

OBJECTIVE:

To minimise the waste production from medical equipment disposal, maximising their re-use and refurbishment.

ACTIONS:

- Implementation of a new integrated management system for discarded medical equipment, in particular biomedical devices, starting with a screening of medical institutions and veterinary clinics and a survey on disused medical equipment in Italy and Romania.
- Recovery of medical equipment in Italy and Romania, at partners' laboratories, in order to be donated and reused.
- Organisation in Italy of a national working table of consultation for the definition of guidelines in the field of management of discarded medical equipment, with the identification of opportunities and critical aspects of the current legislation. Solutions for a correct and more efficient application of laws will be proposed.
- Promotion and diffusion of the results achieved during the project, through demonstrative days in Romania and Italy, off-line and on-line communication materials.

EXPECTED RESULTS

- 350** contacts with medical institutions
- 300** electro-medical equipment revised
- 250** tons of waste managed coming from medical institutions
- 100** tons of waste avoided
- 80** institutions identified for benefiting of the donation of medical equipment
- 120** medical equipment donated
- 100** spare parts disassembled

www.life-med-equipment.eu

CAUTO
<http://www.cauto.it>

Medicus Mundi Attrezzature
<http://www.memua.it>

University of Brescia, Department of Mechanical and Industrial Engineering
<http://www.unibs.it/dipartimenti/ingegneria-meccanica-e-industriale>

Legambiente Lombardia
<http://lombardia.legambiente.it>

Ateliere Fara Frontiere
<http://atelierefarafrotiere.ro>



Life **MED**
Medical Equipment Discarded

With the support of



LIFE13 ENV/IT/000620

THE CONTEXT

In EU in 2012:

- 11 thousand** hospitals
- 68 thousand** medical institutions
- 3 million** beds for acute illnesses
- 55 thousand** veterinary centres

Each medical institution, whether dedicated to humans or animals, is a producer of waste, quantitatively significant and with a certain complexity.

THE PROBLEM

- Lack of standard procedures for the management of discarded medical equipment from medical institutions.
- Scarce prevention of waste production and scarce reuse of discarded equipment (often still working).
- Lack of preventive and specific characterisation and assessment as waste of discarded equipment before the disposal.

THE SOLUTION

Life **MED**
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Presented in Life+ 2013 call, the project has the aim to study and realise a new integrated management system for discarded medical equipment, in particular biomedical devices. The project started in July 2014 and it will end in June 2017, for a period of 36 months, in Italy and Romania.

IF YOU WANT TO BE A DONOR

Are you an organisation, a structure or a centre that owns medical equipment to be discarded?

Target institutions: hospitals, residential or semi-residential socio-medical structures, outpatient and territorial centres, veterinary centres for pets and farm animals...

Equipment to donate: Imaging Equipment, Diagnostic Instruments, Medical-General, Dental Instruments, Infusion Devices, Lighting, Ophthalmology, Pumps/Aspirators, Respiratory Equipment, Tables/Stretchers/Gurneys, Ultrasonic Cleaners, Urology, Ventilators Surgical-General, Anesthesia, Surgical Instruments, Electrosurgical...

