

# **VCE Research Projects are classified as „OUTSTANDING“!**

**Two European Research Projects coordinated by VCE within FP5 are ranked as outstanding by the European Commission.**

- (1) Project "CASCO": Consistent semi-active System Control**
- (2) Project "IMAC": Integrated Monitoring and Assessment of Cables.**

**Only 30 projects out of total 652 assessed projects received this classification. A list of all outstanding projects is attached.**

## Note on Project Quality Indicators (PQI) for FP5 KA1 and MAT projects

❖ **General information on PQI completed**

The following figures have been extracted from the PQI intranet application. They provide a general overview of the current situation with PQI for FP5 projects within Directorate G.

As of February 11, 2005, a total of 652 PQI have been recorded in the application, including 268 start, 240 mid- and 144 final term PQI .

*Table 1*

Start	Mid-term	Final	Total
268	240	144	652

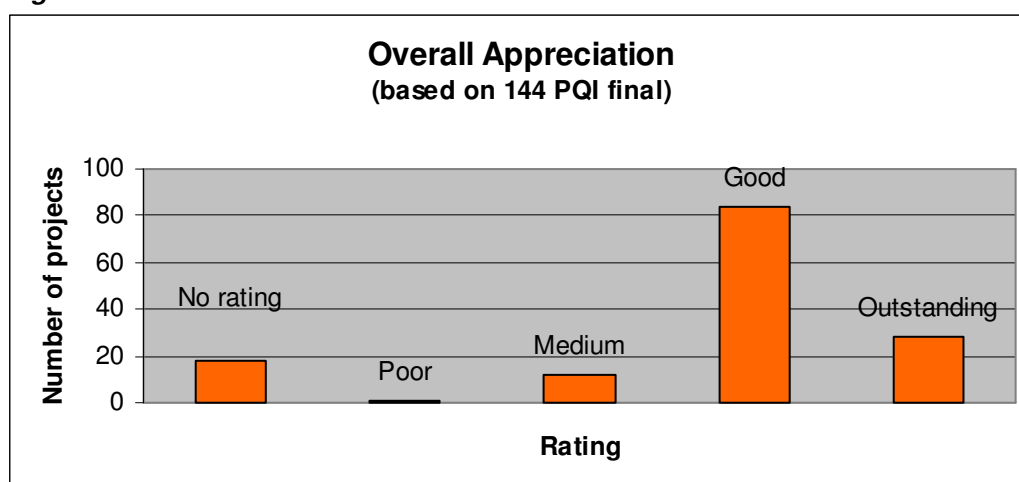
For projects ending in 2002-2003, 99 out of a total of 245 (40%) have a final PQI completed, 110 projects have a mid-term PQI completed and 108 have a start PQI completed.

For projects ending in 2004, 52 out of 273 have a final PQI completed, 69 have a mid-term PQI completed and 86 have a start PQI completed (not all PQI are yet recorded in the application, which explains the differences with the table).

❖ **Overall appreciation (PQI final only)**

Among the 144 PQI final recorded in the application, a total of 30 projects are considered as outstanding and 84 are considered as good, indicating that 78 % of completed projects can be considered as successful. 12 projects are medium and only 1 project is considered poor.

*Figure 1*



❖ **Appreciation for the five main PQI criteria (all PQI: start, mid-term and final) and sub-criteria**

