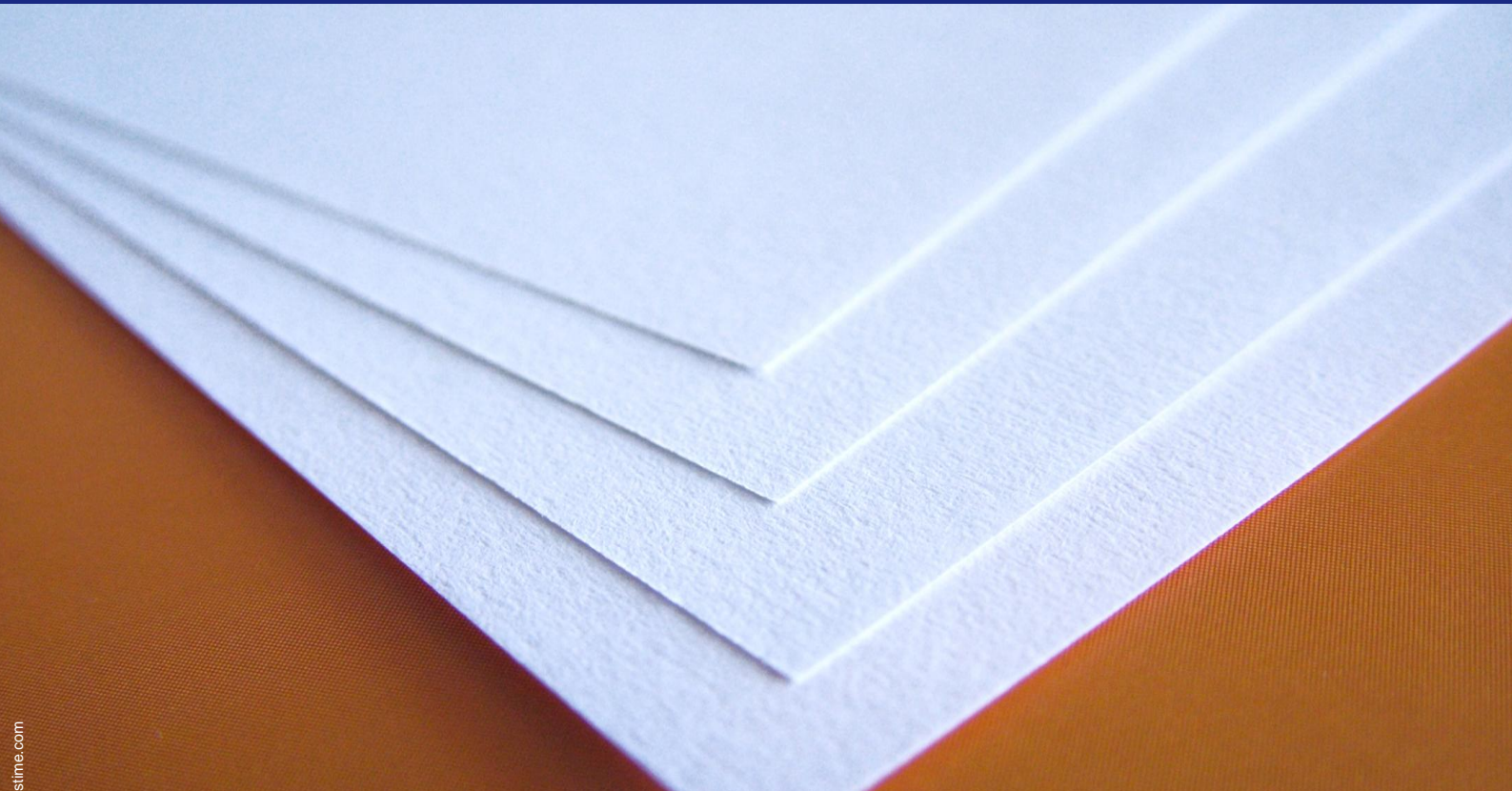




Acquisition of paper reams

Autonomous Province of Bolzano Alto Adige

- Adoption of Minimal Environmental Criteria developed by the Italian Ministry of the Environment and for Protection of the Land and Sea for the acquisition of copy paper (G.D. 04 April 2013)



