on courses.
10057	MOCONT	Monitoring the yard in container terminals	A 'Terminal operating System' to track the position and handling of containers in a yard through the use of radio linked systems.
10069	AIT-WOODDES	Workshop for object oriented design and	Improve the design process, methods and tools for real time embedded systems.

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		development of embedded systems.	
10073	VSAMUEL	Development of a versatile system for advanced neuronal recordings with multi-site microelectronics	design and construction of microelectronic arrays for signal acquisition from living nervous tissue.
10076	TRIDENT	Transport intermodality data sharing and exchange networks	To develop European specifications for data sharing between different types of transport operators in different environments.
10077	AQUILA	Adaptive resource control for QoS using an IP based layered architecture	A QoS architecture with service independent extra layer for resource control providing extra options for the establishment of QoS requests from the user application (RSVP, DiffServ)
10087	HISCORE	High speed 3-D and colour interface to the real world	Create artificial 'machine eyes' for use in a variety of inspection applications that require 3-D images, e.g. security, quality control in food processing.
10088	DIET	Decentralised information ecosystem characteristics	Study of an information processing and management framework, using a 'bottom-up', ecosystem approach, leading to open, robust, adaptable self-organising and scalable systems.
10091	EXTERNAL	Extended enterprise resources network architectures and learning	Development of methodologies, tools and solutions for extended enterprises, including modelling, analysis, engineering and operation.
10092	DILEMMA	Digital design and life-cycle management for distributed information supply services in innovation exploitation and technology transfer	Providing a service of information to support technology transfer and the exploitation of research results.
10100	EDISCIM	Early diagnosis of skin cancer using confocal imaging	To develop a prototype system for early diagnosis of skin cancer based on confocal imaging to capture images up to a depth of 1mm and process them in real time using a knowledge based system to assist the physician in diagnosis.
10106	GLOBAL_CHIN	End systems management for global mobile access to European on-line information and network services	Develop a user specified intranet for mobile users in remote environments. Healthcare application.
10107	PROTECTOR	Preventive safety for unprotected road users	Design of a system based on components installed in vehicles (computer vision, radar, laser) and carried by cyclists (transponders, reflectors) with the aim of reducing road accidents.
10108	CHAMELEON	Pre-crash application all around the vehicle	Development of a pre-crash sensing system for detecting an impending crash and deploying relevant safety restraint systems.
10109	MIRAGE	Micro resonant actuators for 2-D scanner engines	Develop and test 2-D micro mirrors for use in low cost bar-code readers/scanners.
10112	ERIMO	Electromagnetic radiation and interaction modelling in microwave systems	Production of guidelines on the design of microelectronic systems in ways that minimise electromagnetic radiation from them.

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10116	TELEDIMOS	Telepresence simulation platform supporting civil works machines in remote dismantling, waste disposal and large scale decommissioning operations	Development of a real time simulation system to support telepresence platforms, such as those for operating civil works equipment.
10118	IB	Integrated business	Software platform for the development and execution of applications with integration of legacy systems and heterogeneous system hardware.
10130	SMART-EC	Support for evaluation and brokering for electronic services.	mediation and brokering in electronic commerce - here applied to a tourist application and including mobile delivery.
10132	OU TO KNOWLEDGE	Tools for content driven knowledge management through evolving ontologies	Tools for the support of non IT specialists to access company wide information sources (help desk staff, sales staff, middle and higher management).
10147	ADVISOR	Advanced digital video storage and on-line retrieval system	To push the state-of-the-art of video annotation and retrieval systems.
10151	EDEN-IW	Environmental data exchange for inland water	To integrate existing heterogeneous government databases into a shared system.
10154	TERAVISION	Terahertz frequency imaging systems for biomedical and other applications	Development of low-cost, compact Terahertz frequency systems for imaging and stereoscopic applications.
10160	VIDEOGATEWAY	A video gateway between the next generation broadband internet and the current narrow band for live on-demand access	Gateway between next generation internet streaming video standards and the narrowband gateway between different video sources (analogue, DVB, DVD, compressed).
10165	WEDELMUSIC	WEB delivering of music scores	Distribution of music via the WEB preserving IPR in a unified model, audio, symbolic and image formats.
10167	VIRTUOUS	Virtual home UMTS on satellite	Design develop and implement a UMTS Radio Access Network (URAN) offering multi-band access in a Virtual Home environment (VHE).
10176	A TEAM	Advanced training system emergency management	to develop a new approach to advanced technical training using artificial intelligence.
10178	TIGRA	Transmitter integration of next generation TETRA systems for PMR and public safety applications on CMOS based technology	What more is there to say?
10181	ADRENALIN	Advanced fractal companies use information supply chains	Architectural modelling of an information supply chain, based on fractal principles.
10192	SONG	Portals of next generation	Development of building blocks for the next generation of portals (cf. Yahoo, Netscape) and demonstration of them in an application for allowing more natural access to services.
10193	PRIMA	Project risk management	Risk management evaluation method for projects in risk based business.
10194	ADCIS	Advanced Display for Car Information System	Development of a 7" medium voltage Field Emission Display (MVFED) for use in car

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			information systems
10195	MESSENGER	Manufacturing, engineering and service status electronically negotiated for greatly enhanced response	To develop software to enhance, accelerate and improve the business processes associated with field maintenance and reduce the waste of resources.
10202	STAR MATE	Systems using augmented reality for maintenance, assembly, training and education	Development of a system for advanced testing and maintenance of mechanical systems based on augmented reality techniques.
10205	FLEX-SI	Ultra thin packaging solutions using thin silicon	Development of ultrathin electronic packaging technology, e.g. <50 micron silicon chips for use in hearing aids, smart cards and mobile phones.
10206	MOBIVAS	Downloadable mobile value-added services through software radio and switching integrated platforms	The development of architectural approaches and prototype implementations of integrated software platforms and systems for delivering a range of mobile value-added services.
10211	LEAP	Lightweight extensible agent platform	Standardised agent platform to support a mobile enterprise workforce, such as telecoms network maintenance and roadside assistance.
10235	ISA	Integrated sensors for automobiles	Development of a low cost infrared microsystem for safety, security and comfort improvement.
10236	CORTEX	Design and construction of elements of a hybrid molecular/electronic retina cortex structure.	Comparative performance evaluation of molecular scale 'wires' between computer chips.
10243	S4P	Solid state sources for single photons	Development of solid state single photon sources for quantum information processing and communication.
10246	SCREEN	Development of soft copy reading environment for digital mammography in breast cancer screening	To develop a soft copy reading environment to replace the traditional film based environment in breast cancer screening.
10253	WINDS	Coeb based intelligent design tutoring system.	Tutoring system for higher decision teaching.
10258	DOTS	Distributed objects telecontrol networks and systems	To establish an open software model, built on real time distributed object technology (CORBA) and emergent telecontrol standards for electronic power grids.
10264	QUIM	Quantum images	Investigate how the interference of light beams can be used to improve the quality of image recording, processing and storage.
10279	APM	Automated performance measurement	The development of an automated performance measurement system for individual enterprises and networks with emphasis on developing standards for handling such data.
10281	B2B-ECOM	Intelligent personalised catalogues to innovate and boost business-to-business e-commerce	Generic development of catalogue technology supporting personalisation and its application to the domain of electrical equipment components.
10287	CAST	Configurable radio with advanced software technology	Open software radio system with reconfigurable physical layer for IMT-2000 systems

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10288	OPELIX	OPELIX - an open personalised information commerce system	Development of a toolset based on 'business offer description language' that will be promoted for standardisation.
10292	AGETHA	Amber/green emitters targeting high temperature applications.	Development of III-V nitride based resonant cavity LEDs and detectors for use in automotive and avionics applications using plastic optical fibre links and operating at up to 120C.
10298	ALFEBIITE	A logical framework for ethical behaviour between infohabitants in the information trading economy of the universal information society.	Empirical psychological development of a logical framework for the way in which infohabitants should behave to ensure trust and confidence between them when trading information.
10299	ANDROID	Active network distributed open infrastructure development	Demonstrate the feasibility of constructing a manages scalable programmable network infrastructure using application layer active networking to provide dynamic customisation of services in a novel management architecture.
10302	DSE	Distributed systems engineering	A multilayer architecture supporting DSE activities enabling collaborative design, consolidation and review in large programmes with many contractors, including distributed verification of systems.
10303	E-CONSTRUCT	Electronic communication in the communication and construction industry preparing for the Internet	E-commerce tools for the construction industry - supporting the supply chain with an industry specific mark up language.
10304	EEII	EEII	Evolution and ecology of a system of interacting, intelligent infohabitants - defining their interactions and determining the properties of the ecology of the infohabitants.
10308	INPROM	Integrated probed memory	To develop erasable probe storage recording techniques to reach data densities approaching 20 Gbit/s sqcm.
10310	INTERPRET	International network for pattern recognition of tumours using magnetic resonance.	A user-friendly computer platform for spectral classification to facilitate the use of magnetic resonance spectroscopy for the diagnosis and grading of tumours.
10312	RADARNET	Multifunctional automatic radar network	Development of 77GHz MMIC chip sets for FMCW radar systems to form part of a multifunctional radar network for automotive applications.
10314	SPOTLIGHT	Mass market e-commerce services using multi language natural spoken	Development of a Human Language Technology user interface for mass market telephone based e-commerce applications in the financial and travel sectors.
10315	M2DM	Multimedia services for the management of dynamic intelligence	Development of a multi-access server for the remote treatment of diabetes patients.
10319	INTEGRA NET	Integrated organiser for dynamic networks of independent countries	Co-operative working for virtual organisations.
10319	ODISSEA	Open distributed interoperable software system engineering	Development of a reference model for the collaboration of distributed heterogeneous teams in systems engineering.