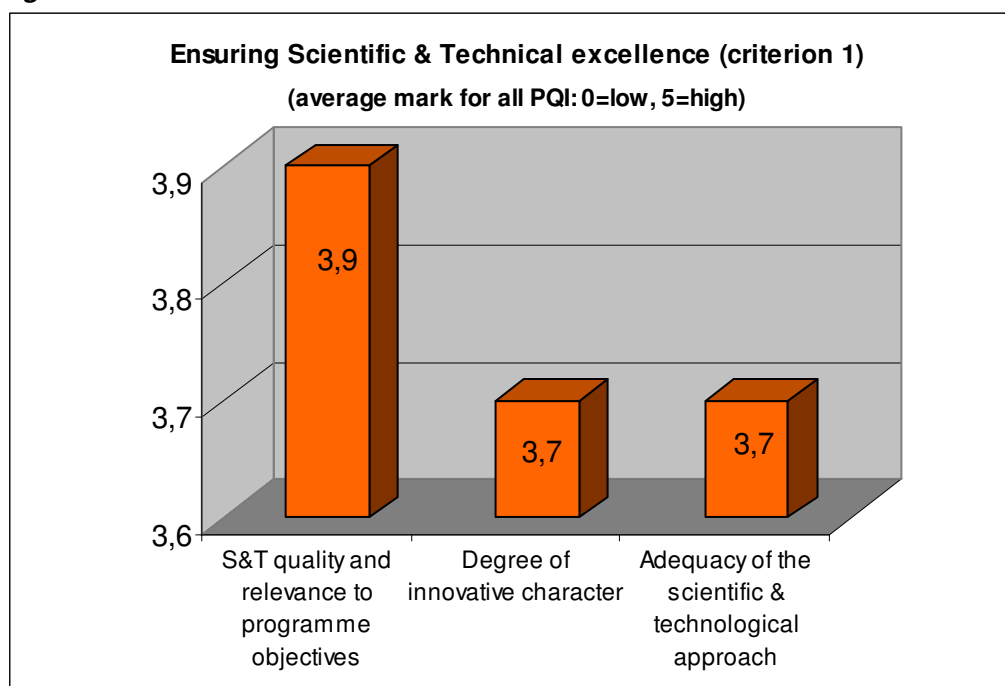
The PQI are built around five main criteria, namely:

1. Ensuring scientific & technical excellence;
2. Quality of approach, partnership and management;
3. Stimulating Community added value;
4. Answering to societal needs;
5. Economic development and S&T perspectives.

Each main criterion comprises 3 sub-criteria for which a mark from 0 to 5 must be given. A mark of 1 means poor performance while a mark of 5 means excellent performance.

If we look at the scoring for each of the five **main** criteria, the criterion where projects score, on average, the highest, is the first one "*Ensuring scientific and technical excellence*" (average of 3,8 for the three sub-criteria). In this criterion, the **sub-criterion** for which projects score the highest is "*Scientific & technological quality and relevance to programme objectives*" (3,9). This seems to indicate that a large majority of projects remain of a high scientific quality and very relevant throughout their lifetime.

**Figure 2**



The criterion where projects score, on average, the lowest, is criterion 4 "*Answering to societal needs*" (average of 3,5 for the three sub-criteria). In particular, the **sub-criterion** for which projects score the lowest among all 15 sub-criteria (average of 3,3) is "*Implication on employment prospects as well as skill use and skill development*", which might be explained by the fact that this criterion is very difficult to estimate at the end of the project.

