



EU Environmental Technology Verification pilot programme

The ETV pilot programme: State of play, standardisation issues



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On behalf of

DG Environment
European Commission





Policy context

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Innovation Union - turning ideas into jobs, green growth and social progress

- supporting companies, especially SMEs, to develop and market innovations
- Eco-Innovation Action Plan: innovations with an environmental benefit; bridging the gap between innovation and the market
- European Innovation Partnerships, for example on water

Resource Efficiency Flagship and roadmap – transition towards a green economy

- reinforcing demand for eco-innovation and related investment





The need for performance verification

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- Lack of confidence in new technologies:
investors and users often opt for mature technologies with performance track record
- Associations of industrial users of instrumentation finding:
only half of tested instruments performed as claimed by their manufacturers
- Public consultation on ETV:
11% of purchasers trust producers' claims
57% would ask for evidence backing-up the claims
26% consider they have no way of checking





ETV Objectives

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ETV to generate independent and credible information on new environmental technologies, by verifying that performance claims are complete, fair and based on reliable test results.





Expected benefits

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For technology producers:

Establishing **trust** with technology purchasers and users

Facilitated **access to markets**, access to new markets (EU and abroad)

For technology users:

Easier comparison of technologies, facilitates **informed decisions**

Facilitated access to innovative technologies, **cost-efficient solutions**

For policy-makers:

Source of knowledge on technology performance, to inform regulation

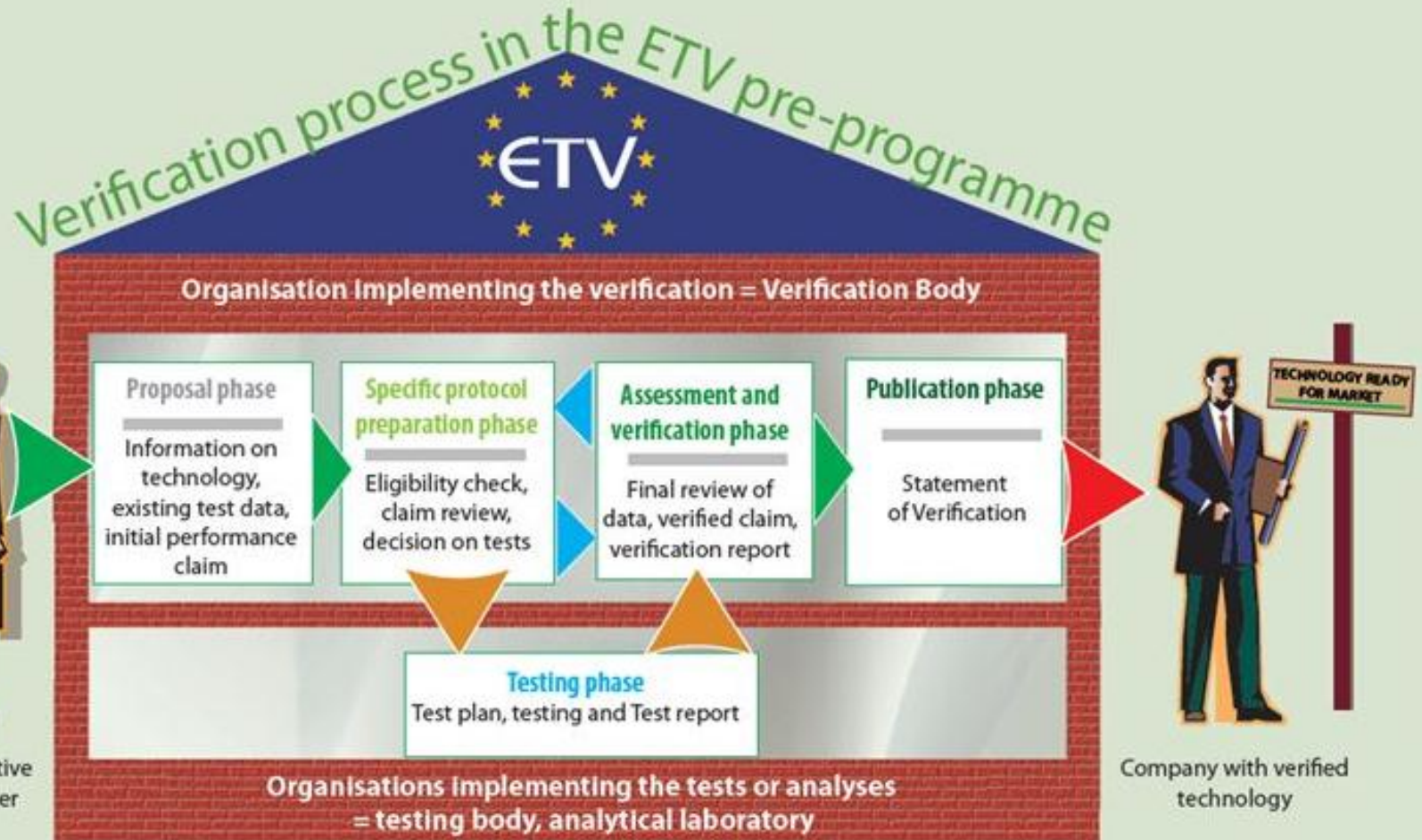
Cost-efficient solutions to address environmental challenges