Benchmark

100 % Virgin paper
(143.84 t/year)

- 223 t CO₂e/year
- 69 toe/year

GPP 2020 tender

100 % Recycled paper
(143.84 t/year)

- 118 t CO₂e/year
- 43 toe

Results

Savings

- 105 t CO₂e/year
- 26 toe/year
- 210 t CO₂e/2 years
- 53 toe/2 years (=contract duration)

Contract tendered

- The object of the agreement contract is the acquisition of paper reams for the needs of the member Administrations of the Province Bolzano Alto Adige.
- Publication date: 03/12/2015.
- Value of the tender: € 324,800.

Procurement approach

The procurement type was the open procedure, realized in one lot.

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Technical Specifications	Award Criteria
<p>a) The paper must be produced from wood fibers, recycled fibers or other cellulosic fibers whitened without chlorine gas (EFC/TFC).</p> <p>b) The paper must be produced from recycled fibers (in the post and pre-consumption phases). The minimum share of recycled fibers from the post-consumption phase must be equal or superior to 85%. The remaining share of the wood cellulose must have FSC origin (sustainable forest management).</p> <p>Verification: For a) requirements: the products that have the European Ecolabel, Der Blaue Engel and Nordic Ecolabelling are considered compliant. For b) requirements: the eco-labels such as Der Blaue Engel, or Nordic Ecolabelling (Version 3.0) or EU Ecolabel if they specify that the paper is produced from 100% recycled paper.</p>	<p>The most advantageous economic offer. Score assigned to the technical offer: 60 Score assigned to the economic offer: 40</p>

Criteria development

The technical specifications inserted in the current tender are compliant with the Minimal Environmental Criteria developed and adopted by the Italian Ministry of the Environment and for Protection of the Land and Sea for the acquisition of copy paper (G.D. 04 April 2013).

Results

	CO ₂ emissions	Energy consumption
Low carbon solution	118 t CO ₂ e	43.0 toe
Benchmark	223 t CO ₂ e	69.4 toe
Annual savings	105 t CO ₂ e	26.4 toe
Savings in 2 years (contract period)	210 t CO ₂ e	52.7 toe



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Calculation basis

Data from the Ecoinvent database have been extracted in order to measure the difference in terms of greenhouse gas emissions and energy consumption from the production phase between the virgin paper and the recycled paper.

The total weight of the paper purchased in 2 years (duration of the contract): 287,68 t.

Benchmark: 100 % virgin paper; emission factor: 1.55 kg CO₂e/kg; energy consumption: 20.2 MJ/kg (Source: Ecoinvent).

Low carbon solution: 100 % recycled paper; emission factor: 0.82 kg CO₂e/kg; energy consumption: 12.5 MJ/kg (Source: Ecoinvent).

In both cases, the GHG emissions are expressed in accordance with the global warming potential for 100-year time interval.

Lesson learnt

The inclusion of environmental criteria for this type of product does not involve criticalities in terms of product and allows significant savings in terms of CO₂ e and toe.

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GPP2020 aims to mainstream low-carbon procurement across Europe in support of the EU's goals to achieve a 20% reduction in greenhouse gas emissions, a 20% increase in the share of renewable energy and a 20% increase in energy efficiency by 2020.

To this end, GPP2020 will implement more than 100 low-carbon tenders, which will directly result in substantial CO₂ savings. Moreover, GPP2020 is running a capacity building programme that includes trainings and exchange of best practices. – www.gpp2020.eu

PRIMES



PRIMES project seeks to help municipalities from six countries in Europe: Denmark, Sweden, Latvia, Croatia, France and Italy to overcome barriers in GPP processes, many of which lack capacity and knowledge.

PRIMES aims to develop basic skills and provide hands-on support for public purchasing organizations in order to overcome barriers and implement Green Public Purchasing. This will consequently result in energy savings and CO₂ reductions. – www.primes-eu.net



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