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		architecture	
10322	SATURN	Smart antenna technology for universal broadband wireless networks.	Develop and test new methods of using smart antenna technology to increase the transmission capacity of fading channels.
10323	SANEME	Self assembly of functional nanoscale elements for intramolecular electronics	Use of self assembling nanostructures at a wafer scale to develop electronic interfacing systems.
10326	ULTRAMOD	Universal line rate total reach access network	Very high flexible bit rate modem for fibre and copper.
10326	ULTRAMOD	Universal bitrate total reach access modem.	A highly flexible modem for the copper access network covering a wide range of bitrates.
10332	AUTOMOPS	Automatic mask order processing system	Supporting the ordering process between partners in the supply chain of the semiconductor industry (design centre - mask house - wafer fab).
10333	GATE	Advanced development and test interface for embedded subsystems of automotive applications	To develop and demonstrate a new technology to support the design and testing of automotive embedded sub-systems such as engine control units.
10337	MINEO	Accessing and monitoring the environmental impact of mining activities in Europe using advanced earth observation techniques.	Developing earth observation methods and tools for assessing and updating environmental status.
10339	PALOMAR	Passive long distance multiple access high radio frequency identification system	Develop the technology to produce inexpensive radio frequency identification cards operating at 2GHz.
10341	STREAM	Stream minimisation on deep sub-micron CMOS processes, measured by a high spatial resolution technique and its application to 0.15 micron non volatile memories.	Addresses the mechanical stream build up in the layers and substrate in deep sub micron CMOS processes.
10344	PIRNAHA	Particle inspection for advanced new photomask applications	Develop a high speed mask inspection system (10 min for a 6" reticle) with very high sensitivity (80nm). This will be achieved through the development of high resolution deep UV optics with long working distances.
10345	PICNIC	Professionals and citizens network for integrated care	Next generation of regional healthcare networks to support new ways of providing health and social care.
10354	ALERT	Alert system for selection dissemination of multimedia information	Demonstrator for automatic media comprising speech recognition, audio and video segmentation and automatic indexing.
10355	MICIS	Multimodal interactive city information system	Development of natural and intuitive interfaces for information kiosks.
10356	ULTRABRIGHT	Reliable ultra bright laser diode sources for terabit telecommunications and photodynamic therapy	Development of high power lasers at 975nm (20W) and 732nm (4W) as pumping sources for optical amplifiers and for use in cancer therapy.
10357	FORM	Engineering a co-operative inter-enterprise management framework supporting	Engineering an open adaptable framework for the management of trusted partners in an inter-enterprise environment

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		dynamic federated organisation management	
10358	ISONET	In home and SOHO networking through the mains network	Development of a mixed analogue digital ASIC transceiver for high speed power line communications at up to 10 Mbit/s and its validation through a set of prototype power line modems.
10367	ALASCA2	Advanced lithography using ARF scanner 2.	Assessment of optical lithography ARF scanner operating down to 150nm.
10372	DIRDA	Device improved reliability by deuterium annealing	Improvements to CMOS device manufacturing processes.
10375	INTELLECT	Intelligent on-line configuration of products by customers of electronic shopping systems	Enhance electronic commerce systems with product visualisation and simplified payment systems.
10378	SIMBIO	A generic environment for bio-numeric simulation	Tools for improving clinical and medical practice by use of simulation of bio-medical problems.
10387	INSPIRE	Intelligent agent support for people oriented re-engineering and change management.	Software tool for efficient business process re-engineering, providing help in process modelling, design and implementation, taking human factors into account.
10388	BLUE WATER	Computer video camera image analysis for monitoring pollution in water	Development of a video camera based image analysis system to detect pollution in eater.
10390	LIAISE	Local intelligence agent as informed site expert	Intelligent agent based site expert for configuring systems.
10391	PEPTRAN	Pedestrian and public transport navigation	Navigation system for use by pedestrians, customers on public transport and car users, providing route guidance advising on the optimum combination of transport and walking.
10392	EPISPARK	Enhanced protection of IPR by streamlined provision of access to regulatory knowledge	Multi language web site for SMEs providing IPR related services at low cost.
10396	OXEPICLE	Oxidation and epitaxy pre-clean treatments	Extensive characterisation of a 300mm machine for pre-clean before oxidation and low temperature epitaxy. Study of the surface evolution in a controlled environment allowing the separation of different chemicals and physical effects occurring at the surface.
10402	METEOR	Metropolitan terabit optical ring	Development of a high capacity fully managed MAN based on an optical ring with up to 40 WDM channels operating at up to 40Gbit/s.
10417	DERIVE	Distributed real and virtual learning environment for mechatronics and teleservices	The development of multiperspective learning environment for vocational training in mechatronics and teleservices for production systems.
10440	BRAHMS	Broadband access high data rate multimedia satellite	A universal user access interface for broadband multimedia services which is independent of the satellite system used to deliver them.
10442	PICK	Tools for process improvements based on	Development of tools for managing corporate knowledge in support of process

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		corporate knowledge management	improvement in manufacturing environments.
10443	MESH	Modelling of expressions and shapes of human heads	High quality 3-D modelling of facial shapes and expressions.
10444	SIGMUND	SiGe hetero MOS and MOSFETs for ultimate scaling towards 100 nanometer devices	The optimisation of sub 100nm SiGe pMOS transistors integrated into a full CMOS technology.
10448	CHAUFFEURII	Promote CHAUFFEURII	A system for electronically coupling trucks (from different manufacturers) so that they can all be driven by one person.
10450	GSQ	Gallium arsenide second window quantum dot lasers	Design development and testing of high performance 1300nm lasers and microcavity LEDs fabricated on GaAs substrate.
10459	TELENET	Teletraining platform – secure and interoperable	Development of a teletraining platform addressing the needs of training centres and users (local and regional authorities) and instigate training programmes.
10466	EASYCOMP	Easy composition in future generation component systems	To enable end-users and software engineers to work together in the development of components.
10469	SUITED	Multi segment system for ubiquitous access to Internet services and demonstrator	Development of mobile terminals for IP based services over GSM/UMTS etc. Includes RF component design.
10478	E-NTRY	Electronic tendering, bidding and negotiation real time system	An e-commerce platform enabling more efficient and cost-effective industrial procurement processes.
10491	OSMOS	Open system for inter-enterprise information management	Tools for virtual enterprises/teams in the construction industry.
10495	RESPONSE	Reliability enhancement of scaled programmable non-volatile semiconductor memories.	Development of higher performance non-volatile memories.
10497	AIDA	Advanced interactive digital administrations	The creation of an 'e-administration' service provider for facilitating contacts between administrations and citizens and replacing paper documents with digitally authenticated electronic ones.
10498	ODIN	Geographic distributed information tools and services for the mobile information society	To help and trial tools for map and location based mobile services in a wide range of application areas.
10500	VISICAST	Virtual signing, capture, animation, storage and transmissions	Develop and evaluate 'virtual humans' generating European deaf sign languages from text.
10504	GCAP	Global communication architecture and protocols for new QoS services over IP6 networks	Definition of an end-to-end architecture for multimedia co-operative applications (QoS aware) implementing multicast/multimedia/multinetwork protocol.
10510	CROSSES	CROSSES	Virtual reality simulation of crowd behaviour as a training tool for emergency services.
10515	DynCT	Real time motion compensated reconstruction and visualisation for	Development of a novel approach to reconstruction and visualisation of image sequences in real time X-ray tomography