Outline ETV process

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ETV process steps (I)

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- Proposal phase

Contact and eligibility check (in accordance with GVP)

Proposal and initial review

Contractual agreement

- Specific verification protocol preparation

Precise definition of performance parameters

Requirements on test design and data quality

- Assessment of existing data





ETV process steps (II)

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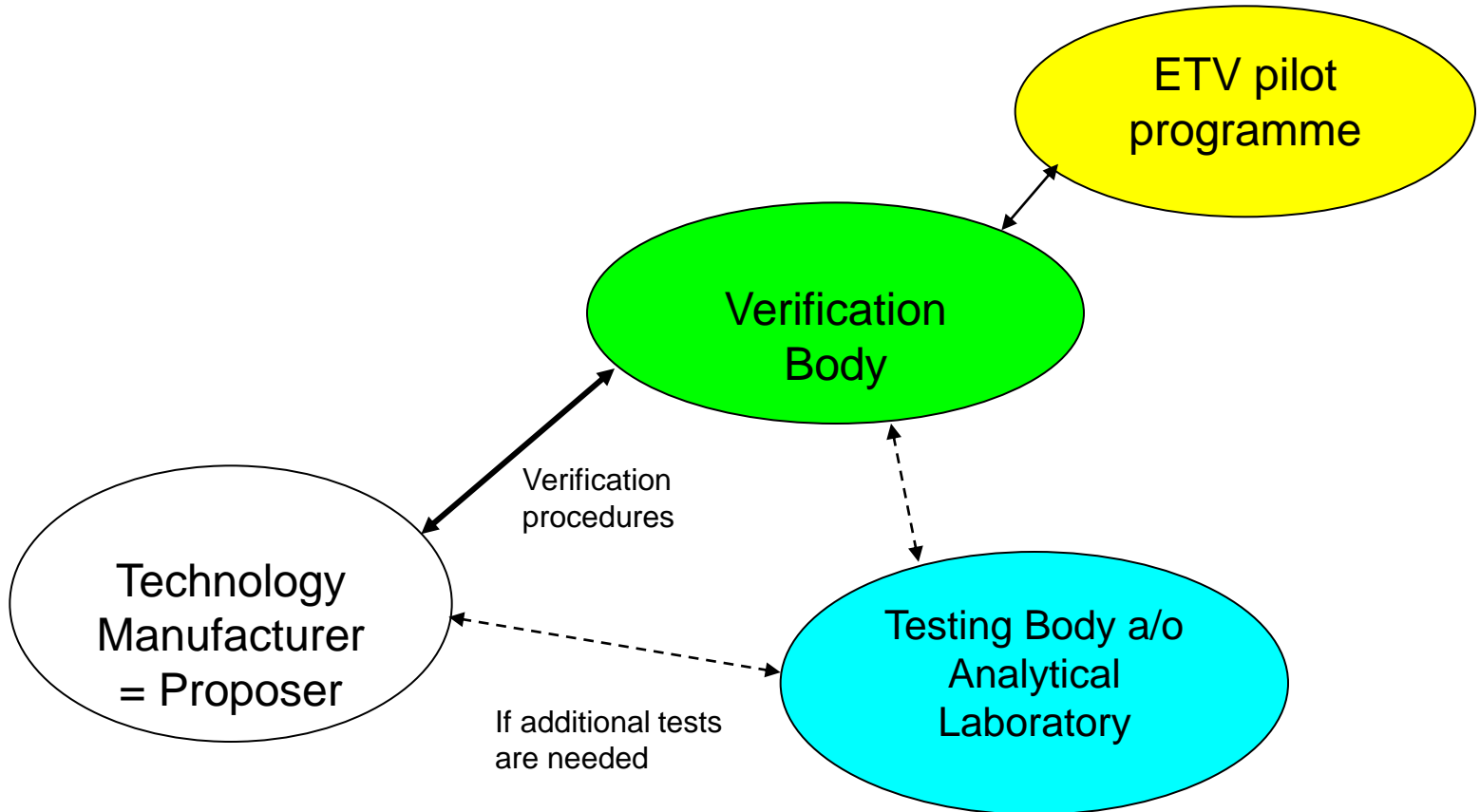
- Testing (if additional tests are needed)
 - Test site selection and test plan
 - Test report
- Assessment of all data and verification
 - Assessment of data and review of test procedure
 - Assessment of additional information
- Reporting and publication
 - Verification report and Statement of verification
 - Publication





