



Ministero
dell'Economia
e delle Finanze

CONSIP'S APPROACH TO GPP

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consip

Italian legislation on energy efficiency

- L. n. 10/1991 (energy manager)
- Decrees 20 July 2004 (2,9 Mtep per year)
- L.D. n. 115/2008 (TPF for energy efficiency; energy assessment for buildings; certification of buildings; most advantageous offer for energy services ex art. 83 of the Italian Code of Public Contracts)

Legislative Decree 163/2006 on Italian Public Contract

Art. 2: Principles

1. The contracting and implementation of public works, services and supplies must guarantee the quality of performance and comply with the best value for money principles, effectiveness, timeliness and correctness; contracting must also **abide by the principles of free competition, fair treatment , non discrimination, transparency, proportionality and publicity.**
2. **The best value for money principle may be subordinated, within the limits allowed by the legislation in force and the present code, to the criteria detailed in the tender which are inspired by social, health and environmental requirements, as well as by the promotion of sustainable development.**



Art 68: Technical Specifications (c.1 and c.3, point b)

*Whenever possible, technical specifications **must be defined so as to take into account** accessibility criteria for handicapped people, of planning that is adequate to all users and of **environmental preservation**.*

Technical specifications are detailed according to the following modalities:

in terms of performance and functional requirements, that may include environmental characteristics. These must nonetheless be sufficiently precise to allow suppliers to identify the object of the contract and purchasing bodies to award the contract.

Adoption of the NAP on Sustainability

Has been adopted on 2008, 11 April by the Ministry of Environment with Ministry of Economy and Finance and the Ministry of Economic development.

Consip was involved both in writing the NAP and in the execution of it by the formal request of the Minister of the Environment and the consensus of the Minister of the Economy and Finance.

Structure of the NAP

- This GPP National Action Plan document outlines the strategy for the dissemination of Green Public Procurement, the commodity categories, the reference environmental targets to be attained, both qualitative and quantitative, and the general methodological aspects.
- The Ministry of the Environment will be issuing a series of decrees defining the minimum environmental criteria to be included in the above purchasing procedures above and below the Community reference threshold.

NAP on Sustainability: Strategic Objects

1. Efficiency and savings in the use of resources, especially energy, thus reducing CO2 emissions
2. Reduction in the use of hazardous substances.
3. Quantitative reduction in waste products.