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		dynamic computed tomography	devices that includes motion compensation and dose reduction. It combines an innovative multi-row 2D detector and ultrafast rotating gantry in an advanced CT flouroscanner.
10516	SIRIDUS	Specification interaction and reconfiguration in dialogue understanding systems	Methodologies and tools for supporting the development of spoken natural language systems.
10521	SATURN	To develop a 0.1 to 0.13 micron CMOS/SOI technology for high speed low power applications.	
10541	TOPS	Development of ultraviolet emitters using CVD process tantalum pentoxide	
10549	E-TAILOR	Integration of 3-D body measurement, advanced CAD and e-commerce technologies in the European fashion industry	Development of 3-D body measurement infrastructure for the fashion industry and integrating this into e-commerce systems.
10557	MESIC	Molecular electronic spin integrated circuits	Development of techniques for fabricating nanoscale devices on DNA 'scaffolds' and their use to demonstrate the feasibility of transferring electronic signals to and from nano magnetic systems.
10561	FAIN	Future active IP networks	Development of a neutral architecture for IP networks based on active network concepts, distributed objects and mobile agents.
10562	REYNARD	Academic subject gateway service Europe	One point access to national subject services and meta data repositories in Europe.
10567	LEDA	Learning environments for the digital academy	Creation of a networked system and underlying pedagogical procedures to facilitate and promote learning experiences ion the context of international postgraduate students.
10579	CMOSSENS	Smart chemical gas sensor system fabricated in low cost CMOS technology with integrated electronics and hybrid sensitive layers.	Development of a new generation of high performance, low cost gas sensors.
10593	SATURN	Self assembly with nanotubes towards devices for information processing	Study of wall carbon nanotubes and their connection, based on self assembly and chemistry modification.
10596	Q-ACTA	Quantum computation - novel algorithms and their main body implementation.	To use analysis of current quantum algorithms to develop new quantum algorithms.
10602	IRAIA	Getting orientation in complex information spaces as an emergent behaviour of autonomous information agents.	Design solution for software agent repositories for information retrieval services.
10610	DEMOS	Direct epitaxy of crystalline metal-oxide thin films on silicon	Replacing SiO2 (gate dielectric) with new complex metal oxide materials and build Mo MIS capacitors with oxide thickness less than 1nm
10618	MITTUG	Minimally invasive therapy	Using ultrasound and 3-D imaging to

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		for tumours 3D ultrasonic guides	improve the placement of radioactive sources relative to tumours.
10620	SUMICAP	Surface micro-machined encapsulation on wafer level	Novel encapsulation techniques for microsystems.
10622	INHOMENET	In-home high speed multimedia network based on IEEE1394	Realisation and validation of a digital home network based on IEEE standards.
10625	CHAINFEED	CHAINFEED	E-commerce tools for the agricultural feed supply industry although tools are relevant to many other supply chains.
10626	ATLAS	All optical terabit lambda shifted transmission	Trials of terabit optical transmission in WDM networks.
10632	WEBSET	Web based standard educational tools	Develop advanced web based technologies to implement cost effective learning tools for PCs.
10637	MERMAID	Marine environmental response data management and acquisition using internet data brokerage	Seamless data broker to allow rapid access to large distributed environmental databases - a virtual shopping mall for data is the user environment.
10651	MUMIS	Multimedia indexing and searching environment	Development of basic technology for the automatic creation of indexes to multimedia programme material.
10656	BUSIDEV	Business development competence centre	Consultancy and commercial support to actual and potential users of microsystems.
10667	SMADA	Speech driven multimodal automatic directory assistance.	Increased robustness and accuracy of automatic speech recognition in these non-English languages and study variations on non mother tongue speech variants.
10669	WINEGLASS	Wireless IP network as a platform for location aware services	Integration and validation of network support systems for location aware services.
10673	SQUBIT	Superconducting qubits: quantum computing with Josephsen junctions	European collaboration to demonstrate the feasibility of quantum information processors using scaleable solid state low-Tc Josephsen junction nanotechnology.
10684	STARLITE	Services, technologies and architectures enabling internet and PSTN integration	Definition and validation of an integrated Internet/PSTN architecture using DOT and MAT
10688	CAWICOMS	Customer adaptive web interface for the configuration of products and services with multiple suppliers	Development of an interface for product and service configuration on a network.
10697	3DE	Design, development and delivery of an electronic environment for educational multimedia.	Development environment for interactive educational multimedia packages for building customised courses.
10700	PARCELCALL	An open architecture for intelligent tracing solutions in transport and logistics	Development of a real-time end-to-end tracking and tracing system for transport/logistics based on emerging technologies and networks (radio frequency ID tags, internet, GPRS and Bluetooth).
10710	E.BIP	Efficient bidding and procurement in the tile industry	An electronic brokerage service, including the exchange of high quality images with good colour registration, for the tile industry.

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10712	EASIT	Enhanced access to system integration technologies.	A network of regionally distributed centres who can provide guidance on system integration technologies from first awareness of the technologies through to prototyping.
10723	MURMUR	Multiple representations - multiple resolutions	New data management technology supporting multiple representations of spatio temporal data in order to enhance GIS or DBMS functionality.
10731	ADAMAS	Adaptive Multicarrier Access System	Implementation of a point to multipoint outdoor broadband fixed wireless access system.
10734	ECREM	Electronic customer relationship management	Uses computer integrated telephony, call centres and data mining to enhance the relationships between suppliers and customers.
10737	CUBER	Personalised curriculum builder in the federated virtual university of the Europe of the regions	User friendly course brokering software offering a multidimensional match of vocational demands, academic offerings and individual learning conditions.
10741	ASILUM	Advanced signal processing schemes for link capacity increase in UMTS	Validation of new transceiver concepts for UMTS base stations and mobile terminals for reducing interference and increasing link capacity.
10744	SAMPLE	Single administrative management for postal enterprises	Open standard procedures and supporting technical systems to be used by postal administrations.
10756	VSIRE	Virtual image processing system for intelligent reconstruction of 3-D environments	A system for creating 3-D virtual environments from uncalibrated 2-D camcorder images using sophisticated modelling and reconstruction software.
10768	BIDSAVER	Business integrator dynamic support agents for virtual enterprise	Methodology, tools and legal framework for establishing and operating virtual enterprises using intelligent agents.
10787	WILD	Wide aperture coherent laser diodes for Er doped fibre amplifiers	High power pump lasers at 980 and 1500nm for erbium doped fibre amplifiers.
10808	VISOR BASE	Video sensor object request broker open architecture for distributed systems	Digital video monitoring and access control system.
10825	VESPER	Virtual home environment for service personalisation and roaming users	Define, demonstrate validate and promote a service architecture for provision of a virtual home environment across multiprovider heterogeneous networks and system infrastructure.
10828	NANOTCAD	Nanotechnology computer aided design	Development of software for the simulation and design of nanoscale devices and its validation through the design and fabrication of sample devices.
10836	SUMARE	Survey of marine resources	Use of autonomous sensors for environmental monitoring forum for multidisciplinary issues.
10837	ADEQUATE	Assessment and diagnosis in echocardiography using quantitative techniques	Development of segmentation and tracking technology for echocardiography in 2 and 3 dimensions and visualisation tools for ultrasonic imagery.
10846	TOWER	Theatre of work enabling relationships	Workplace design and teamwork support tools for virtual and distributed teams

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			including 3-D virtual working environments.
10849	MAGNOISE	Noise in spin electronic devices	To quantify and understand the different sources of noise in various spin-electronic systems and propose ways of producing optimised spin electronic devices.
10852	LIDCAT	Local integrated direct chip attach technology	Technology for finer track spacing on multilayer cards using graded build-up.
10859	ASA	Access to scientific space heritage.	Development of a virtual control room for space simulation.
10871	CREANET	Creative rights European agency network	Collaborative and secure environment for authors and producers in pre-development, pre-sales of media rich interactive works.
10878	Business Architect	Business Architect	Developing methodology and tools for setting up virtual enterprises.
10882	FASME	Facilitating administrative services for mobile Europeans	Using Java cards to support city administrations in areas such as registering cars or changes of home or workplace.
10905	NETGATE	Advanced network adapter for the integration of mobile and IP based networks	Development of a network adapter for the integration of mobile and IP based networks.
10918	INTERDEV-NRM	Interdev natural resource management linking global knowledge with local wisdom.	Multi user database on environmental resources management.
10921	MANTRIP	Management testing and reconfiguration of IP based networks using mobile software agents	The definition and development of a set of novel network management tools based on agent technology for use by network administrators and end users.
10921	CENTURI21	Community empowerment network through universal regional integration (for the 21 <sup>st</sup> century)	Development of an integrated community empowerment forum to promote the use of electronic services by EU citizens.
10934	ASSIST	Knowledge management for help desk operators	Using knowledge management systems to support help desk operations
10942	ALIVE		An authoring tool to enable artists to easily create mixed real and virtual narrative spaces and deliver them to the public over the internet.
10945	MELODICT	Micromachined electromechanical devices for integrated wireless communications transceivers	Production of capacitors, RF switches and IF filters for radio transceivers using micromachining techniques as integral part of IC production. Validation of these components in an experimental multi-standard radio transceiver.
10948	SLIE	Sustainable life cycles in information ecosystems	Design, deployment and maintenance of successful and effective infohabitants.
10951	SALT	Standards based access service to multilingual NLP lexicon and human oriented technology resources	Integration of lexbase and termbase resources into a new kind of database - a lex term base.
10953	Vir TEPPE	Virtual training on environmental protection for printers in Europe	A virtual classroom for printworkers on the users desktop PC for interactive virtual distance learning.
10954	VAKHUM	Virtual animation of the kinematics of humans for industrial, educational and research processes.	Real time visualisation of complex animated objects - biomechanical simulations, using kinematics, finite elements for modelling and animation of