Organisation of ETV process

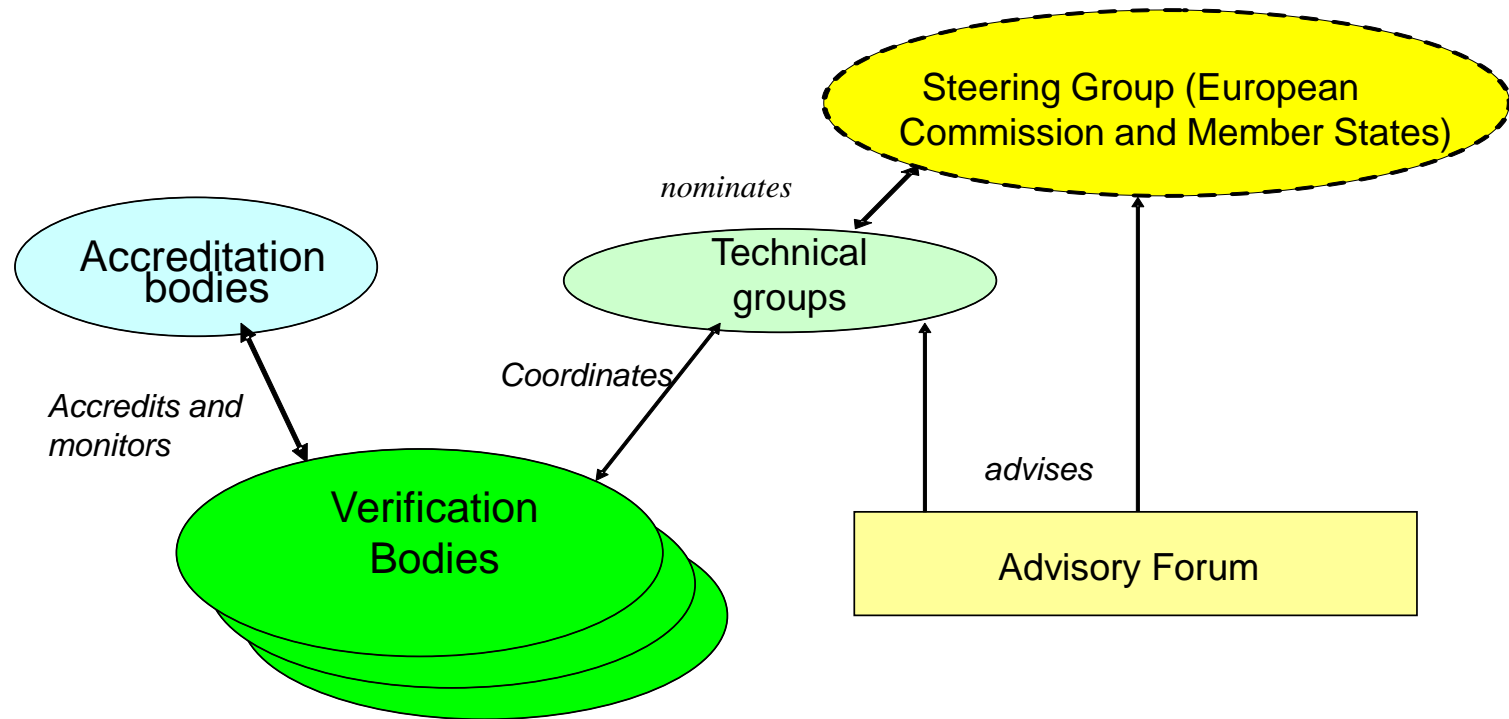
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Organisation of ETV Pilot Programme