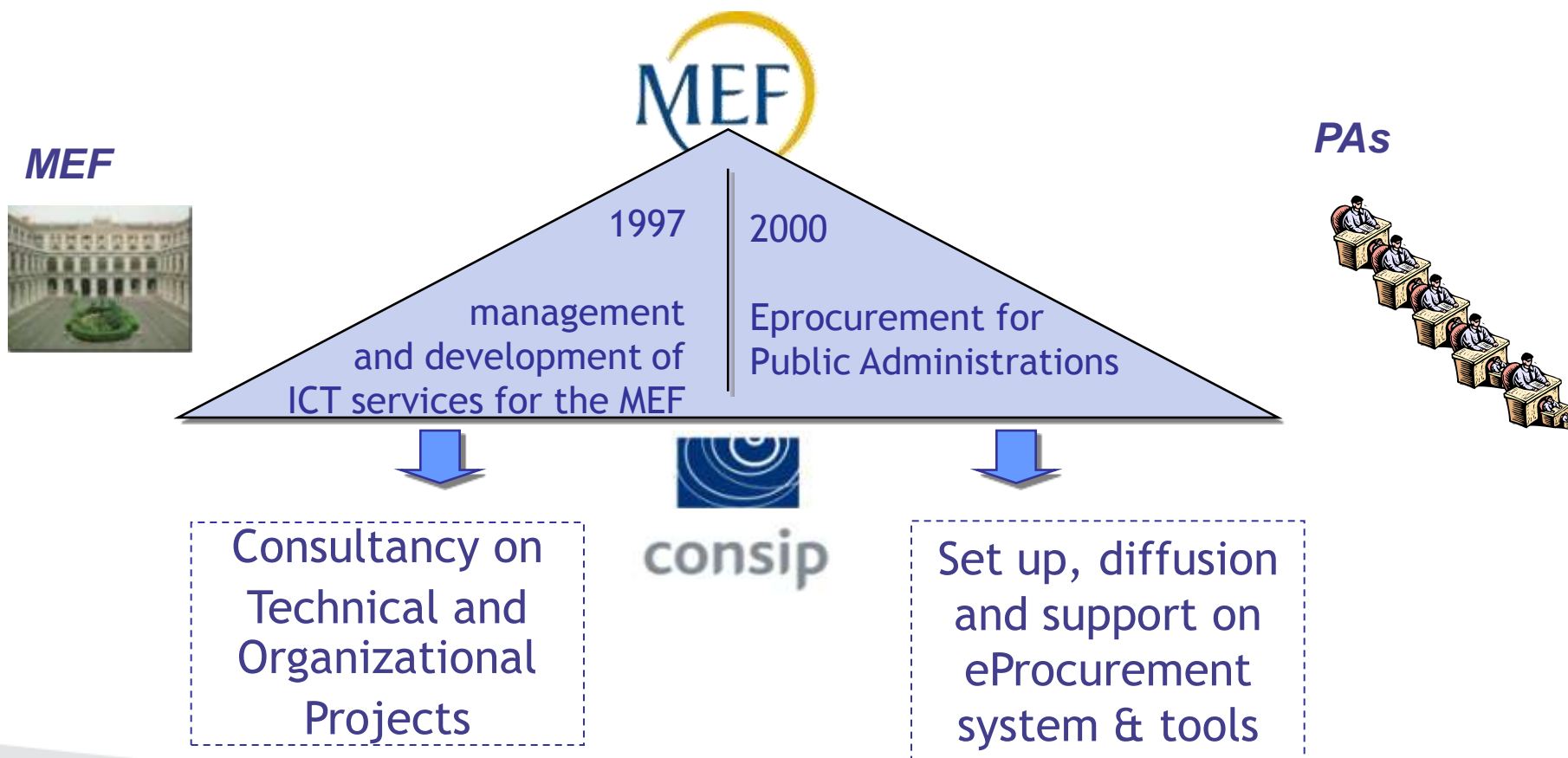
The minimum environmental criteria

- The minimum environmental criteria are the “technical indications” of the National Action Plan, which will consist of both general considerations and specific considerations of a mainly environmental and, where possible, ethical/social nature associated with the various phases of the tendering procedures which, if they are incorporated by the offices managing the tenders, will be useful in classifying a purchase or assignment of a contract as “sustainable”.

1. *furnishings (office furniture, school fittings, fittings for archive and reading rooms)*
2. *building (construction and restructuring of buildings, with particular attention to building materials, road building and road maintenance)*
3. *waste management*
4. *urban and country services (management of public green space, street furniture)*
5. *energy services (lighting, heating and air conditioning of buildings, public lighting and lighting systems)*
6. *electronics (electrical and electronic office equipment and related consumables, telecommunication equipment)*
7. *textile products and footwear*
8. *stationery (paper and consumables)*
9. *catering (canteen services and food supplies)*
10. *building management services (cleaning services and hygiene materials)*
11. *transport (transport vehicles and services, sustainable mobility systems)*

Consip is a joint-stock company, created in 1997 by the Ministry of Economy and Finance (MEF), its sole stockholder.

Consip has no profit goals and deals with two main fields of action.





Consip's role is developed according to:

- EU legal framework on PP (and GPP)
- national legal framework on PP/GPP and the Financial Act
- E-government and GPP action plan
- Regional purchasing system
- An Agreement - with the MEF - containing goals and strategic guidelines

eProcurement Platform

www.acquistinretepa.it

Framework contracts

eshops

- Purchases within frame contracts
- Direct Purchases
- Many-to-one approach
- Need for:
 - ♣ Large volumes
 - ♣ Demand aggregation
 - ♣ Standardized goods
 - ♣ Low price volatility
 - ♣ Slow obsolescence

On line tenders

- Development of Frame contracts or ASP towards other administrations
- Lowest or most advantageous bid
- Need for:
 - ♣ Large volumes
 - ♣ Demand aggregation
 - ♣ Or Specialized goods
 - ♣ High price volatility
 - ♣ Rapid obsolescence