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			joints and combinations of joints.
10982	M-PIRO	Multilingual personalised information objects	Delivery of multilingual information, using adaptive user modelling in the application area of museums and virtual museums.
10984	GEODAS	Reusable generic components for the development of high-speed data acquisition and analysis systems	Development of a platform-independent way of collecting and analysing data.
10987	CERTIMARK	Certification for watermarking techniques	Development of benchmarking platform for the certification of watermarking algorithms and creation of a European task force on watermarking technologies.
11009	ESTEDI	Spatio temporal data infrastructure for high performance computing	Field tested open prototype platform with standards based retrieval on multi terabyte data in heterogeneous networks.
11014	SHUFFLE	An agent based approach to controlling resources in UMTS networks	Architecture for efficient and scaleable real-time control of resources in UMTS by using distributed software technologies (intelligent agents) versus a centralised solution.
11017	CADENUS	Creation and deployment of end-user services in premium IP networks	Development, validation and demonstration of a framework for the provisioning of end-user services with QoS guarantees in IP networks
11027	VR CONFERENCE	Multilingual conferencing in virtual worlds for business purposes	Support tool for on-line conferences with multimedia, multi-user, real-time communication, speech and voice recognition and on-line translation.
11038	I-MEDIA	Intelligent mediation environment for digital interactive advertising	To establish a business technology framework that will support suppliers, advertisers and consumers in the TV advertising process. Mediation platform to measure the efficiency of the advertisements and offer personalised information to the customer.
11051	TUNVIC	Micromechanical widely tuneable VCSEL for WDM telecommunications systems	Tuneable vertical cavity surface emitting laser for low cost WDM applications at 1.5micron.
11053	EQUIP	Entanglement in quantum information processing and communication	Provide theoretical framework for application of quantum mechanical principles to quantum information processing and communication.
11054	NIMED	New imaging head for digital offset ????	Innovative on-fab imaging technology for higher performance electro-optical and microelectronic components.
11055	ACQUIRE	Atomic chips for quantum information research	To develop a novel approach to quantum information processing combining quantum optics with integrated optical and electronic elements.
11060	EBROKER	Electronic brokering services for open trading of information	Establish and design an XML based standard for requirements specification and strategy expression and develop a set of web based supply demand editing tools and the broker itself matching requests for goods and services according to a negotiation strategy.

No	Short Name	Full name	Theme
11061	ECOLNET	European collaborative network	Corporate knowledge management system for geographically distributed organisations, as a platform for information and knowledge sharing.
11065	DYNOCA	A system to realise dynamic networked organisations on heterogeneous networks in the consultancy/agency sector	Tools to support distributed working by consultants in the in the media/design sector.
11073	FINMEDIARY	A financial engineering approach to mediation in the investment funding process.	A mediation service for bringing together SMEs with potential investors in their businesses. Includes tools to help prepare and evaluate business plans.
11078	FASHIONME	Fashion shopping with individual avatars.	Internet based shopping application in which avatars of the individual shoppers explore the virtual shop and can model clothes.
11081	LEMON	Design methodology and implementation of a third generation W-CDMA transceiver using deep submicron CMOS technologies.	The design of a next generation mobile communications transceiver using W-CDMA and the use of deep submicron CMOS technologies in its construction
11090	CHARISMATIC	Cultural heritage attraction featuring realistic interactive scenes and multifunctional avatars as theatrical intelligent characters.	Development of virtual reality attractions for the tourist industry.
11090	CHARISMATIC	Cultural heritage attraction teaching real time interactive scenes	
11100	MTM	Multimedia terminal mobile	Design development and testing of a mobile multimedia terminal and evaluation health, tourism and training testbeds.
11103	CATCH-2004	Converse in Athens, Cologne, Helsinki - 2004	Multilingual conversation system involving speech recognition and synthesis in noisy environments and a speech mark up language.
11112	INTONE	Innovative open MP tools for non-experts	Develop novel programming environment for shared memory processors based on open MP standards.
11114	ADEPT	Advanced design, partitioning and test in communications subsystems	Development of optimal design partitioning , wafer assembly and test methods for ASIP and ASIC technology
11116	VICLA	Virtual interactive communities for large scale audience	Scalable architectures to support large scale realisation of virtual communities - i.e. scaling interactive services up to audiences of millions.
11124	OR-WORLD	Learning and teaching operations - research and management science (OPR/MS) with a web-based hypermedia learning environment	WEB based hypermedia learning environment for distance learning in the area of operations research and management science.
11129	IWICOS	Integrated weather, sea, ice and ocean service system	A marine information system for the Baltic and northern regions integrating meteorological and oceanographic data.
11131	CORVAL2	Enhanced techniques for	Enhanced techniques for the verification of

No	Short Name	Full name	Theme
		CORBA validation	the compliance of CORBA based applications to versions 2.3 and 3.0 of the OMG's standards.
11135	SILK	System integration via logic and knowledge	Development and integration of knowledge management toolset to support systematic software integration (off-the-shelf products).
11136	FLEXBENCH	Flexible bench for architecture prototyping	Development of an environment for design and rapid prototyping of complex digital applications in a hardware platform.
11137	AWARDIS	Microsystems awareness and dissemination	A dissemination and awareness service on microsystems technology
11138	ITSWAP	Intelligent transport services over wireless application protocol	To establish the technical and commercial feasibility of intelligent transport systems
11153	ECAMP	European e-commerce associate merchant programme	Knowledge transfer of e-commerce business models to facilitate e-commerce applications in European organisations.
11156	AMOVITE	Advanced mobile videocommunications technologies	System for the transmission of live video images over GSM
11159	BANCA	Biometric access control for networked e-commerce applications	Using biometric techniques (face and voice recognition) for user authentication in e-commerce applications
11161	DIAMOND	Delivery of ITS applications through multimedia over networks using DAB.	To investigate the use of Intelligent Transport Systems over Digital Audio Broadcast networks, possibly combined with GSM and or the Global Positioning Service.
11172	PISTE	Personalised immersive sports TV experience	System for allowing users to select how they view a TV sporting event.
11185	ENREVI	Enhanced reality for the video	Integrating VR into broadcast systems using PC technology
14049	DESCARTES	Decision support for integrated crew and aircraft recovery on the day of operation .	Model for integrated crew and aircraft recovery on the day of operation.
11206	NEXT MAP	NEXT MAP for transport telematics applications	To evaluate the technical and commercial feasibility of enhanced map databases for transport telematics applications.
11214	HELINET	Network of stratospheric platforms for traffic monitoring, environmental sensing and broadband services	Development of an unmanned high-altitude, long endurance vehicle (solar powered?) as a platform for traffic monitoring, telecoms and environmental monitoring.
11228	FOREMMS	Forest environmental monitoring and management system	Development of a tool for international monitoring and management of forests - it will use advanced tools for data fusion using satellite imagery, airborne and on-site detectors combined with meteorological data.
11234	QAIP	Quantum algorithms and information processing	The application of quantum mechanics to computational problems.
11239	PCIC	Photonic Xtal integrated circuits	Fabrication of optoelectronic components using 2-D photonic Xtals in semiconductors.
11243	SODERA	Reconfigurable low power radio architecture for	Reconfigurable software radio for third generation mobile terminals - in particular

No	Short Name	Full name	Theme
		software defined radio for third generation mobile terminals	identification of the optimum hardware architecture and technology for these systems.
11244	HEAVEN	Healthier environment through abatement of vehicle emissions and noise	Develop and demonstrate a decision support system for evaluating mobility related emission, based on real time monitoring and modelling of pollution sources.
11247	DISTRICT	Developing and improving consumer supplier relationships in traditional commerce using information and communications technologies	A set of tools and an associated business model to help small food retailers remain competitive in the e-commerce era whilst keeping their distinctive marketing approach.
11251	PASTORAL	Platform and software for terminals: operationally reconfigurable	Provide a platform for the development of reconfigurable radio terminals for 3rd generation mobile systems.
11253	TEQUILA	Traffic engineering QoS in the internet at large scale	To study, specify, implement and validate a set of service definitions for traffic engineering tools to obtain quantitative QoS guarantees over internet for fixed and nomadic users.
11256	JASMINE	Java smart integrated network enterprises	Working environment for virtual community in the form of a platform for management of virtual companies.
11261	I-SPEEDER	Imagine a system and processing equipment for deep etching with a double etch rate	Assessment of a leading edge etching tool in order to understand the parameters influencing tool performance and improve the performance of the tool.
11267	DOLPHINS	Digital on-line pilot project to help intermodal networking and short sea shipping	An e-commerce application to support short haul sea transport.
11286	ASIMIL	Aero friendly simulation based distance learning.	A multimedia distance learning course for pilots and aeronautical technicians using simulations.
11287	ADVISOR	Annotated digital video for intelligent surveillance and optimised retrieval.	Develop and demonstrate systems for metro surveillance based on computer vision techniques to analyse video images and detect potential incidents.
11288	NextTV	New media consumption in extended interactive TV environment	Business model evaluation and the integration of different technologies to enable interactivity in digital TV.
11305	ADVICE	Virtual sales assistant for the complete customer service process in digital markets	Development of an electronic virtual sales assistant with an audio visual interface
11306	ARCHEOGUIDE	Augmented reality based cultural heritage on-site guide	Using head mounted displays to increase the level and quality of information at historic sights (3-D models, images, audio clips).
11316	R-FIELD BUS	High performance wireless field bus in industry related multimedia environment.	A wireless field communication system using the field-bus format for industrial applications.
11317	SONIA	Self organising network for information access	Information organisation, search and retrieval in local area networks.
11337	ICITIES	Information cities	Development of an open multi agent environment, flexible and adaptive to the dynamic information society.