Figure 3

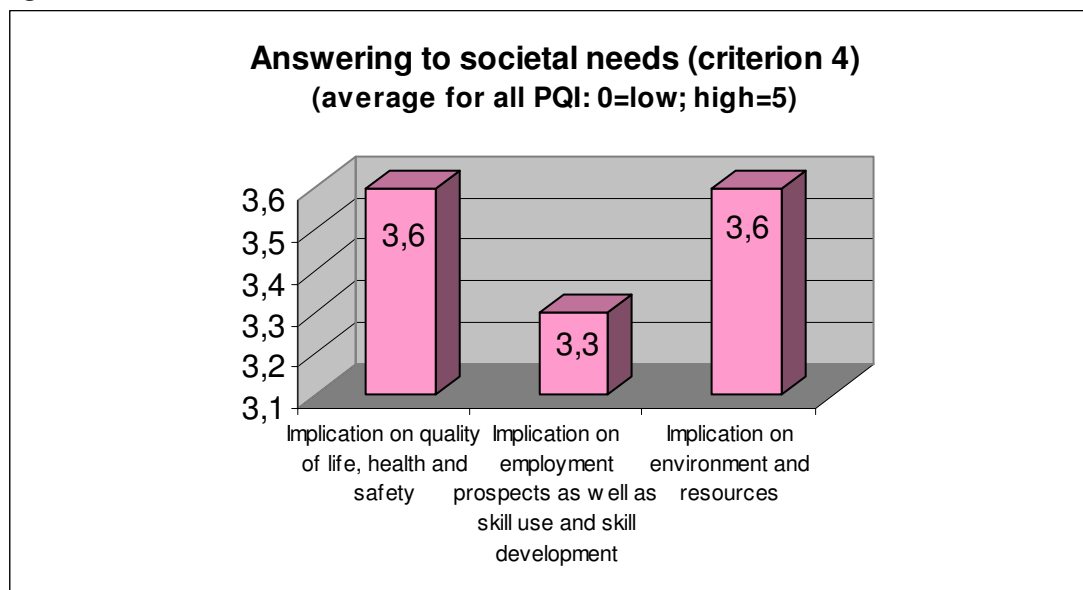
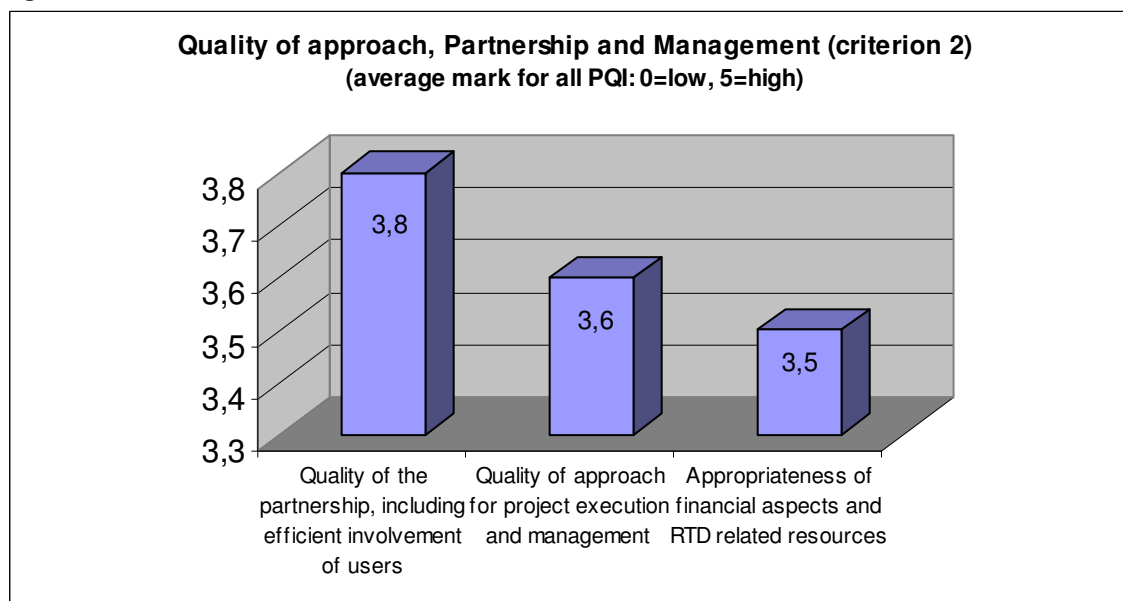


Figure 4



Among the 15 sub-criteria, the ones which receive, on average, a good score, are - in addition to S&T quality and relevance...- *“Strategic impact/contribution to competitiveness”* (3,9), *“Contribution to solving problems with a European Dimension”* (3,8) *“Quality of the partnership, including efficient involvement of users”* (3,8).

The ones which receive the lowest scores are - in addition to *“implication on employment prospects...”* - *“Appropriateness of financial aspects and RTD related resources”*(3,5), *“Contribution to technological progress/dissemination strategies”* (3,5) and *“Support to EU policies as well as to standards and regulations”* (3,5).