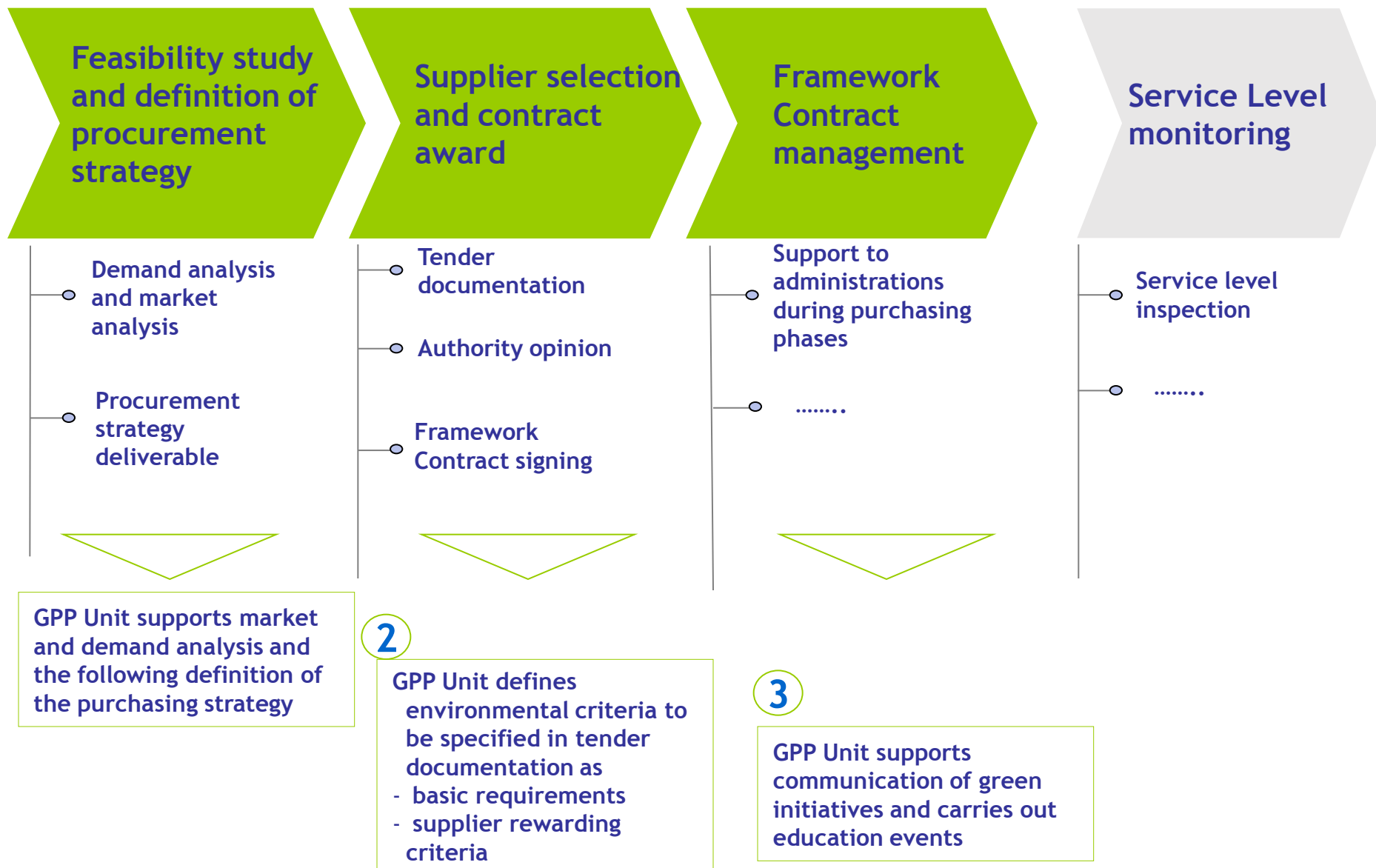
eMarketplace

- Direct order or RFQ
- Many-to-Many approach
- Supplier defined e-Catalogue
- Need for:
 - ♣ Low cost goods
 - ♣ Spot purchasing
 - ♣ Highly fragmented offer