No	Short Name	Full name	Theme
11345	PEACH	Production and presentation environment using agents for building information channels	Editorial system for the development, production and provision of personalised information channels.
11355	PRESERVE	Productive engineering for innovative production technologies by knowledge based service networks	Establish standard communications channels between the partners in a network and create software tools to establish a controlled knowledge life cycle.
11372	INTERACT	Interactive services and management support for environmental impact assessment and permitting procedures	Workflow management system to support permission and environmental impact assessment procedures for environmental protection applications.
11376	SYDIC_ TELECOM	System design industry council of European telecoms industries	Make system level design more available, useable storable and preservable through the development of a system level design language.
11379	PALAS	Powerline as an alternative local access	To develop, simulation and consultancy tools, service models, roll out strategies and road maps for powerline communications as an access network.
13078	KITS	Knowledge information transfer system	Encourage the effective use of advanced e-commerce technologies and methodologies by SMEs through the establishment of a community of interest in several European countries.
11387	LION	Layers interworking in optical networks	Interoperability of client server layered networks and resilience of multilayer networks.
11397	TRIAL- SOLUTION	Tools for re-usable integrated adaptable learning systems/standards for open learning using tested interoperable objects and networking.	Develop new ways of creating, delivering and managing personalised education and training by implementing authoring and delivery tools and a library of learning objects.
11400	MOTION	Mobile teamwork infrastructure for organisations networking	A distributed communications infrastructure integrating intelligent and mobile agents and information-push technology in support of ubiquity.
11406	COASTBASE	The virtual coastal and maritime data warehouse - an open system architecture for integrated distributed coastal and maritime information search and access.	Data service providing access to basic aggregated European coastal data for administrations and communities.
11407	TQPRO	Translation quality for professionals	To develop standards and software tools for automated language testing.
11411	MEDCOM	Microwave electro-acoustic devices for mobile and land based communications	Apply thin film deposition techniques for piezoelectric material deposition for fabrication of surface acoustic wave filters for microwave applications.
11421	DIVIPRO	Distributed virtual prototyping	Multi-sensor (visual, audio and two handed tactile) telepresence for real world simulation of prototypes that can be 'handled' concurrently by several users.
11422	MIGRATION2000	Migration of image generation and registration authoring tools to open	Defining and developing a new generation of content creation and personalisation tools for still pictures adapted to the

No	Short Name	Full name	Theme
		standards.	emerging standard JPEP2000.
11425	ISCOM	Information systems for combined mobility management in urban and regional areas	A system to manage traffic on roads across borders with demonstrations in several European capital cities.
11429	M3I	Market managed multiservice Internet	Development of next generation system which will enable flexible internet management through market forces
11430	CCMICRO	Competence centre microactuators	An initiative to promote microsystems to industrial users - the focus is microactuators.
11433	MAGIC-FEAT	Meshes and global integration for semiconductor front-end simulation	Toolset generation for adaptive, time dependent, non-planar geometries of semiconductor technology.
11436	MESMERIC	Mechanical stress model for packaged ICs	Produce a standard silicon test chip for evaluating current and future IC packages, together with a PC interface and software to facilitate desk top testing of thermal/mechanical performance and comparing it with modelled performance.
11438	MUCHMORE	Multilingual concepts for medical information organisation and retrieval	Develop technologies and a prototype system for multilingual information organisation and access in the medical sector.
11443	OCCAMM	Open components for controlled access to multimedia material	Tools and components for the management of multimedia content IPR.
11449	PRO3	The protocol processor project	Develop and fabricate a protocol processor (RISC core extension) to accelerate execution of telecom and data transport protocols.
11457	SRC	The smart radio companion	Develop an end to end system for personalised radio, in which users can control when they want to listen to what element of the programming.
11459	TREAT	A system for balancing antibiotic treatment against development of drug resistance.	A medical decision support system for managing the use of antibiotics in such a way as to minimise the likelihood of drug resistant strains of bacteria emerging
11461	UPPER BEST	User specified process simulation European research: back end simulation	Simulation of the fabrication processes of the electrical properties and the reliability of integrated circuits.
11476	ODETTE	Object oriented co-design and fabrication technologies	A methodology to avoid the paradigm differences between system specification, software development and hardware design by reducing the entire design time and cost of digital embedded hardware/software.
11479	MAGICQC	Magnetoelectronics in quantum computing	To develop quantum dots with controllable coupling and to use quantum coupling as quantum bits.
11488	PING	Platform for interactive network games	Architecture and infrastructure development for multi-player on-line games, tested by means of a trial in Greece.
11490	MEDITRAN	Open medical information	Ensure continuous cost-effective

No	Short Name	Full name	Theme
		platform for continuous healthcare services to European travellers	healthcare services to European travellers with emphasis on those with chronic diseases.
11495	SOL-EU-NET	Data mining and decision support for business competitiveness: Solomon European virtual enterprise	An initiative to share European expertise in data mining and decision support
11498	ARETOPS	A reference system architecture and technology platform for the shipping sector.	Communication platform between business units facilitating the implementation of business processes in the shipbuilding industry (layered object oriented information system).
11531	PACE	Purse application for cross border use in the Euro	Development of open standards for an electronic purse for use throughout the Euro zone.
11556	VISIONS	Virtual studies in digital storytelling	Developing a multiplatform virtual reality software product dedicated to the virtual prototyping and authoring of various kinds of stories.
11557	INTERVAL	Formal design, validation and testing of real time telecom systems.	Development of concepts for real time formal methods based on SDL, MSC and TTCN into a tool set.
11562	NESPOLE	Negotiating through system language in e-commerce	Speech to speech translation systems to support multimodal multi-lingual e-commerce services scenarios.
11565	BUN	Bottom up nanomachines	Design, synthesis and test of molecular devices like molecular wires, molecular 3 terminal gates and intramolecular circuits.
11567	TEAM-MOS	Methodology and tools for world best teamwork in hospitals	To develop and verify an innovative methodology and a set of tools for the analysis of hospitals' requirements to specify, design and implement adequate ICT solutions supporting team working in hospitals.
11570	MEDIAT-SME	Methodology and tools for world-best introduction of innovative worked mediation systems and services n traditional SMEs	An integrated kernel of methods and tools for Internet based mediation system for traditional manufacturing SMEs.
11571	EMBRACE	Efficient millimetre broadband radio access for convergence and evolution	Low cost broadband wireless local loop using 40 GHz cellular radio technology.
11577	EYE 2 EYE	Fitness-for-purpose of communications technologies.	Development of fitness-for-purpose models and guidelines to enable different users to select and configure equipment and networks to match the specific purposes of real time person-to-person communication.
11587	U-FACE	User friendly access control systems for financial and healthcare applications	Development of user friendly secure access control for finance (home banking), healthcare (patient records) based on biometric methods (facial recognition).
11590	OPENISE	Open platform for enhanced interactive services	Development of an open server platform that supports MPEG2/4 streaming and 'virtual' capabilities, together with a platform to support broadband access, such as ADSL.
11591	MOEBIUS	Mobile extranet based	To demonstrate integrated secure mobile

