



الجامعة الأورومتوسطية بفاس
EUROMED UNIVERSITY OF FES
UNIVERSITÉ EUROMED DE FÈS

SDG12 Report

Responsible consumption and production



SDG12 report: Responsible consumption and production

At UEMF, the Purchasing and Logistics Department has the main objective of satisfying the needs of internal customers, by obtaining the best performance from suppliers (Quality / Cost / Deadlines / Services) in compliance with the regulations in force and in connection with the general strategy of the UEMF.

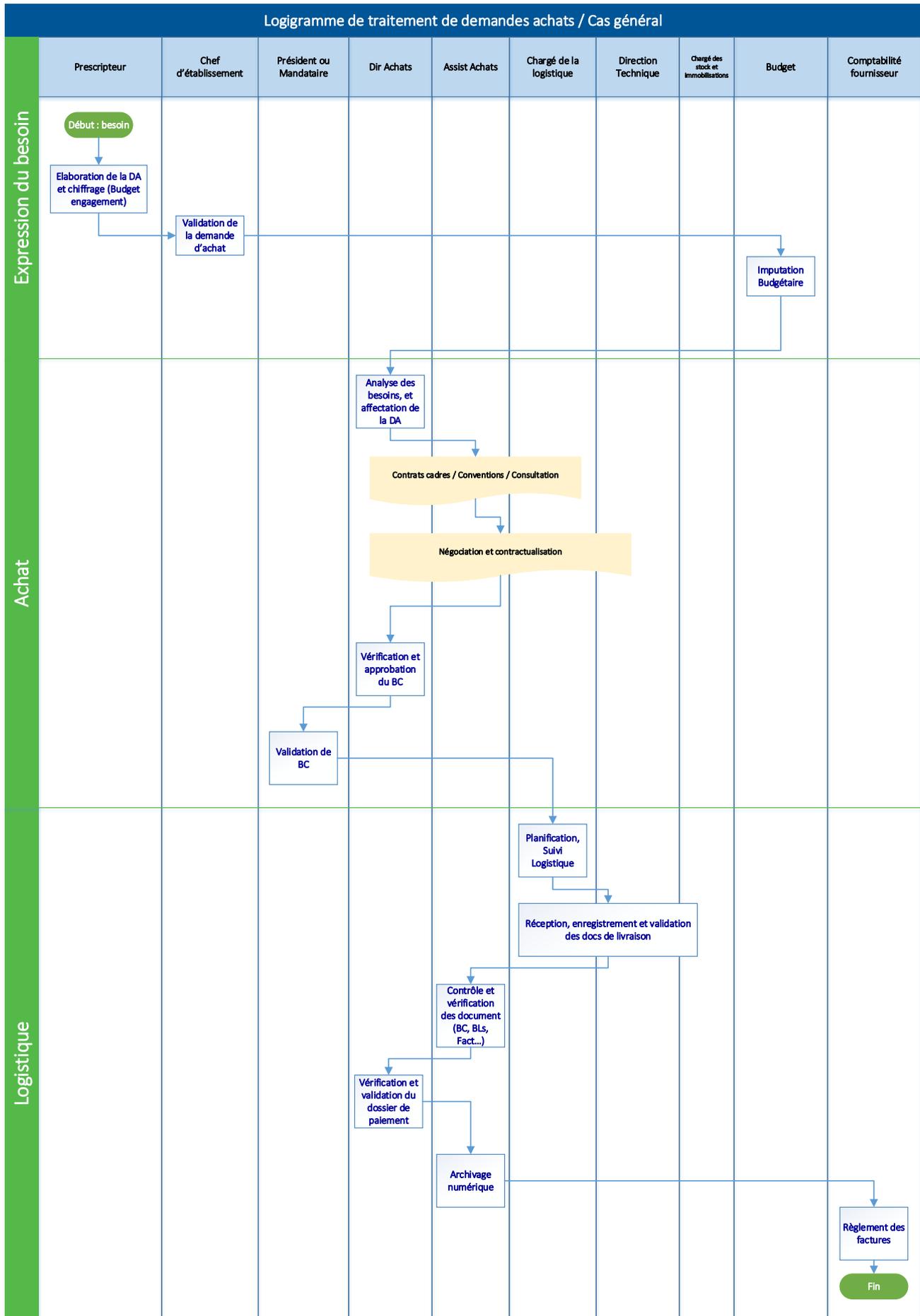
In general, the purchasing and logistics function is responsible for:

