Risk Management in Regulatory System
A Brazilian perspective

Gustavo José Küster
Conformity Assessment Manager
Inmetro
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**INMETRO:**

- Founded in 1973
- Governmental Institution
- 1,800 employees
- Budget 230 million dollars
- 150 technical inspection
Main responsibilities of Inmetro.

Accreditation Authority for the Brazilian Government

- 670 testing and calibration labs
- Certification and inspection bodies

Developing of regulations for conformity assessment
Doubt that the Brazilians regulators had.

What are the principles of good regulation?

When to regulate and when not to regulate?

When regulate, what we should consider?

What is the structure and content of a technical regulation?

How to implement a technical regulation?
Regulatory Impact Analysis – Why is so important?

• Help the regulator to clearly identify the problem
• Who are the stakeholders?
• Identify the social, environmental and economic impact that the regulatory may cause.
• Relationship of cost X benefit (social, environmental and economic)
• Do the benefits justify the costs of implementing the regulation?
• plan actions to publicize the rules for informing all affected parties
what were the problems that we identified? Two different problems

a) energy efficiency, causing waste of energy, and
b) risk of overheating, reducing the performance of the equipment

What are the alternatives?

a) not regulate the product.
b) regulate the product considering issues of safety and energy efficiency
Impacts of the regulatory documents, considering a period of 8 years

**Quantified Impacts**

**Positive**
- 353,124 MWh energy savings
- Economy with tariffs paid by consumers R$ 115,440,960
- Reduction of GHG emissions of 205,094 tons CO2

**Negative**
Administrative costs and costs of laboratory R$ 12,523,123

**Qualitative Impacts**

**Positive**
- Increased life time and performance of your computer;
- Increased the consumer satisfaction
- Postponement of investments to expand the supply of energy;

**Negative**
- Reducing the number of models in the market
- Increased market concentration,
- increase in prices of Power supply for desktop computer
Conclusion

If we compare the impacts, both quantitative and qualitative, it is clear the benefits of such regulation. Because of this, Inmetro decided to start the regulation of power supply for desktop computer.
Thank You!!!

Gustavo José Küster
gkuster@inmetro.gov.br
www.inmetro.gov.br