No	Short Name	Full name	Theme
		integrated user services	external service platform (for SMS, GPRS, cellular IP) with mobile IP with an application in the healthcare sector.
11594	EQUIS	Enabling technologies for quantum information systems	Design, fabrication and testing of new types of single photon detector and associated circuitry for fibre based quantum communication systems.
11595	COMMUNICAR	Communication multimedia unit inside car	Design and develop an on-vehicle human machine interface .
11598	OSIRIS	Operational solutions for the management of inundations in the information society	Tools to support decision making in flood crisis management.
11599	HUNT	Hundred nanometre CMOS technology	Integration of a high performance 100nm CMOS front end technology for logic applications.
11603	SIGMOS	SiGe channel and source drain for deep sub-micron CMOS	Development of 50nm channel length CMOS devices in three different configurations.
11617	QPID	Study for the construction of quantum information processing device using doped fullerenes	Nano-engineering of doped fullerene structures on silicon to demonstrate a quantum information processing device in which the q-bit is held as the nuclear spin of a dopant atom attached to a fullerene molecule.
11631	CLARIFI	Clear and reliable information for integration	Creation of a broker infrastructure to support the practical application of component based software engineering in the marketplace and implement to support a number of practical applications.
11633	COMATEAM	Colour matrix liquid crystal display towards electronic advertising and message outdoor boards	Application of LCD displays to large outdoor advertising and display panels, eg for traffic information etc.
11634	CORONET	Corporate software engineering of knowledge networks for improved training of the workforce.	To improve efficiency of WEB based training of the work force in the domain of innovative software engineering methods and techniques.
11641	HYPERGEO	Easy and friendly access to geographic information for mobile users	Develop and demonstrate systems/tools to enable value-added information services related to geographic information (based on hypertext and geography).
11658	PROMOTE	Process oriented excellence and tools for knowledge management	Building tools for knowledge management and testing them in banking and insurance applications.
11676	ANFAS	Data fusion for flood analysis and decision support	An information system combining remote data from remote sensors (optical, radar etc) with geographic data for simulating and managing flood events.
11678	TRIDENT	3-D restitution via internet of digital elevation networks in towns.	Prototype system integrating technologies of stereographic image acquisition, digital 3-D cartography, internet networking and data bases.
11683	SAFIRA	Supporting affective links in real time applications	development of sensory and reasoning modules to support a highly intelligent man machine interface that flexibly adapts to user needs.
11686	SICS	Smart integrated collision warning sensor system with	Development of an intelligent radar based sensor with communications and signal

No	Short Name	Full name	Theme
		multiple functions for use in intelligent vehicles	processing capability.
11696	ANGELO	Knowledge based virtual facilitator in team working	Designing new practices and systems to increase the competitiveness of call centres, using different analytical toolsets, catastrophe theory, component analysis and cluster analysis.
11702	myTV	Personalised services for digital TV	Develop new services relying on the concepts of TV anywhere-anytime, developed within DVB and DAVIC, and aimed at personalised services. The services will be based on a set-top-box with built-in storage.
11708	CALIM	Corba architecture for legacy integration and migration.	Workable platform to support legacy applications integration into a component oriented information system.
11712	3D Text Cont	3D Text Cont	Digital image processing in 2 and 3D for seismic data
11719	HARMONICS	Hybrid access reconfigurable multi-wavelength optical networks for IP based communications services	Support and stimulate the convergence of access networks via a common dynamically reconfigurable fibre infrastructure.
11722	ENVITE	Intelligent distributed virtual training environment	To build a platform for synchronous telelearning which can be interfaced with standardised content management.
11724	RSC-MICROACT	Research and Development support centre 'Microactuators'	Establish a support centre to promote the use of microactuators in optical fluidic and electro-mechanical applications.
11729	METRA	Multi element transmit and receive antennas	Multi element transmit and receive antennas for UMTS equipment offering higher bitrate services.
11740	ADAPT-IT	Advanced design approach for personalised training - interactive tools	Developing ICT based tools for training courses for designers and educational scientists.
11742	DAVID	Data and voice integration over DWDM	Definition, design and demonstration of new network solutions (with interfacing to legacy networks) for voice, data and multimedia applications using dynamic wavelength division multiplexing (DWDM).
11746	E-COLLEG	Advanced infrastructure for pan-European industry	Develop a backbone for collaborative work based on the ASTAI(R) infrastructure, provide generic collaborative services (team building) and demonstrate multi-site, multi-platform tools for transparent access over the Internet.
11747	UNIVERSAL	Universal exchange for pan-European higher education	Open brokerage system for exchanging higher education course modules.
11748	LIMBER	Language independent metadata browsing of European resources	Develop multi-language tools to support user access to the data and metadata stored at social science archives across Europe.
11751	LICOTRENAS	Lithography to cross the 1/10 micron resolution node using ARF system technology	Develop a lithographic system capable of supporting a 100 nm metre node.
11754	GEOCAST	GEOCAST	Geostationary satellites for multicast

No	Short Name	Full name	Theme
			system using Ku and EHF frequencies and testing interoperability with IP.
11777	FAMMOUS	Fabrication measurement and modelling of ultra shallow junctions	Supporting evolution towards 0.13 micron technology in 2003, 0.1 micron technology in 2006 and 70nm technology in 2009.
11780	DYCONET	Dynamic interorganisational co-operative networks for the maritime industry	Implement an inter-organisational dynamic network for real time supply chains.
11781	ETB	The European schools treasury browser	Building a WEB educational resource offering a metadata networking infrastructure for schools in Europe.
11791	FASTER	Flexible access to statistics, tables and electronic resources.	Flexible metadata interface which will accelerate access to all types of statistical data.
11806	NANOLITH	Arrays of microguns for parallel e-beam nanolithography.	Electron beam guns with sub 10nm plasma source to deliver sub 30nm beams for mask making with 100nm feature sizes.
11807	FACT	Ferroelectrics for advanced communications technologies	New types of electronic components for microwave engineering
11820	COVAX	Contemporary culture virtual archive in XML	To analyse and draw up the technical solutions required to provide access through the internet to homogeneously encoded document descriptions of archive library and museum collections based on SGML/XML
11823	FOND-MST	Formation of a new design centre for MST	Establishment of a one-stop-shop for design information on microsystems technology.
11826	APC300	Advanced process control for 300mm plasma production process	Evaluation of innovative European made prototype OEM equipment for semiconductor production.
11832	NORMIC	Nordic microsystems manufacturing cluster	To offer manufacturing services for industry based on silicon bulk micromachining in a high volume production facility.
11840	MEMSOI	European access to manufacturing services for MEMS on SOI micromachining technologies	To widen the use of microsystems technologies in Europe through the development of a dedicated design tool and a network of design houses and providing support to users from design through to production.
11850	DAMASCOS	Dynamic forecast for mask production planning with stock and capacity constraints	Network co-ordination models, sales enterprise models and distribution enterprise models, together with a Website to support dynamic forecasting for mask production and planning.
11858	AFIDA	Anisotropic conductive film die bonder assessment	Evaluate and improve European flip chip bonder for processes using anisotropic conductive films.
11876	CORETEX	Improving core speech recognition technology.	Improve speech recognition with respect to variations in environmental conditions and speaker style.
11883	I_EYE	Interacting with eyes: gaze assisted access to information in multiple languages.	Development of gaze assisted systems and their application in a translation aid and tutoring programme.
11908	PLAY2	Software for the storage of	Establishment of four web sites for

No	Short Name	Full name	Theme
		various music input, conversion of different Braille syntax into sound, graphics, Braille output and telematic access.	archiving and searching Braille text for musicians - includes a Braille OCR and software modules for archiving and retrieving texts.
11913	TEAM	Tools engineering for annotation of multimodal corpora	An integrated innovative best practice environment (toolkit, workbench) for creating, annotating and applying verbal and non-verbal communications corpora.
11926	NIMCUBE	New-use and innovation management and measurement methodology for R&D	Developing a methodology for managing and measuring new-use innovation in R&D and developing tools and an implementation handbook for applying the NIMCYUBE methodology.
11953	SEDRES-2	Systems engineering data representation and exchange standardisation	Development and validation of the ISO/STEP Ap233 data model for the representation and exchange of systems engineering information.
11956	BASS	Broadband access services solution	Development of mechanisms and solutions for the provisioning of broadband services to residential and business users (with voice & data integration and QoS assurance).
11961	XPERTS	XPERTS enables in the machinery engineering domain	Establishing a knowledge base on machine building engineering design information and making this knowledge base visible to interested users.
11967	ACTION	Media controlling and optimisation	Combine real time information processing telecoms and broadcast technologies with electronic commerce workflow personalisation to provide 100% accurate info for media plan preparation
11969	ESCPLAIN	Exploiting non-standard CSP for leveraging application intelligence	Generic software for modelling and solving complex industrial problems.
11974	BIOAND	Biomolecular driven assembly of nanoparticles	Lay groundwork to develop new technologies for the bottom up fabrication of nanoscale devices.
11976	ROBOSENSE	Robotic delivery of sensors in a seismic risk assessment framework	Develop a low cost climbing network capable of adhering and moving across vertical surfaces on large structures and capable of carrying and deploying sensors in remote points in order to assess seismic links.
11978	ARTISTE	An integrated art analysis and navigation environment.	To research, develop and demonstrate an integrated art analysis and navigation environment.
11979	REALSIM	Real time simulation for design of multi-physics systems	Real time simulation tools for the design of systems for the processing industries.
11993	MINING MART	Enabling end user datawarehouse mining	Environment for knowledge discovery from databases with advanced knowledge extraction from large data sets, incorporating in the databases multistrategy learning and pre-processing operators, meta-data models gathering knowledge about constraints on the pre-processing operations.
11994	ECHO	European chronicles on line	Software infrastructure to support digital