- conduct a regular market watch;
- collect the needs of internal customers while avoiding overconsumption at the end of the year;
- launch the consultations, lead the sourcing and the choice of suppliers;
- negotiate prices and purchase conditions;
- order ;
- ensure all logistics operations;
- ensure compliance with the rules, procedures and laws in force;
- ensure compliance with the standards and ethics of the profession: fairness, transparency, equal opportunities and absence of conflicts of interest
- integrate criteria relating to sustainable development into market rating rules
- encourage the pooling of equipment, particularly printing (setting up floor copiers)

The UEMF is concerned with:

- rationalize purchases and educate users about responsible consumption
- include in the procurement clauses respect for the environment and the end of product life
- give priority in its purchases to the following criteria: cost, quality, availability, delivery conditions, after-sales service, product warranty and the good reputation of the supplier

The purchasing procedure (accompanied by the flowchart) is described in detail in the UEMF quality assurance manual.



The UEMF is aware of the challenges of the purchasing professions and of their role in protecting the environment (characteristics of the goods and services requested, energy efficiency of products, carbon footprint linked to their manufacture, distances traveled and mode of transport. used and their impact on energy consumption and climate change, etc.)

A responsible purchasing policy requires a significant investment in training and an additional burden for buyers. However, a drafting effort is underway. A part was presented in the "responsible UEMF" project which obtained the responsible innovation label



Training offered by UEMF in the field of responsible consumption and production

- Compulsory and transversal modules (7 pillars of UEMF) are integrated into the training of all students, in particular awareness of the sustainable environment
- Other modules are taught in particular at the Euromed Business School (EBS): right of the environment, social and solidarity economy, circular economy, ethical finance, business ethics, entrepreneurship, ...
- Several scientific fields deal with these aspects, in particular:
 - Master in Water and Environmental Management (water saving, waste management, etc.)
 - Master-specialized-purchasing-and-supply-chain-management in continuing education (Manage physical, financial and information flows throughout the company's supply chain, Integrate digital technologies into purchasing and supply chain management, Define and implement an efficient purchasing strategy)

Research

Energy Tic Valley platform

- The development of research and innovation activities, as well as their promotion and the promotion of initiatives aimed at scientific and technological development in the fields of bioenergy and energy storage;
- The recovery of different types of green waste and agricultural by-products for energy purposes (production of biogas, electricity, heat, etc.) as well as the development of new processes and materials for the storage of different forms of energy, including electrochemically;
- Analysis, comparison, optimization and development of new technologies for energy recovery from biomass and energy storage.

Doctoral thesis: Effect of recycling AlSi7Mg0.6 powder on parts manufactured by SLM

<https://www.ueuromed.org/sujets-de-these/effet-du-recyclage-de-la-poudre-alsi7mg06-sur-les-pieces-fabriquees-par-slm>

Project in collaboration with the region: Green accounting / Pilot project on waste and water in the Fes Meknes region

From waste to nanostructured materials, biobased polysacchari and metal ions

Student activities

Club We Green

<https://www.ueuromed.org/clubs/we-green>

The club's mission is to promote respect for the environment through educational awareness-raising activities. The club creates initiatives for the implementation of programs encouraging reflection around environmental issues, the creation of ecological habits within the community and in the region and the integration of environmental issues into daily life. The club integrates the following themes into its action plan:

- Waste generation and recycling
- Creation of ecological urban spaces
- Energy optimization
- Awareness of the use of renewable energies

Hackaton

Hackaton organized by students (EBS and EMADU) in partnership with the Koutoubia group on the theme of the recovery of production waste. This hackathon aims to introduce students to the issues of sustainable development and the circular economy and to develop initiatives for the recovery of waste from the production system of the poultry sector.

<https://www.ueuromed.org/actualites/ateliers-workshops/lebs-et-lemadu-composantes-de-luempf-ont-organise-en-partenariat-avec>

Waste minimization

This mission is carried out by the Heritage Department of UEMF

Its objective is the protection of the environment and the health of users on the one hand, and the quantitative and progressive reduction of waste.

It consists of:

- responsible management of consumables and waste by encouraging sorting and reserving several spaces for sorting and temporary storage of waste
- the supply of products for maintenance, cleaning, repair and eco-designed, reusable and recyclable work
- Saving of resources used on the eco campus, in particular rainwater harvesting for watering and maintenance of gardens and green spaces

General principles :

- Prevention (limit production)
- Recovery (recycling, energy, etc.)
- Elimination

The waste produced is stored and then transported by municipal trucks

The heritage department has a physical plan for prevention, collection, sorting (paper, glass, plastic) and waste collection: wastepaper baskets (classrooms, offices), dumpsters, household and restaurant waste container, battery container, container for the reuse of refillable inkjet cartridges, bins of different sizes, bin bags, and a general collection station, not to mention the collection of garden waste.