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Verification Bodies

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Accredited for ETV by national accreditation bodies

Compliance with ISO 17020 and ETV General Verification Protocol (GVP)

Responsible for the verification of individual technologies in a specific technology field

Assistance to SMEs during the ETV process

Coordinated by Technical Groups

From 2012 to 2014, Partnership Agreements with the Commission (1st call in March-April 2012)





Testing Bodies and Analytical Laboratories

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Responsible for producing test data
and analyses acceptable under ETV

Includes test plans and test reports

Test bodies: QM/QA equivalent to ISO
9001

Certification or accreditation possible, or
audits by Verification Body

Analytical Laboratories: accreditation
under ISO 17025

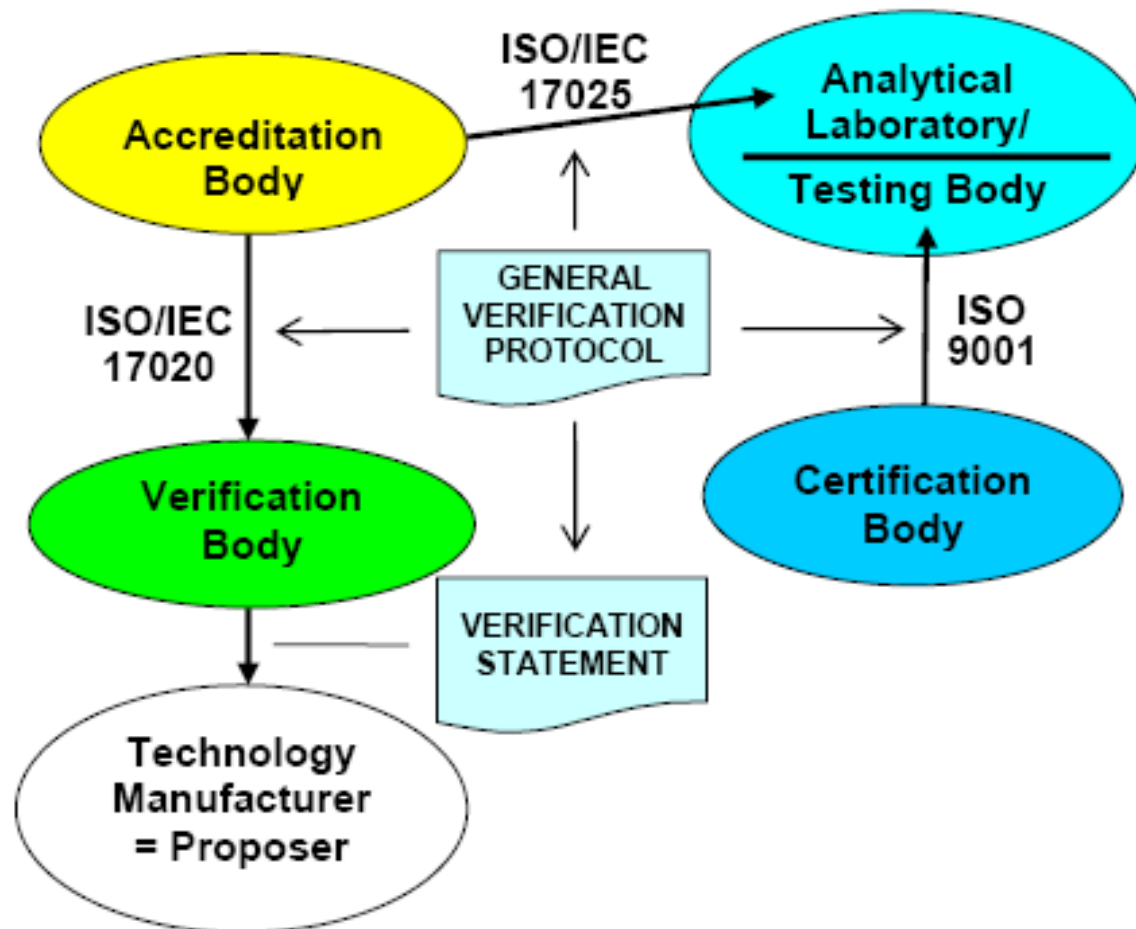
Existing data: same requirements
checked by Verification Body





