

# Life Cycle Analysis and Carbon Footprint, uses and limitations in Public Procurement

**Aure Adell**

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**ecoinstitut**  
BARCELONA

# Green Public Procurement

- Instrument for many policies
  - Environmental
  - Economical
  - Innovation...

Directive 2006/32/EC

PPAA have to apply energy efficiency criteria in public procurement (vehicles, IT, buildings, energy services)

To obtain a 1,5% reduction in energy consumption by year until 2015

# Green Public Procurement

- Promotion of greener products and services (market driver)

How that is defined?

- Life Cycle Thinking
  - Regulations
  - Ecolabels
  - Footprints...

# Green Public Procurement

- Legal limitations of Public Procurement
  - EU procurement Directives
  - National legislation
  - EU Treaty principles
  - WTO Agreements

Limits what tools and  
criteria to use in GPP

## What has to be guaranteed?

- Link to the subject matter
- Transparency (clear and verifiable criteria)
- Proportionality
- No discrimination
- Freedom of movement of goods and services

Procurement  
function

# What do procurers use more?

## Legislation & Type I Ecolabels

- Environmental improvement
- Clear and precise criteria
- Pass/fail most of the time
- Easy to verify
- Easily linked to national environmental priorities



# Why do procurers use less... LCA?

## Self "limitations":

- Not all impacts included
- Product not environmentally better

## Procurement limitations:

- Not unified methodology
- Link to the specific product/service
- Discriminatory to SMEs
- Linked to Global Warming impacts



# Why do procurers use less... CF?

## Self “limitations”:

- Reductionist
- Deviate focus from energy consumption and other relevant impacts



## Procurement limitations:

- Transport emissions
- Production emissions
- Where to use CF



# Where to progress in their use?

- Prioritisation of product groups
- Prioritisation of environmental criteria
- Use in design projects (buildings, infrastructures)
  - Previously to define object
  - Need to define scope, LCI data, assumptions, etc.
- Continue improving LCA databases and methodologies
- Define environmental declarations and LCA with alternatives to be used in GPP



[www.ecoinstitut.es](http://www.ecoinstitut.es)

[ecoinstitut@ecoinstitut.es](mailto:ecoinstitut@ecoinstitut.es)

(+34) 93 348 1386

(+34) 93 436 1094

Torre dels Pardals 69, ent4

08032 Barcelona

## Work fields

Sustainable lifestyles

Institutional change  
strategies and processes

Public policies evaluation

Knowledge and innovation

City of the future

## Some of our clients on sustainable public procurement

- Barcelona, Sabadell, Pamplona...
- Catalan network of municipalities for sustainability, CILMA
- Ihobe (Basque Government), Catalan Government...
- Spanish Ministry of the Environment
- European Commission: DG Environment, Energy, Enlargement
- UNEP