In order to limit consumption, it was decided to limit the use of plastics, disposable items, battery-powered devices and to strengthen the acquisition of low-energy lighting. Some of the sorted objects are offered (old furniture, computers, components, etc.) to student clubs following their request.

Hazardous waste (laboratory chemicals)



The practical teaching work and that of laboratory research generate various hazardous materials: chemical synthesis products, biological waste, used oils, contaminated objects. These wastes are handled with care (glove boxes, special gloves) and according to regulated procedures in order to reduce their harmful effects on the health of the students and researchers who handle them and on the environment.

The disposal of this hazardous waste is done according to national regulations and with the means of the services of the municipality.

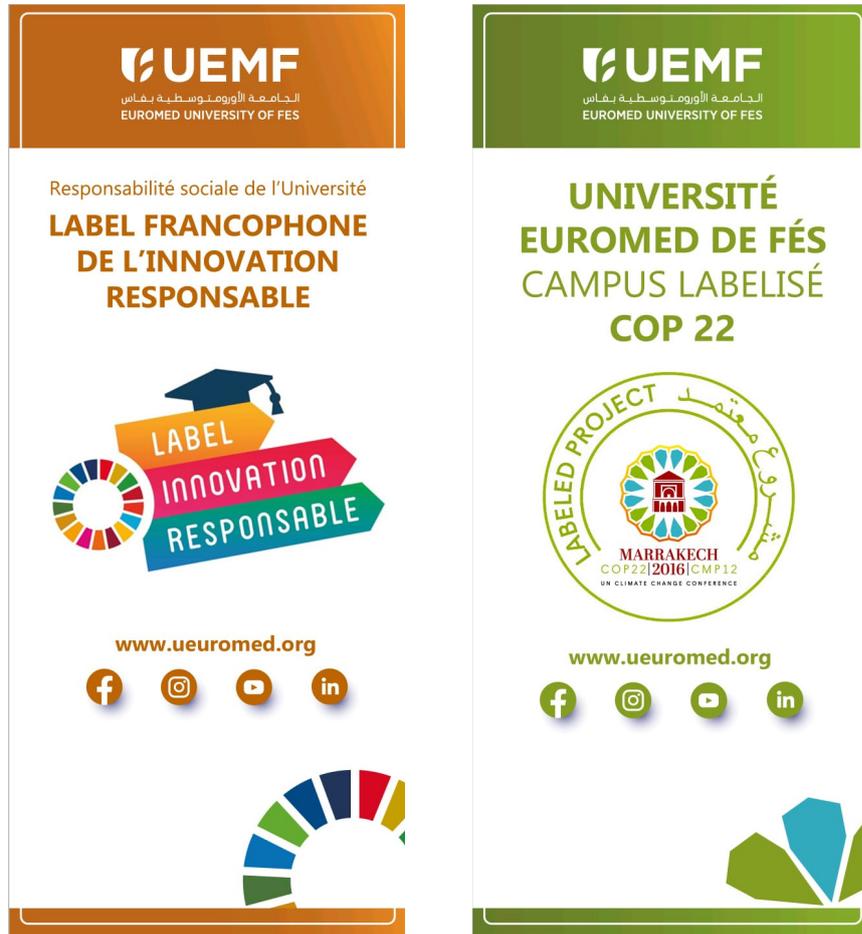
General approach for packaging waste

1. Container (20 liters) labeled (indicating the type of product, the laboratory and the person in charge) suitable for the storage of each waste (do not mix incompatible products in order to avoid any explosion or fire)
2. Separate packaging of harmful, toxic or reactive products (avoid leaks)
3. All containers are placed in a large plastic waste drum (200litres)

The Heritage Department establishes a schedule for the periodic removal of hazardous substances

Eco campus

1-the UEMF campus is an Eco-Campus which respects the best international standards in terms of sustainable development. It was labeled by the COP 22 and recently obtained the French-speaking responsible innovation label.



construction / rehabilitation of positive-energy buildings, installation throughout the Eco-campus of sorting bins for waste, creation of sports, leisure and relaxation areas, use of a circular economy (minimize waste by optimizing the value generated by resources), installation on the UEMF Eco-campus of charging stations for electric cars. These terminals are the only ones in the Fez-Meknes Region and the only ones on a university campus in Morocco. Advertising boards have been put up in several places in the city of Fez inviting motorists to come and recharge their electric car batteries free of charge at the UEMF Ecocampus, full accessibility and in all University buildings to people with disabilities. reduced mobility (PRM), installation on all floors,