Documents involved in ETV accreditation and certification

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Technical Groups and Advisory Forum

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Technical Groups

One per technology area (or sub-area)

Representatives of VBs and other experts, chaired by Commission

Provides guidance to VBs: key environmental factors, specific requirements, users needs

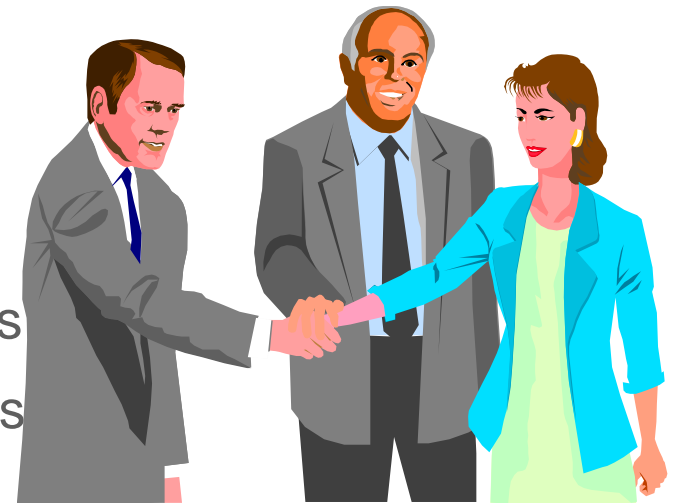
May give an opinion in case of conflict
VB-proposer

Advisory Forum

Advises on ETV processes, scope, results

Includes technology purchasers and users

Setting-up planned in 2nd part of 2012



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Technology scope

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ETV open to all technologies **ready for the market**, presenting a potential for innovation and environmental benefit, in three initial areas:

- 1) **Water treatment and monitoring** (monitoring equipment, treatment of drinking water, waste water treatment...)
- 2) **Energy technologies** (renewables, waste to energy, CHP...)
- 3) **Materials, waste and resources** (sorting of solid waste, materials recycling, products from biomass...)

Possible extension of the technology scope to other fields in future:

- Soil and ground water monitoring and remediation
- Cleaner production and processes
- Environmental technologies in agriculture
- Air pollution monitoring and abatement





Participating countries

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Member States participating in the ETV Steering Group:

Belgium, Czech Republic, Denmark, Finland, France,
Poland, United Kingdom

Germany, Netherlands, Slovakia, Sweden observers

ETV pilot programme is not restricted to these countries:

Proposers, Verification Bodies, Testing Laboratories, Analytical
Laboratories may come from any country





International co-operation

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International Working Group (IWG) on ETV:

Canada, EU, Korea, the Philippines and the USA – Japan and ASEAN are observers

Prepares the ground for mutual recognition of ETV programmes:

- Drafting of consensus policy documents on key aspects of ETV
- Facilitates joint and co-verification of technologies by 2 or more programmes
- Investigates the feasibility of an ISO standard for environmental technology verification and reporting
- Organises international forums and workshops to engage stakeholders, promote the adoption and use of ETV globally





Proposal for a new work item to ISO

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Objective: provide the basis for global acceptance of ETV organisations and statements

IWG is finalising consensus documents on the ETV policy framework and ETV procedure – as background for ISO

Standard Council of Canada (SCC) prepared draft submission documents to ISO – consultation on-going

- Submission to TC 207 – Environmental management
- Proposal as a type C standard on ETV procedure and reports
- Review of ISO 17000 series standard for conformity agreement, and possible drafting of a new accreditation standard on requirements for organisations using the ETV procedure standard