Figure 5

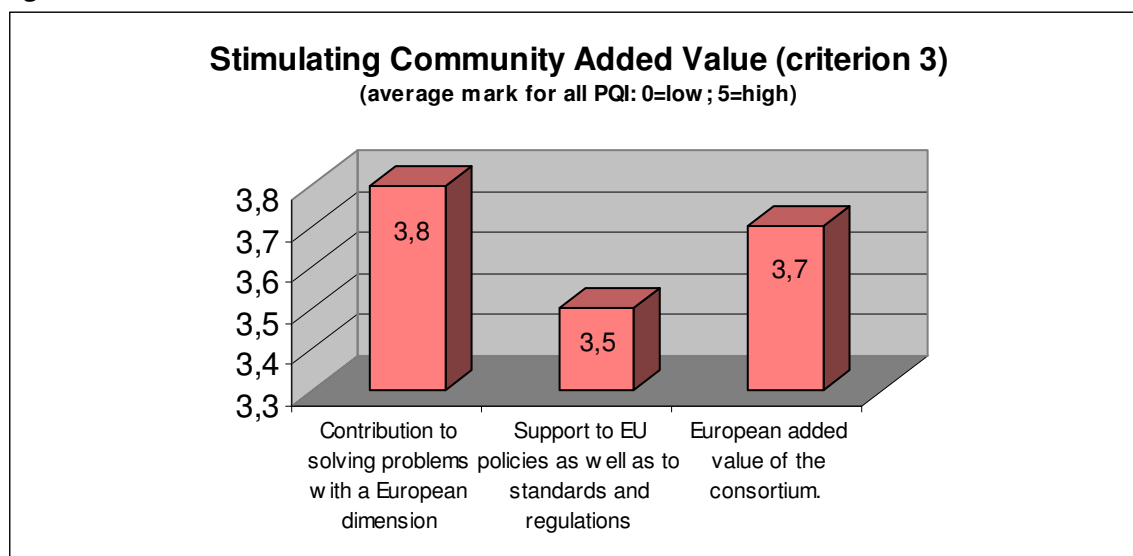
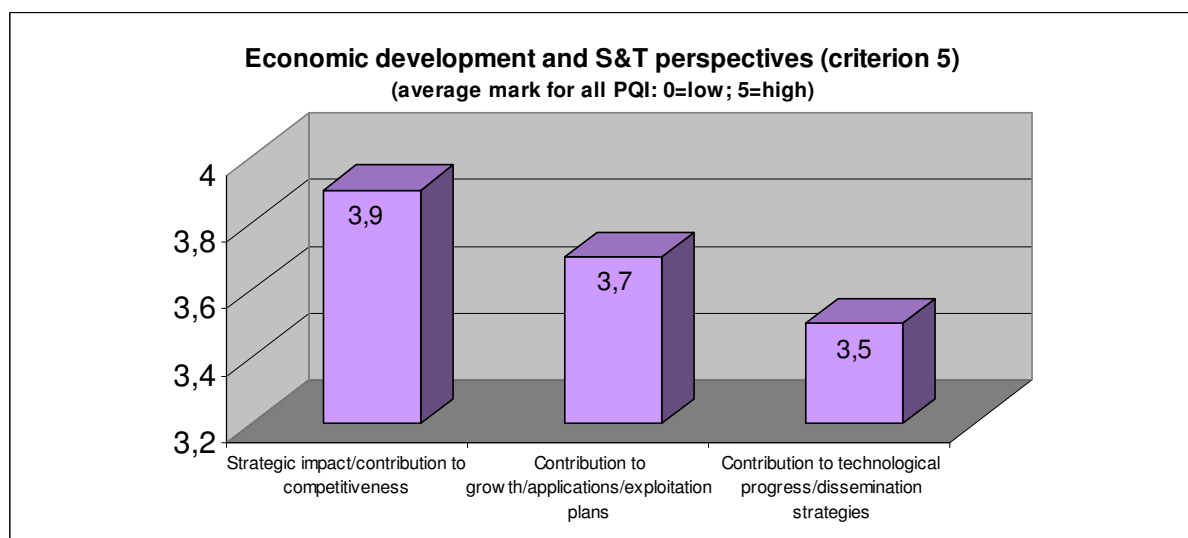


Figure 6



❖ “Success Stories”***List of projects classified as “Outstanding”  
(projects suggested for wider publication and considered as Success Stories )***

This list contains 30 projects for which the overall appreciation of the PQI was “Outstanding”. When the project was the subject of an article on the Industrial Technologies website, a hyperlink is activated (right column).

Acronym	Title	Contract number	End date	Theme	Story on Industrial Technologies website
PLASTRONIX	Low-cost all-polymer integrated circuits for low-end high-volume identification applications	G5RD-CT-1999-00011	31/12/2001	Materials	<a href="#">PLASTRONIX</a>
ECOMARBLE	Development of advanced tools for the production of artworks using marble powder (industrial wastes)	G1RD-CT-1999-00041	1/10/2002	Production processes	<a href="#">ECOMARBLE</a>
AEOLOS	An End-of-Life of Product System	G1RD-CT-2000-00257	14/10/2002	Production processes	<a href="#">AEOLOS</a>
SESIBON	Sensor Encapsulation by Silicon Bonding	G1RD-CT-1999-00002	31/12/2002	Production processes	<a href="#">SESIBON</a>
JOTSUP	Development of Advanced Joining Technologies for Supermartensitic Stainless Steel Line Pipes	G5RD-CT-1999-00053	31/01/2003	Materials	<a href="#">JOTSUP</a>
PADS	High performance Piezoelectric Devices for Digital Loudspeakers	G1RD-CT-1999-00121	31/01/2003	Production processes	<a href="#">PADS</a>
<b>CASCO</b>	<b>Consistent semi-active system control</b>	<b>G1RD-CT-1999-00085</b>	<b>1/04/2003</b>	<b>Production processes</b>	<b>Not published</b>
VALIBAT	Recycling of primary and secondary lithium batteries	G1RD-CT-2000-00232	14/05/2003	Production processes	<a href="#">VALIBAT</a>
SBC	Diamond Wire cutting system - Sub bottom cutter	G1RD-CT-2000-03007	30/06/2003	Production processes	<a href="#">SBC</a>
STR	Small Turbo-machinery Research (STR)	G1RD-CT-2000-00151	30/06/2003	Production processes	<a href="#">STR</a>