No	Short Name	Full name	Theme
			film archives and give web based access to collectors.
11999	TELE-PLAN	A distributed telematics environment for treatment planning in stereotactic radiosurgery	Design and development of a distributed telematics environment for outsourcing the complete disimetric treatment planning procedures for accelerator based radio surgery.
12017	DIVILAB	Distributed virtual laboratory	Collaborative virtual environment based on MPEG4 tools for representation of mixed real and virtual scenes and cognitive tools for co-construction of knowledge - software components for a 'virtual campus'.
12021	CODEX-IP	Collaborative language independent development environment for exemplary based re-usable learning objects in IP learning platforms.	Open learning platform incorporating ICT based course authoring tools, database management tools and an integrated translation engine for multilingual environments.
12026	IVEX-MST	Interactive virtual exhibits in European museums for science and technology.	Develop a user friendly authoring and design system to build up scientific and technological content from museums in 3-D interactive virtual environments.
12026	IVEX-MST	Interactive virtual exhibits in European museums for science and technology.	Develop a user-friendly authoring and design system to build up scientific and technological content from museums in 3-D interactive virtual environments.
12030	XML-KM	XML based mediator for knowledge extraction and brokering	Design of rule based system collecting data from heterogeneous systems collecting data using semi standard methods and tools.
12032	MULTIPRO	A publishing and management system for cross-media teamwork at remote, mobile and heterogeneous workplaces in multimedia broadcast organisation	Tools and systems for mobile broadcasting production teams that enable cross-media publishing.
12040	DRIVE	Drug in virtual enterprise	An information system for the secure exchange of drug-related information between players in the pharmaceutical industry.
12058	PRODACTOOL	Decision support tool for industrial processes, based on probabilistic data clustering	Operations support for machine operation, given large quantities of multi-sensor heterogeneous data in a supervised process.
12061	CASH	Customer after sales help	E-commerce solution for customer support for software products .
12070	TRUST	Transparently reconfigurable ubiquitous terminal	The application of software radio to the development of reconfigurable terminals meeting the requirements of users for future mobile applications.
12073	CCMESYS	Customer support and design centre for physical measurement systems	An initiative to promote microsystems to industrial users - the focus is physical measurement systems.
12078	DIAMANT	Digital film manipulation system	Development of a very large scale repository for the storage and management of media objects (uncompressed film and video).



No	Short Name	Full name	Theme
12085	OCDIS	Optical compensation for displays	Techniques for improving the viewing angle of LCD displays.
12088	OMEGA	Open market energy generation allocation	Decision support software to support energy producers in an open deregulated market.
12100	MADISON	Multi-tier architecture for distributed interactive simulation	A complete architecture for a short-range, multi-user Distributed Interactive Simulation environment.
12115	EUSland	European systems for local authorities networking domains	Information systems for citizens and local authorities in Europe about local official information.
12116	ONRADIO	Developing interactive radio - automated content reshaping, personalised delivery and access to large distributed archives	Automated radios over Internet with focus on content exploitation, management and personalised public access to large audio archives with integrated e-commerce activities.
12128	BRAKE	Distributed automotive safety system	Specification and simulation of a fault tolerant system for automotive safety applications.
12157	AUTHENTIC	Affordable uncooled technology with hermetic encapsulation for thermal imaging	Improved heat sensors operating at room temperatures to develop a low cost high performance infra-red camera.
12163	RENAISSANCE	Virtual renaissance court	Presenting history through the non-oppressive interface of an interactive VR game in order to catch the attention of a wide range of people.
12175	IERAPSI	An integrated environment for rehearsal and planning of surgical interventions	An environment for visualising and interacting with pathology and anatomy demonstrated by advanced imaging and VR techniques.
12179	AIRFORCE	Air forecast in Europe.	Provide better services to air passengers by optimising airport and airline companies services by improved forecasting of passenger numbers.
12181	MODEL	Multimedia for open and dynamic executive learning	Knowledge management systems to enhance organisations ability to capture, structure and transfer knowledge across groups and across time.
12192	CARUSO	Enhanced consumer supplier relationship	Development of software toolkit for supporting consumer supplier relationships.
12201	TPEG	Transport protocol experts group.	To achieve technical consensus and support European standardisation activities in the area of traffic and travel information services.
12203	CIWOS	Combined image and word spotting	Audio visual data retrieval from databases based on keywords entered via the keyboard or through speech.
12216	I-SAY	Integrated speech based ATM safety nets	Studies to establish whether current speech recognition technology can create an air traffic management safety net.
12217	COMMA	Corporate memory management through agents	To implement and trial a corporate memory management framework based on agent technology.
12219	LLAVES	Unlocking topicality in foreground and background information in text	Improving language technology analysing the resolution of clausal syntax to text and the relation between syntax and topical

No	Short Name	Full name	Theme
			themes.
12223	PACKAGE	Provision of improved lifestyles via access to consumer packages	Low technology solutions, based on 'design for all' principles - create a database of products and supermarket chains.
12224	CARSENSE	Sensing of car environment at low speed driving	Development of a sensing system for driver assistance.
12238	MERCI	Management exchange and representation of component information	To establish a service to support the management and dissemination of component information between manufacturers and product developers.
12241	AITRAM	Advanced integrated training in aeronautics maintenance	To develop an advanced training system for aeronautics maintenance.
12245	SODA	Integration and exploitation of networked solar radiation databases for environmental monitoring	Networked information system to supply value added information for environmental applications.
12246	MICROFLUMAD	Microfluidics modelling and design centre	To provide access to tools and support for design and modelling facilities in the area of microfluidics.
12252	SMARTCITIES	Multi application smart cards in cities.	Develop prove and publish an open flexible architecture for multilayer, multi application smart card schemes.
12257	AUTOMACS	Advanced unified lateral DMOS transistor model for automotive circuit simulation.	To validate that more reliable and competitive circuits can be designed with DMOS simulation models for circuits used in the automotive industry.
12259	CO-OPERATE	Co-operation in dynamic networked organisations	Extended enterprise approach supplying a kind of chain management for co-ordination of manufacturing planning and control.
12277	LIVE@WEB.COM	Live interaction with video broadcast over the net	Generation of e-commerce platform broadcasting films, videos and live events over the web - pilot system with ~500 products.
12288	FLEXIL	Fine pitch high density flex interconnection	Develop drivers and interconnects for small displays in the automotive/aerospace and smartcard applications.
12295	SIRLAN	Secured infrastructure for the commercial and residential buildings local area networks	Providing an open solution for a common secured communications infrastructure for the business and home environment.
12300	WSI	Wireless strategic initiative	Validation of existing standards for wireless networks - providing testbeds for other projects to run applications - and definition of future wireless systems.
12306	ATOMS	Assembly tool for molecular structures	Novel nanolithography technique based on ultra-high resolution scanning mask (nanostencil).
12310	GEOWARN	Geo-spatial warning systems Nisyros volcano (Greece) - an emerging case study	Early warning system for volcanic activity based on data collection and seismic monitoring.
12319	MULTIKARA	Multibeam Ka-band receiving antenna for future 'mm-via-satellite direct-to-home' systems	Development of multibeam receiving antennas at 30 GHz for future in-flight applications.
12324	NESSIE	New European schemes for signature, integrity and	The selection of cryptographic primitives, as a result of an open call for submissions

No	Short Name	Full name	Theme
		encryption	within Europe, and development of a methodology for security and performance evaluation of these primitives.
12329	PAPERLESS	Tools for paperless animation	Design and implement an advanced animation environment based on software tools integrated with an innovative interaction device supporting vector-based drawings for artists.
12339	HIGHLIGHT	High performance graphic polymer light emitting diode displays	To develop monochrome and colour light emitting diode flat panel displays for consumer and transportation applications.
12361	SHOPAWARE	Shopaware - new methods of e-commerce - virtual awareness and total customer care.	Uses virtual presence in an e-commerce shopping application which allows interaction between customers simultaneously visiting the site.
12364	TOSCA	Social observation table of call centres	Developing a social and economic table of a telephone call centre and develop European level benchmarks.
12392	NAMIC	News agencies multilingual information clarification	Develop and bring to the market advanced natural language processor technologies for multilingual news customisation and broadcasting.
12393	MC4	Manufacturing cluster 4 take up action	Provide services allowing industry to incorporate microsystems more easily into products.
12395	MYTHE	Multimedia young children thesaurus for educational purposes	Design and development of a multilingual interactive system for teaching Dutch, English and Greek to young children.
12438	BETWEEN	Between the images	Develop and evaluate advanced software tools which use image vectorisation to streamline the cartoon production process.
12502	D-LAB	Organising the decentralisation of clinical testing outside laboratories	Virtual laboratory to integrate and monitor all testing activities in hospitals, pharmacies and health centres.
12503	KOD	Knowledge on demand	Data mining system for dynamic personalised knowledge acquisition via the internet (knowledge router).
12504	AJACS	Applying Java to automotive control systems	Demonstrate open technology allowing the application of Java in automotive control units such as engine management systems
12508	VINE	Video navigator and editor	Development of a new generation video browser and navigator using hyper-video representation and manipulation of the inner structure of a video document.
12508	VINE	Video navigator and editor	Develop a new generation video browser and editor.
12515	DRIVE	Dynamic radio for IP services in vehicular environments	Definition and demonstration of a platform for high quality IP services in a heterogeneous multi-radio environment for in-vehicle multimedia services.
12516	I-TV	I-TV - Designing, authoring and producing enhanced televised content on the Internet and TV.	Design, author and deliver visual content on the Internet (Internet-TV) by implementing tools and applications.
12529	PROFIT	Prediction of temperature gradients influencing the quality of electronic products	Development of accurate experimental and numerical techniques for determining temperature gradients in packaged devices.