Above and Below EU Threshold

Below EU Threshold

Framework Contracts: support from the GPP Unit



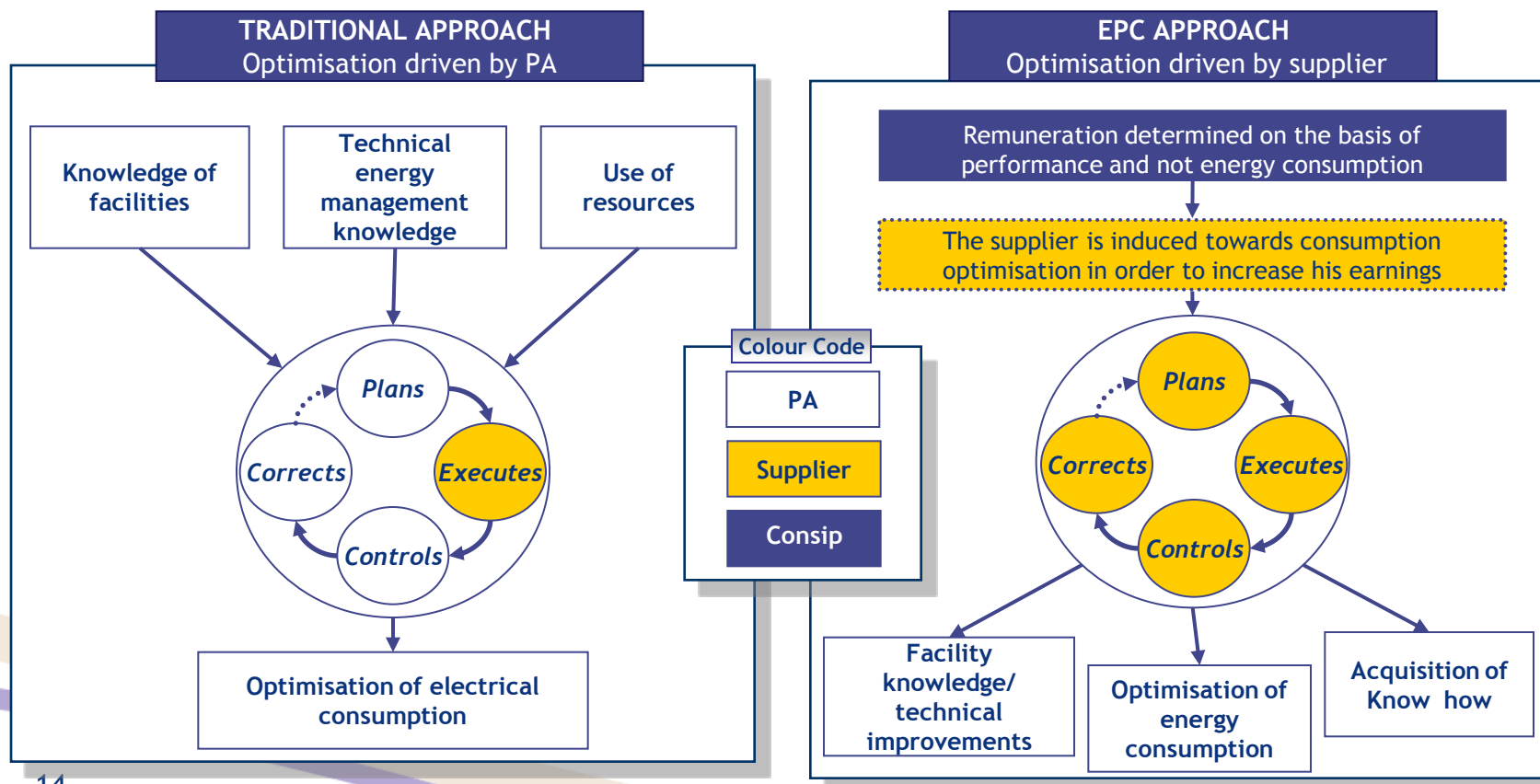
An example of identification of green criteria -the used methodology -

In order to pursue the previously identified three main goals, the chosen procedure was the following:

1. **Selection of regulation dealing with eco-labeling** and the standards or best practices that have been developed in the European context (Ecolabel, Nordic Swan, Der Blaue Engel) whenever these are stricter than basic regulation
2. **Analysis of the various eco-labels** offered on the market included best practices
3. **Identification of the environmental sustainability characteristics** that meet the set strategic goals
4. **Selection of general environmental sustainability criteria** applicable to the related field of action
5. **Market analysis** through polling questionnaires and meetings with industrial associations
6. **Identification of specific criteria** of environmental sustainability for each product category.