**European Commission
Environment
Directorate General**

**Thank you for
your attention**

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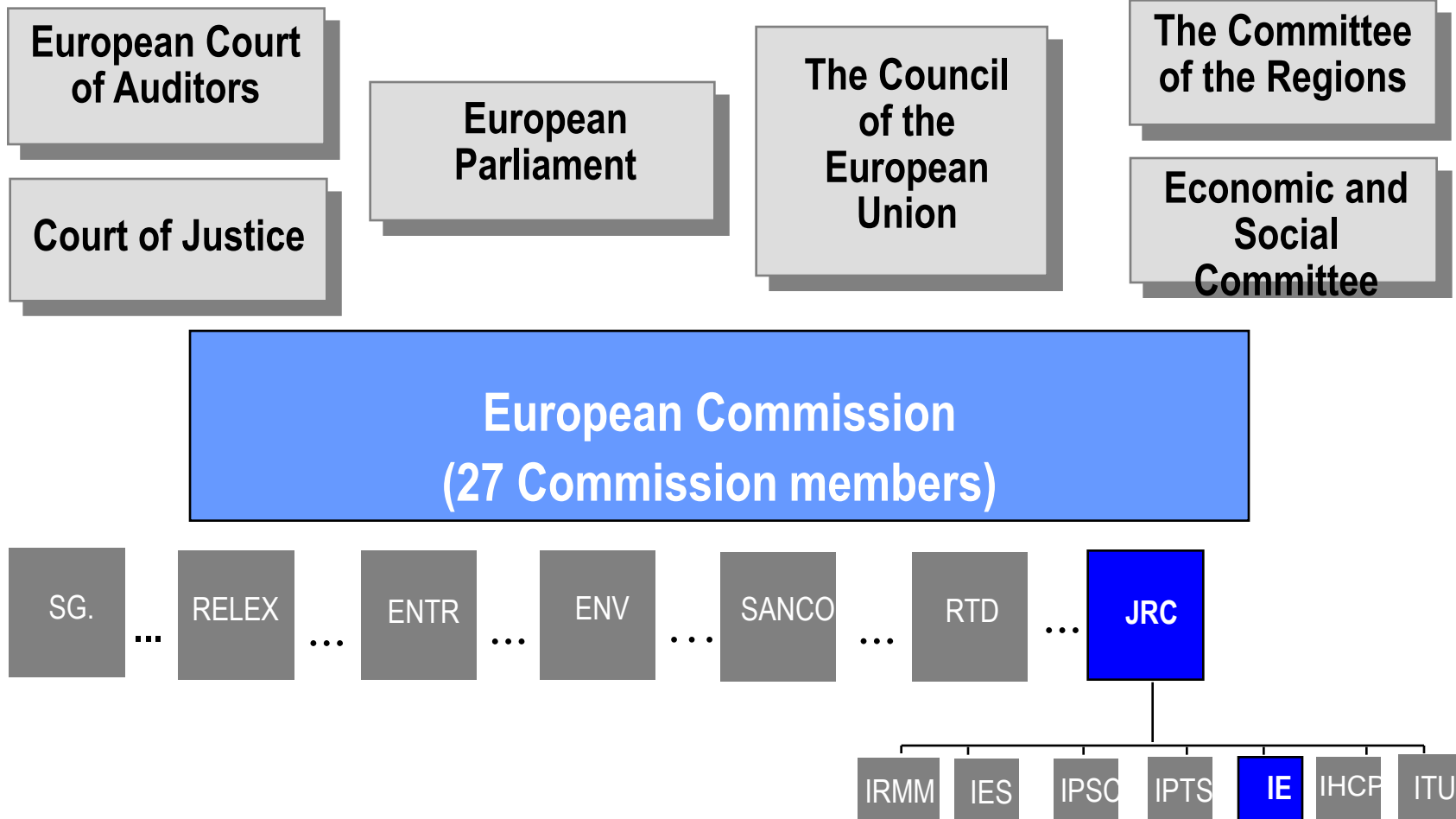
<http://ec.europa.eu/environment/etv/index.htm>





Panorama of the European Union

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