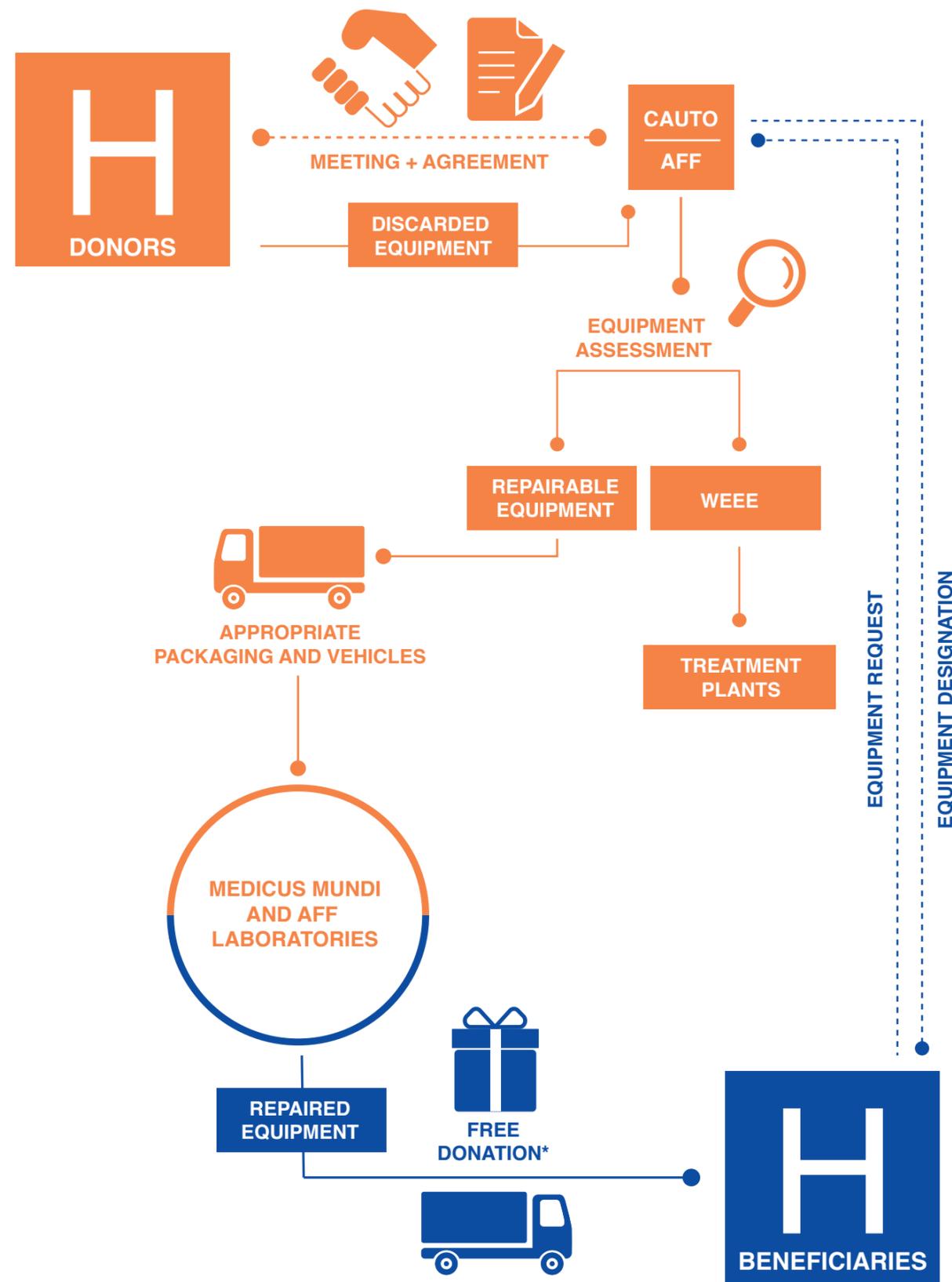
First of all contact us at info@life-med-equipment.eu

We will schedule a meeting in order to explain the project and later an agreement will be signed between the medical centre and the project reference in Italy (CAUTO) and in Romania (Ateliere Fara Frontiere – AFF) for a specific evaluation of the discarded devices and equipment. After the agreement, CAUTO and AFF will perform the assessment of the equipment editing a report to be presented to the medical institution, establishing if the equipment can be regenerated or it is evaluated as a WEEE.

When the discarded equipment is repairable and re-usable, it will be transported to the project partners' laboratories, Medicus Mundi (Italy) and Ateliere Fara Frontiere (Romania), by using appropriate packaging and vehicles.

The donation of so-called assets by hospitals or similar will be done through a declaration or an invoice of free donation.

The laboratory activity will be organised as a full production process, with a complex recovery phase, that will produce a technologically appropriate and compatible equipment.



*this procedure is applicable during Life-MED project implementation

IF YOU WANT TO BE A BENEFICIARY

Are you a health centre or a charity organisation operating within the EU that needs second-hand medical equipment?

Potential recipients: local authorities managing health care and social facilities, religious congregations, professionals, animal reception centres, dog kennels, catteries, associations which deal with pet/animals care...

First of all contact us at info@life-med-equipment.eu.

We will verify the request appropriateness according to the context and the real needs of the recipient.

At this point it will be possible to identify the medical equipment and devices that will be designated to donation, ensuring the coincidence between the request and the equipment available.

Moreover the proposed integrated system will allow promptly to activate the search for equipment suitable to recipients' needs.

In case of identification of a suitable donated equipment, Medicus Mundi and Ateliere Fara Frontiere, project partners, will go to the medical facility for a test, including an on-site functionality test.

The logistic organisation of transport will foresee the cooperation with the local recipients involved.

Recipients will be given a set of tools to be used for ordinary and often extraordinary maintenance.