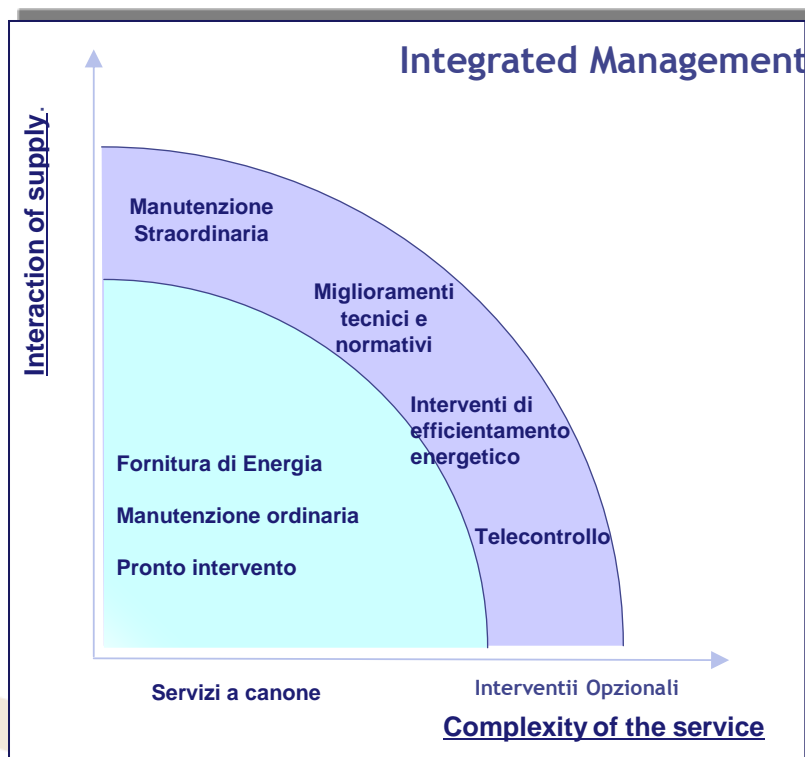
EPCs - Energy Performance contracts

Integrated services have introduced the principle of Energy performance contracts (EPC), which entail the **guarantee of a result or a predetermined comfort level** through an integrated facility management and commodity supply service.



Lighting Service

Lighting Service is “performance”-based contract that entails the **integrated management of Public illumination services** (rate services, optional services), as well as the **supply of electrical energy**, entrusting the supplier with the obligation to comply with relevant regulation and with the task of putting into place the activities needed to maximize **energy efficiency**.



Costs

- Reduction of **supply costs**
- Reduction of **maintenance costs**
- Dealing with the complexities of energy market **deregulation**

Environment

- Compliance with **Italian/EU regulations** (e.g. light pollution)
- Increase of **energy efficiency**

Minimising the complexity of the service and **optimising** functioning and supply **costs** will allow for **high energy efficiency levels** that will be **environmentally friendly** .

Design	Production
<ul style="list-style-type: none">• Increase of energy efficiency• Cost reduction• Environmental impact reduction	<ul style="list-style-type: none">• Reduction/elimination of use of hazardous substances• Decrease of environmental impacts• Optimization of carriage and packaging
Use	End of Life
<ul style="list-style-type: none">• Correct energy use management• Information management on environmental impacts• Use of alternative sources of energy	<ul style="list-style-type: none">• Reuse• Recycling• Disassembly of equipment• Recycling of consuming materials



Environmental criteria for Personal Computers Desktop

Following are listed all details on environmental requirements for Personal Computers Desktop and Optional Equipment

Product	Basic criteria	Awarding criteria (point assignment foreseen)
PC Desktop	<ul style="list-style-type: none"> - LwAd ≤ 45 db(A) in idle mode - Energy Star 5.0. compliant - Availability of a guarantee and spare parts for 36 months; - User Manual availability including essential environmental and health-related user information; - Product Take-Back 	<ul style="list-style-type: none"> - Typical Energy consumption less than Typical Energy Consumption (ETEC) requirement; - ≥ 90 wt% of plastics and metals related to housing and chassis must be technically suitable for material recovery; - Marking of plastic; - Availability of spare parts and guarantee extension for at least 5 years (up to delivery date); - LwAd ≤ 45 db(A) in operating mode (the Hard Disk drive is activated); - LwAd ≤ 40 db(A), in idle mode; - LwAd ≤ 52 db(A), with optical drive in operating mode
PC Desktop - Optional Equipment	<p>Monitor</p> <ul style="list-style-type: none"> - TCO'03 compliant; - Energy Star 4.1 compliant - Product Take-Back <p>Workgroup Printers</p> <ul style="list-style-type: none"> - Safety Data Sheets related to substance emission (dust, ozone, noise and heat); - Product documents containing environmental information (e.g. eco-declaration) - Product Take-Back 	<p>Monitor</p> <ul style="list-style-type: none"> - TCO displays 5.0 compliant for ergonomics; - Energy Star 5.0 compliant; - Vertical height adjustment; - Workgroup Printers - LwAd ≤ 55 db(A) in operating mode - TVOC emission ≤ 10 mg/h