HI-FI	High mouldable Fibreboard	G5RD-CT-1999-00148	31/07/2003	Materials	<a href="#">HI-FI</a>
RECY-CHROM	Acid chromic recycling from rinse waters in galvanic plants by electro-electrodialysis	G1RD-CT-2000-00196	31/07/2003	Production processes	<a href="#">RECY-CHROM</a>
AWARENET	Agro-food Wastes Minimisation and Reduction Network	G1RT-CT-2000-05008	31/12/2003	Production processes	<a href="#">AWARENET</a>
GREEN	Cost management system for greening electrical and electronic equipment	G1RD-CT-2000-00355	31/12/2003	Production processes	<a href="#">GREEN</a>
HYPERTRACK	High performance rail tracks	G1RD-CT-2000-00389	31/12/2003	Production Processes	Not published
NANOFIB	Nano-fabrication with focused Ion Beams	G5RD-CT-2000-00344	31/12/2003	Nanotechnologies	Not published
NEON	Nanocrystals for Electronic Applications	G5RD-CT-2000-00320	31/01/2004	Nanotechnologies	<a href="#">NEON</a>
PARAMIX	Road Pavement Rehabilitation Techniques using Enhanced Asphalt Mixtures	G1RD-CT-2000-00374	31/01/2004	Production processes	Not published
DISCEL	Self-Assembling and Self-Healing Electronic Devices based on Mesomorphic Discotic Materials	G5RD-CT-2000-00321	31/01/2004	Materials	Not published
ULTRAPLATE	Ultrasonic plating techniques for low cost, clean, high-speed, high-precision plating for electronics components and microsystems	G1RD-CT-2000-00427	31/01/2004	Production processes	<a href="#">ULTRAPLATE</a>
EDECAD	Effective Design and Control of Agglomeration in Spray Drying Machines	G1RD-CT-2000-00340	31/01/2004	Production processes	<a href="#">EDECAD</a>
PLUG2DRIVE	Light Electric Drive Unit for the Rapid and Cost-Effective Retrofitting of Bicycles in Urban Areas	G1ST-CT-2002-50181	31/03/2004	Production processes	Not published
SAFETI	Safer and more effective operations in construction	G1RD-CT-2000-00439	30/04/2004	Production processes	Not published
<b>IMAC</b>	<b>Integrated Monitoring and Assessment of cables</b>	<b>G1RD-CT-2000-00460</b>	<b>30/04/2004</b>	<b>Production processes</b>	<b><a href="#">IMAC</a></b>
TRANSMACH	Transparent Films Vacuum Coatings Machine with Integrated In-line Monitoring and Control	G1RD-CT-2000-00334	31/05/2004	Production processes	Not published

NANOMAT	Self-Assembled Nanostructured Materials for Electronic and Optoelectronic Applications	G5RD-CT-2001-00545	30/09/2004	Nanotechnologies	Not published
WHEYPOL	DAIRY INDUSTRY WASTE AS SOURCE FOR SUSTAINABLE POLYMERIC MATERIAL PRODUCTION	G5RD-CT-2001-00591	30/11/2004	Materials	<a href="#">WHEYPOL</a>
DACO	Development and Application of Compact Mode-Locked Laser	G1ST-CT-2002-50266	31/12/2004	Production processes	Not published
LASERTOOL	Laser Welding and Hardening of Layered Tooling - The Key to Low Cost Rapid Manufacture of High Performance Durable Tooling Using Cleaner Technologies	G1ST-CT-2002-50289	31/01/2005	Production processes	Not published
SMART WIRE	Reducing by 50% energy cost and allowing complete waste recycling in granite slab cutting through the development of a thin diamond wire design which enable the cost-effective exploitation of multi-wire machines	G1ST-CT-2002-50265	31/01/2005	Production processes	Not published