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12534	CRISP	Cost reduction and improved screen performance through the enabling technologies for PALC displays	Development of technologies for Plasma Addressed Liquid Crystal displays - flat screens for TVs and professional publication displays.
12550	PEARL	Practical experimentation by accessible remote learning.	System to enable students to conduct real world experiments as an extension of computer based distance learning.
12552	PARREHA	Rehabilitation IT aid for Parkinsonians	Development of a training system using virtual reality simulation for better care of patients with Parkinson's disease.
12554	ASPIS	an authentication and protection innovative software system for DVD-ROM and Internet	A software protection system to provide secure software access from DVD-ROM or over the internet
12566	CLOCKWORK	Creating learning organisations with contextualised knowledge – rich work artefacts	Development of a methodology and tools for corporate knowledge management, sharing knowledge and supporting the reuse of simulation.
12581	JUST	Just in time health emergency interventions training of non professionals by virtual reality and advanced IT tools	Using advanced IT tools for training non professional health emergency operatives - a WEB/CD training course and a virtual reality verification tool to simulate real situations.
12585	RAA	Recognition and analysis of audio	Online monitoring of audio services using audio 'DNA' to check for IPR violations.
12603	NANOMOL	Manufacturing and modelling of nano scale molecular electronic devices	Develop a manufacturing technique and theoretical models for nano scale molecular electronic devices.
12605	SAMBITS	Systems for advanced multimedia broadcast and IT services	To develop a multimedia studio system and demonstrate integrated services (Internet and DVB).
12619	ISOP1	Interoperability and security of open systems	Definition of reference architectures for interoperability and security in smart card payment applications.
12637	SPARTA	Security policy adaptation reinforced through agents	Development of innovative and intelligent security modules supporting a high level of security for IT elements.
12641	FAIRWIS	Trade fair web based information services	VR tools to create virtual trade fairs or to enhance exhibits in physical fairs.
12643	TOURBOT	Interactive museum telepresence through robotic access.	Interactive tour guide for virtual museums on the Internet.
12645	LORE	Leveraging operational resource expertise	Documentation management system to support group working in capturing and maintaining records.
12659	SHARP PMR	Software and hardware architecture for re-configurable PMR terminals	To develop a reconfigurable hardware and software platform to support heterogeneous networks and services for security and emergency organisations.
12665	VIRTUAL WINERY	Virtual winery	Development of a WEB based virtual reality service for the promotion and sale of wines, including consideration of the legal complications of cross-border wine sales.
12670	VIRTUAL BLACKBOARD	VIRTUAL BLACKBOARD 'distributed learning environment'	Open platform based on MPEG4 for the virtual world representation and coding, incorporating lecture authoring tools, content management and retrieval tools.

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12676	SUMMIT	Surface measurement system with integrated TxRF	Integrating a TxRF module into a VPD preparation system for 300mm wafers.
12679	DREAM	Distributed resource evolutionary algorithm machine	Software infrastructure supporting evolving infohabitants in an open and scaleable way - definitions of algorithms for evolving agents and definition of meta optimisation procedures so that the algorithms can be optimised in response to the evolving virtual world.
12685	CORMA	Practical methods and tools for corporate knowledge management - sharing and capitalising engineering know-how in concurrent enterprises	A software platform for rapid knowledge management in the supply chain will be developed and implemented in four places.
12700	GIFT	GaAs based emitters for fibre optical data and telecommunication	Development of GaAs based emitters for fibre optical data and telecommunication.
13021	QUBITS	Quantum information processing and transfer with single atoms and photons	Study of decoherence and entanglement of different quantum systems - atoms, ions and cavities - for use in quantum computing.
13036	PRIME	Prediction of congestion and incidents in real time for intelligent incident management and emergency traffic management.	Infrared methods for predicting incidents and congestion, sensing and verifying incidents in support of traffic management systems.
13046	MCP	Multimedia car platform	A multimedia services platform for the car, combining communications, navigation and entertainment.
13047	MICRO-TRANS	Microprobe multisensor for graft viability monitoring during the preservation and transplantation	A multisensor system for monitoring the status of organs for transplantation to assess their viability for transplantation and for monitoring their behaviour during the post-operative period.
13052	3D	Digital Design and Development of tourism products and services	Development of a system for the distributed collaborative design of tourism packages.
13059	STARFISH	State of the art financial services for the inhabitants of isolated areas.	Remote banking services for isolated areas with pilots in two countries (Greece and Finland).
13071	QUICOV	Quantum information with continuous variables	Realising quantum communications with continuous variables such as the qualitative amplitudes of the quantised electromagnetic field.
13079	VOEU	Virtual orthopedic European university.	Establishing a virtual institute for teaching European surgical standards.
13082	ASSAVID	Automatic segmentation and semantic annotation of sports videos	Development of techniques using MPEG 7 for the automatic segmentation and automation of sports videos
13093	FREETEXT	French in context: an advanced hypermedia call system featuring NLP tools for a smart treatment of authentic documents.	Hypermedia computer assisted language learning system for intermediate and advanced learners.
13099	DNA based electronics	DNA based electronics	Development of DNA based electronics by exploring the electronic properties of DNA in order to use it as a template for

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			molecular electronic components.
13123	IMAGEN	Intelligent multimedia application generator	Develop a multimedia authoring system that automates content selection/layout design for publication and distribution of digital media over the Internet.
13305	WINMAN	WDM and IP network management	Demonstrate an intelligent management solution (configuration, fault, performance) for IP over hybrid transport networks, supporting service level agreements for IP connections.
13313	E-HOME	Electronic home and office for the multimedia era.	Electronic home network allowing access to heterogeneous public/indoor multimedia services (automation, computing entertainment).
13322	LOBSTER	Large optical bandwidth amplified systems based on telluride fibres doped with rare earth	Realise wideband optical fibre amplifier covering the 1.45 to 1.63 micron range using erbium and thallium doped single mode telluride fibres.
13346	AIT-VEPOP	Advanced Information Technology fir Virtual Early Prototyping Open Platform	Development of co-operative design tools for virtual prototyping of products
13347	COGITO	E-commerce with guiding agents based on personal interaction tools	Intelligent aid for e-commerce, providing user friendly conversational interaction, user guidance and personalised searching.
13352	CHS	Distance information technologies for home care	Personal health services that connect the patient's home with the rest of the information infrastructure to provide a new generation of telemedicine services.
13365	DIVERCITY	Distributed virtual workspace for enhancing communications within the construction industry	Improved processing of building design by providing a virtual workspace for the client briefing, design review and construction phases of a project to enable greater interactive input from all stakeholders.
13368	INTECS	Informative services and technology access for biomedical microdevices.	An awareness and dissemination initiative on biomedical microsystems.
13369	DESIGN-MST	UK design house consortium for MST take up actions	Consultancy on microsystems technology
13391	THEMAPORT	Cultural thematic documentation portals on the world wide web.	Data warehousing over the web (server, web caching, web based agents, data mining, queues, metadata, indexing).
13450	MOEMS	MOEMS customer support centre	Build up a customer support centre for MOEMS (micro-optical devices)and promote the value of the technology outside the telecoms industry.
13471	NANOMEM	Semiconductor free nanoscale non-volatile electronics and memories based on magnetic tunnel junctions.	Semiconductor free nanoscale non-volatile electronics and memories based on magnetic tunnel junctions
13478	PAMELA	An integrated bio-sensor for patient monitoring by measurement of extremely low analyte concentrations in the blood	Development of an automated blood measurement device using surface plasmon resonance and acoustic wave technology for monitoring prostate cancer patients.
13479	C-WEB	C-WEB - a generic platform supporting community webs	The development of a platform based on open standards for supporting community webs.

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13515	G3CARD	Generation 3 smart card	Development of a processor using asynchronous logic for use in the next generation of smart cards.
14000	MIDEMAS	A microsystems development, prototyping and manufacturing service.	Optimisation and standardisation of systems manufacturing , comprising sensing, evaluation and packaging.
14001	MOPL	Development of a modular open platform and tools for personalised learning in computational engineering methods.	Development of a personalised learning platform integrating existing software modules for training in the theory and application of modern computational methods.
14027	ADICOL	Advanced insulin infusion using a control loop	Develop and test a personal dosing system based on biosensor technology and advanced software to improve the treatment of diabetes.
19009	PHOBOS	Photonic crystal based optical structures	Fabrication and testing of an optically readable elastomer.