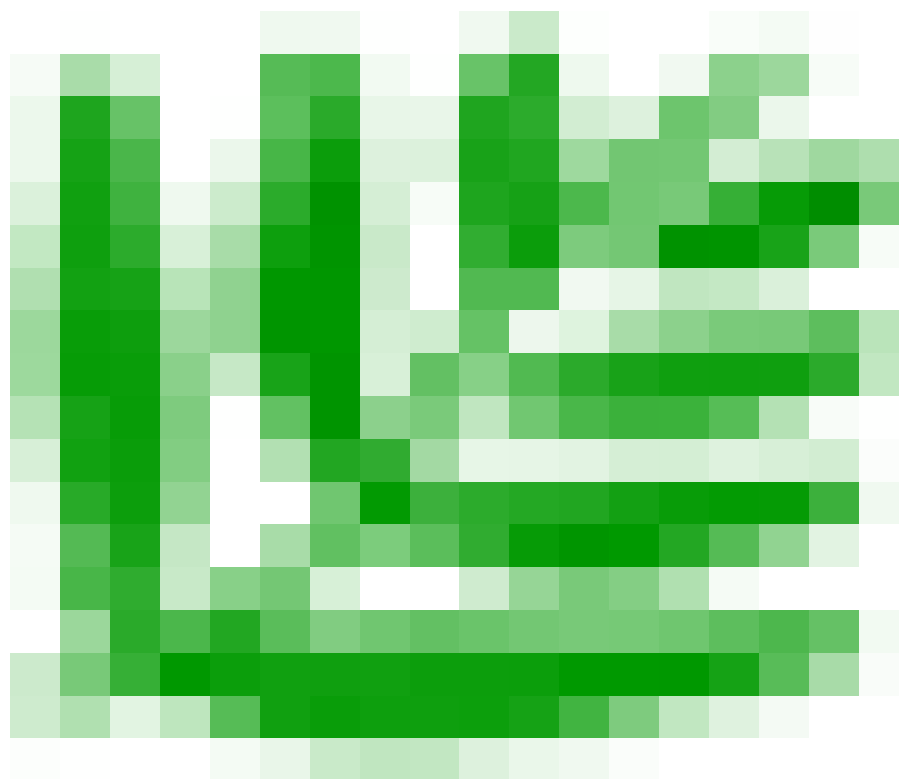
Es. PC desktop indicators

PC desktop Savings			
	1 PC	300.000 PC	5 years life cycle (300.000 PC)
Energy			
	KWh/y	GWh/y	GWh
Sleep mode	31,3	9,40	47
Off mode	4,3	1,28	6
Totale	35,6	10,68	53
CO₂			
	kg/y	t/y	t
Sleep mode	21,0	6.300	32.000
Off mode	2,9	900	4.000
Totale	23,8	7.200	36.000
Costs savings			
	€/y	M€/y	M€
Sleep mode	5,64	1,69	8,46
Off mode	0,77	0,23	1,15
Totale	6,41	1,92	9,61

PC Savings			
2009	Selected PC	Average consumption PC	5 years life cycle (300.000 PC)
Energy			
	KWh/y	KWh/y	
Total	86,6	111,6	
CO ₂			
Kg	12,975		3892500
Costs reduction			
	€/y	€/y	Million €
Total	12,12	15,62	1.575.000

Server Savings			
2009	Efficient Server	Average consumption Server	5 years life cycle (90.000 Server)
Energy			
	KWh/y	KWh/y	
Total	1369,115	1695,06	
CO ₂			
Kg	169,17		15224891
Costs reduction			
	€/y	€/y	Mio€
Total	191,68	237,31	3.878.745,50

The green leaf



For more info: www.acquistinretepa.it