

Healthcare waste management

Is there a chance to non-hazardous healthcare waste?

Procuring recycling solutions for single use sanitary waste
Online workshop
June 28th 2023



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Generalitat
de Catalunya



Institut Català
de la Salut

What is the ICS?



The ICS is the biggest public healthcare provider in Catalonia.



What is the ICS?



6,000,000 referred population
82,2%



8 Hospitals



332 Primary Care Centres
617 rural Medical offices



52.000 professionals



Our mission is keeping people healthy





But doing so we impact on the environment





Legal Frame



Decree 27/1999 on healthcare waste management

- Any waste produced in a healthcare centre is healthcare waste.
- 4 groups of healthcare waste
 - ✓ Group I: Recyclable domestic waste
 - ✓ Group II: Non hazardous sanitary waste
 - ✓ Group III: Bio-hazardous sanitary waste
 - ✓ Group IV: Other hazardous waste



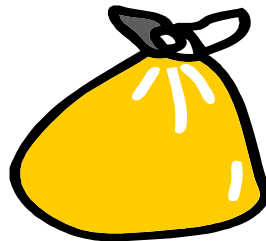
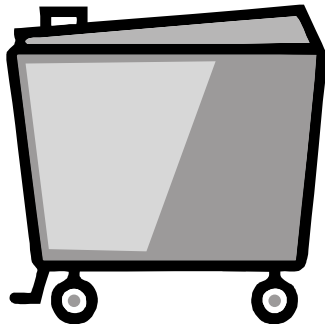
Legal Frame



Decree 27/1999 on healthcare waste management

Group II

- ✓ Non hazardous
- ✓ Same treatment as domestic waste
- ✓ Laid in thick bags
- ✓ To landfill





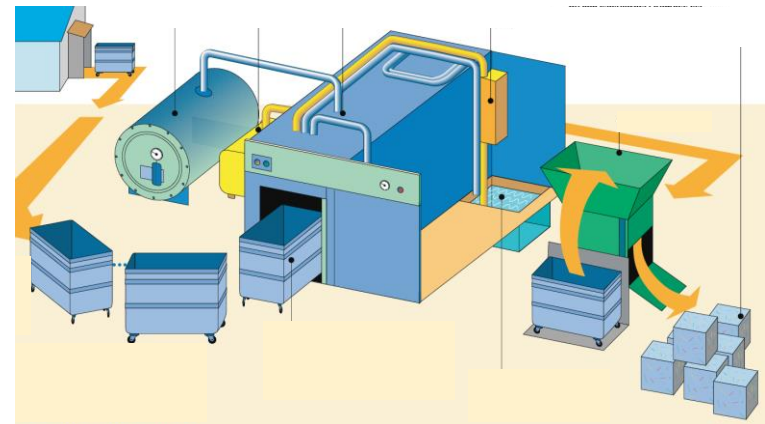
Legal Frame



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Group III

- ✓ Bio-hazardous
- ✓ Laid in hard containers
- ✓ Sterilization and trituration





Waste in the ICS

Group III

1,700 Tons/year

What can be done?

- ✓ It's Bio-hazardous so can't be manipulated
- ✓ Avoid to mix with non-hazardous
- ✓ Tracking system container per container
Increases the management efficiency



Waste in the ICS

Group II 13,500 Tons/year

What can be done?

- ✓ It's non hazardous when no manipulated, but needs to go untouched to landfill to ensure
- ✓ Reduction by avoiding single-use materials
- ✓ High quality materials potentially recyclable
- ✓ Previous sorting is difficult due to organisation and space





Waste in the ICS

Preliminary market consultation

- ✓ Only one proposal
- ✓ Building materials
- ✓ Recent creation company
- ✓ Not enough costumers yet
- ✓ Previous sterilization increases cost

Group II 13,500 Tons/year



Ideas and proposals welcome



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**Generalitat
de Catalunya**

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After the proposals received in the preliminary market consultation and the workshops conducted on the BRINC Project, in order to proceed with launching a public procurement process, the ICS needs to ensure the existence in the european market of waste treatment options capable of managing the reuse or the recycling of the non-dangerous health care waste according to:

- A consistent business model
- The accomplishment of the catalan healthcare waste law.
- Preferably an out-building waste sorting
- Proximity treatment or reuse preparation
- ...