



IST ERA Taxonomy (Version 1)

IST ERA TAXONOMY (Version 1)

For the classification of the IST ERA projects the following “IST ERA taxonomy (Version 1)” is chosen, which consists of the relevant part of the IRC (Innovation Relay Centre) technology taxonomy which is used for classifying EUREKA projects.

As CISTRANA focuses on IST Research Areas, only the first part of this taxonomy is taken and the numbering was adapted. In the first version of this taxonomy none of the items were changed, though there might evolve some changes over time.

ICT Technological Area	
1	Electronics, Microelectronics
1.1	Automation, Robotics Control Systems
1.2	Digital Systems, Digital Representation
1.3	Electronic Circuits, Components and Equipment
1.4	Electronic engineering
1.5	Embedded Systems and Real Time Systems
1.6	High Frequency Technology, Microwaves
1.7	Magnetic and superconductive technology
1.8	Microengineering
1.9	Micromachining
1.10	Nanotechnologies related to Electronics and Microelectronics
1.11	Optical Networks and Systems
1.12	Peripherals Technologies related to Electronics and Microelectronics
1.13	Printed Circuits and Integrated Circuits
1.14	Quantum Informatics
1.15	Semiconductors
1.16	Smart Cards and Access Systems
2	Information Processing, Information System
2.1	Advanced Systems Architecture
2.2	Archivistics / Documentation / Technical Documentation
2.3	Artificial Intelligence (AI)
2.4	Computer Games
2.5	Computer Hardware Technology
2.6	Computer Software Technology
2.7	Computer Technology / Graphics, Meta Computing
2.8	Data Processing / Data Interchange, Middleware
2.9	Data Protection, Storage Technology, Cryptography, Data Security
2.10	Databases, Database Management, Data Mining
2.11	Electronic Commerce, Electronic Payment, Electronic Signature
2.12	Imaging, Image Processing, Pattern Recognition
2.13	Information Technology / Informatics
2.14	Internet Technologies
2.15	Knowledge Management, Process Management
2.16	Simulation
2.17	Speech Processing / Technology
2.18	User Interfaces, Usability
3	IT and Telematics Technology
3.1	Software for Health
3.2	Software for Tourism
3.3	Software for Transport, Logistics and Human Resources (Enterprise Resource Planning – ERP)
3.4	Application Service Providing (ASP)
3.5	e-Government
3.6	Environment Management Systems
3.7	GIS Geographical Information Systems
4	Multimedia
4.1	Cultural Heritage
4.2	e-Learning
4.3	e-Publishing, Digital Content

4.4	Human Language Technologies
4.5	Information Filtering, Semantics, Statistics
4.6	Visualisation, Virtual Reality
5	Telecommunications
5.1	Audiovisual Equipment and Communication Technology
5.2	Broadband Technologies
5.3	Mobile Communications
5.4	Narrow Band Technologies
5.5	Network Technology, Network Security
5.6	Radar
5.7	Research Networking, GRID
5.8	Satellite Technology / Systems / Positioning / Communication
5.9	Signal Processing

ICT Sector of Implementation	
1.	Industrial Equipment and Machinery
1.1	Electrical and Electro-mechanical Equipment and Machinery
1.2	Environmental Equipment and Machinery
1.3	Hoisting and Conveying Machinery
1.4	Measurement and Testing Equipment
1.5	Security / Safety Equipment
1.6	Thermal Equipment
1.7	Mechanical System-machine Tools
1.8	Construction Equipment and Machinery
2.	Electronics, Information & Communications
2.1	Electronics
2.2	Telecommunications
2.3	Computer Hardware
2.4	Software Activities
3.	Chemicals, Materials and related Equipments
3.1	Wood / Paper
3.2	Metallurgy / Metalwork
3.3	Construction Materials
3.4	Glass
3.5	Ceramics
3.6	Plastics / Rubber
3.7	Chemicals
4.	Energy
5.	Transportation
6.	Medical / Health related
6.1	Pharmaceuticals
6.2	Cosmetology
6.3	Biomedical
7.	Agricultural, Forestry, Fishing, Animal Husbandry and related Products
7.1	Agriculture
7.2	Fishing, Seafood and Farming
7.3	Food Products
8.	Consumer Goods
8.1	Graphic Arts
8.2	Textiles – Clothing - Leather Footwear
8.3	Packaging
8.4	Domestic and Leisure Goods
8.5	Other Consumer Goods
9.	Services
9.1	Services in Industrial Areas
9.2	Professional Service Industries
9.3	General Public Service Industries

