



W·M·Y·S·I·R

## What is MyCDR?

**MyCDR** is a software, created by the engineer Carlo Di Domenico, specifically for the management of Collection Centers, in web based technology with open source applications that does not include any phase of installation. The main features of MyCDR are the identification of the user through the reading of a health card and / or tax code or through a smartphone that allows the control of the tribute registry, the recording of data also with connection to the weight scale of waste, the management of the awards, the delivery of the kits, the management of domestic and commercial utilities, and the drafting of the mass balances required by current legislation.

The Collection Center operator, with his / her own credentials (username and password), can access the software from any computer connected to the internet, having all the functions of his profile available. The sequence of operations related to the use of **MyCDR** for the transfer of waste to the Collection Center is as follows:



- user identification;
- selection of the material to be conferred by guided selection with icons, description and CER code;
- weighing of supplied material's fraction and weight registration;
- selection of other materials in order to make further contributions;
- transfer of the material to the appropriate container;
- automatic saving of citizen's information in the dedicated web area, activated on his smartphone;
- possible printing of the receipt of the conferment and summary of the points earned (where required);
- sending SMS to the user who has contributed the material.

### **Citizen / User Identification**

The Collection Center operator can identify the citizen / user by searching for personal data in manual mode or by acquiring data directly from the Health Card (Fiscal Code), by using the provided reader or reading the code on smartphone. The data entered in the software are verified in real time with the dynamic query of the municipal database related to the tax register: this operating mode allows you to check the actual registration of the citizen in the municipal archives and his position regarding the payment of taxes due. Through MyCdr architecture you can search for users using various methods (last name, fiscal code, identification number assigned to the user, PIVA). If available, the system can perform and identify the user also through the Magnetic Card supplied to citizens according to the methods described above.

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### **Material selection**

An already precompiled registry with the 53 CER codes (complete with descriptions, identifying icons and QR Code) provided for by the D.M. 08/04/2008 as modified by the D.M. 05/13/2009 is already present in MyCDR in order to be selected to customize the software. Upon the waste disposal, the operator can use the QR Code reader and / or manually select the supplied material.

### **Material weighing**

**MyCDR** is designed to be interfaced with the most common scales used at Collection Centers. Indeed, the weight is recorded through the connection with the scale. In case of several types contributions by the same citizen, only the CER Code must be selected and the weighing operations, as described previously, must be carried out.

### **Delivery and storage of containers**

Management and monitoring of deadlines related to time limits to be met for Temporary Deposit, differentiated for each CER. The software manages an alert system that alerts operators to the approach of deadlines. In order to better manage the quantities of waste entering the collection center and the reporting and management phases of Mass Balances, envisaged by the regulations, there is a specific section dedicated to the verification of the quantity of waste present in the various containers, considered as warehousing and monitoring areas for entrances and exits.

### **Receipt on Smartphone, PC or Card**

The operations end up with the storage of all information. The citizen has at his disposal countless ways of consulting his contributions via smartphone, web area or receipt. All information is integrated with the points acquired by the contribution and with those relating to the reward system, if the municipality provides for one.

### **Non-domestic users management**




Similarly to what is envisaged for domestic users, there is the management of non-domestic users in which are also registered the plates of incoming vehicles (as provided for in Annex 1a of D.M.13 / 05/2009).

### **Awards management**

Particular attention was paid to the creation of a specific section for the management of prizes. The software, on the basis of uploaded data, processes the reward (credit in euros, prizes, shopping vouchers, etc.) and allows awarding prizes, keeping track of the accounts of each individual user. At any time the operator can check the situation of the awards of every citizen who has conferred at the Collection Center. The citizen can check his / her situation through a special function on MySIR APP which is strictly interfaced with MyCDR software.

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### **Kit management**

A special section dedicated to the delivery of the kit of bags or bucket was planned to schedule activities and verify the availability of the kits themselves. Furthermore, the optional functionality of reading the personal code on each of the bags is envisaged in order to implement the Punctual Pricing system.

### **Management of other CERs**

This functionality has been designed to allow greater flexibility in the system, managing all the CER codes present in the European Waste Catalog.

### **Statistics and Reports**

The statistics and reports allow at any time to check all the necessary information for the proper management of the Collection Center. Contribution indicators are available to assess the environmental performance and the Collection Center's return. It is possible to export and / or print the current tables and reports or, by using the appropriate function, to create customized ones.

### **Mass balances**

The law provides for the maintenance of procedures to create / manage Mass Balances, as required by the D.M. 08/04/2008 as modified by the D.M. 13/05/2009. Other requirements are annex **IA** - *Waste data sheet sent to the Collection Center (for non-domestic users)* and annex **IB** - *Waste data sheet sent for recovery / disposal from the Collection Center*.

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