Alphabetical Index:

ICT Technological Area	Numerical code
Advanced Systems Architecture	2.1
Application Service Providing (ASP)	3.4
Archivistics / Documentation / Technical Documentation	2.2
Artificial Intelligence (AI)	2.3
Audiovisual Equipment and Communication Technology	5.1
Automation, Robotics Control Systems	1.1
Broadband Technologies	5.2
Computer Games	2.4
Computer Hardware Technology	2.5
Computer Software Technology	2.6
Computer Technology / Graphics, Meta Computing	2.7
Cultural Heritage	4.1
Data Processing / Data Interchange, Middleware	2.8
Data Protection, Storage Technology, Cryptography, Data Security	2.9
Databases, Database Management, Data Mining	2.10
Digital Systems, Digital Representation	1.2
e-Government	3.5
e-Learning	4.2
Electronic Circuits, Components and Equipment	1.3
Electronic Commerce, Electronic Payment, Electronic Signature	2.11
Electronic engineering	1.4
Electronics, Microelectronics	1
Embedded Systems and Real Time Systems	1.5
Environment Management Systems	3.6
e-Publishing, Digital Content	4.3
GIS Geographical Information Systems	3.7
High Frequency Technology, Microwaves	1.6
Human Language Technologies	4.4
Imaging, Image Processing, Pattern Recognition	2.12
Information Filtering, Semantics, Statistics	4.5
Information Processing, Information System	2
Information Technology / Informatics	2.13
Internet Technologies	2.14
IT and Telematics Technology	3
Knowledge Management, Process Management	2.15
Magnetic and superconductive technology	1.7
Microengineering	1.8
Micromachining	1.9
Mobile Communications	5.3
Multimedia	4
Nanotechnologies related to Electronics and Microelectronics	1.10
Narrow Band Technologies	5.4
Network Technology, Network Security	5.5
Optical Networks and Systems	1.11
Peripherals Technologies related to Electronics and Microelectronics	1.12
Printed Circuits and Integrated Circuits	1.13
Quantum Informatics	1.14
Radar	5.6
Research Networking, GRID	5.7
Satellite Technology / Systems / Positioning / Communication	5.8
Semiconductors	1.15
Signal Processing	5.9
Simulation	2.16
Smart Cards and Access Systems	1.16
Software for Health	3.1
Software for Tourism	3.2
Software for Transport, Logistics and Human Resources (Enterprise Resource	3.3

Planning – ERP)	
Speech Processing / Technology	2.17
Telecommunications	5
User Interfaces, Usability	2.18
Visualisation, Virtual Reality	4.6

ICT Sector of Implementation	Numerical code
Agricultural, Forestry, Fishing, Animal Husbandry and related Products	7
Agriculture	7.1
Biomedical	6.3
Ceramics	3.5
Chemicals	3.7
Chemicals, Materials and related Equipments	3
Computer Hardware	2.3
Construction Equipment and Machinery	1.8
Construction Materials	3.3
Consumer Goods	8
Cosmetology	6.2
Domestic and Leisure Goods	8.4
Electrical and Electro-mechanical Equipment and Machinery	1.1
Electronics	2.1
Electronics, Information & Communications	2
Energy	4
Environmental Equipment and Machinery	1.2
Fishing, Seafood and Farming	7.2
Food Products	7.3
General Public Service Industries	9.3
Glass	3.4
Graphic Arts	8.1
Hoisting and Conveying Machinery	1.3
Industrial Equipment and Machinery	1
Measurement and Testing Equipment	1.4
Mechanical System-machine Tools	1.7
Medical / Health related	6
Metallurgy / Metalwork	3.2
Other Consumer Goods	8.5
Packaging	8.3
Pharmaceuticals	6.1
Plastics / Rubber	3.6
Professional Service Industries	9.2
Security / Safety Equipment	1.5
Services	9
Services in Industrial Areas	9.1
Software Activities	2.4
Telecommunications	2.2
Textiles – Clothing - Leather Footwear	8.2
Thermal Equipment	1.6
Transportation	5
Wood / Paper	3.1