

Waste Management in Italy

SISTRI: THE NEW TRACEABILITY SYSTEM OF WASTE IN ITALY



Federico De Filippi,
Ljubljana, 05th of June, 2013

www.sistri.it



SOGESCA: The Company

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ZERTIFIKAT ◆ CERTIFICATE ◆ 認証証書 ◆ CERTIFICADO ◆ CERTIFICAT ◆ CERTIFICADO ◆ CERTIFICAT



CERTIFICATO

Nr 50 100 3888 - Rev. 01

Si attesta che / This is to certify that
IL SISTEMA QUALITÀ DI
THE QUALITY SYSTEM OF

SOGESCA S.r.l.



SEDE OPERATIVA:
VIA PITAGORA 11/A
I-35030 RUBANO (PD)

È CONFORME AI REQUISITI DELLA NORMA
HAS BEEN FOUND TO CONFORM TO THE REQUIREMENTS OF

UNI EN ISO 9001:2000

Riferirsi al manuale della qualità per i dettagli delle esclusioni
ai requisiti della norma ISO 9001:2000
Refer to quality manual for details of exclusions
of requirements of the norm ISO 9001:2000

Questo certificato è valido per il seguente campo di applicazione
This certificate is valid for the following product or service range

**Servizi di consulenza alle imprese ed agli enti pubblici per lo
sviluppo sostenibile, l'ambiente, la qualità, la sicurezza e la
pianificazione del territorio (EA 35)**

**Consultancy services for enterprises and public authorities on
sustainable development, environment, quality, health and
safety and land panning (EA 35)**

Data/date
2006-11-28



SOG N° 046A
SGA N° 018C
SGA N° 000F
SGI N° 0095
PQS N° 0818
Membro degli Accordi di Mutuo Riconoscimento EA e IAF
Signatory of EA and IAF Mutual Recognition Agreements

Per l'Organismo di Certificazione
For the Certification Body
TÜV Italia S.r.l.

Alessio Galizzo
Alessio Galizzo
Technical Responsible



Rinnovo del certificato emesso per la prima volta in data 2004-01-27

"La validità del presente certificato è subordinata a sorveglianza periodica a 12 mesi e al riesame completo del sistema di gestione aziendale con periodicità triennale"

"The validity of the present certificate depends on the annual surveillance every 12 months and on the complete review of company's management system after three-years."

TÜV Italia • Gruppo TÜV SÜD • Viale Carducci 125, Pal. 23 • 20099 Sesto San Giovanni (MI) • Italia • www.tuv.it

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CERTIFICATO

Nr 50 100 6325

Si attesta che / This is to certify that
IL SISTEMA DI GESTIONE AMBIENTALE DI
THE ENVIRONMENTAL MANAGEMENT SYSTEM OF

SOGESCA S.r.l.



VIA PITAGORA 11/A
I-35030 RUBANO (PD)

È CONFORME AI REQUISITI DELLA NORMA
HAS BEEN FOUND TO CONFORM TO THE REQUIREMENTS OF

UNI EN ISO 14001:2004

Questo certificato è valido per il seguente campo di applicazione
This certificate is valid for the following product or service range

**Servizi di consulenza alle imprese ed agli enti pubblici per lo
sviluppo sostenibile, l'ambiente, la qualità, la sicurezza e la
pianificazione del territorio (EA 35)**

**Consultancy services for enterprises and public authorities on
sustainable development, environment, quality, health and
safety and land panning (EA 35)**

Certificazione rilasciata in conformità al Regolamento Tecnico SINCERT RT-09

Data/date
2006-11-24



SOG N° 046A
SGA N° 018C
SGA N° 000F
SGI N° 0095
PQS N° 0818
Membro degli Accordi di Mutuo Riconoscimento EA e IAF
Signatory of EA and IAF Mutual Recognition Agreements

Per l'Organismo di Certificazione
For the Certification Body
TÜV Italia S.r.l.

Alessio Galizzo
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Technical Responsible



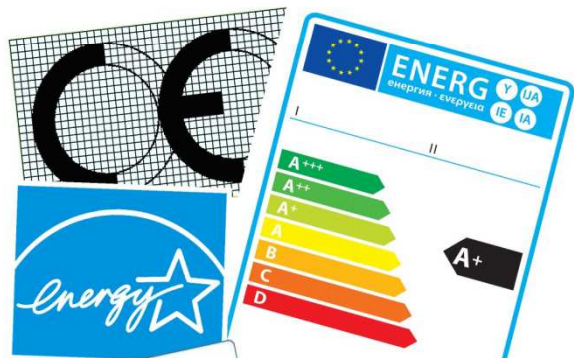
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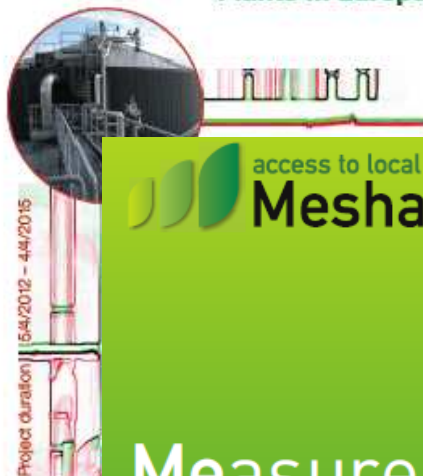


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THE ENTERPRISE EUROPE NETWORK



The WE-EEN project, financed by the European
Commission, provides free environmental
services to SMEs in the fields of:

- 1- WASTE MANAGEMENT
- 2- SURFACE TREATMENT
- 3- MANUFACTURING OF ELECTRONIC AND ELECTRIC COMPONENTS

www.we-een.eu



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SISTRI: the Origin of the system

The SISTRI is an information system wanted by the Italian Ministry of Environment to monitor hazardous and non-hazardous waste's traceability. The project started in 2009, in order to innovate and modernize the Public Administration, with the computerization of the industrial waste chain at a national level, and of the Campania Region's urban waste.

Sistema di controllo
della Tracciabilità dei Rifiuti **SISTRI**



MINISTERO DELL'AMBIENTE
E DELLA TUTELA DEL TERRITORIO E DEL MARE

The current procedure/ 1

- Waste holder has many obligations. Waste disposal or recovering can be managed by the holder himself or, in alternative, he can carry it out through private or public waste collector or authorized undertaking.
- Hazardous waste producers are obliged to report, yearly, data on waste quantities and categories to the National Waste Inventory. Waste information system is based on the National Waste Inventory
- All subjects involved in waste cycle (from production to disposal), shall report, every year, data about produced/managed waste by means of a compulsory questionnaire (MUD).

The current procedure/ 2

- Law provides also waste transporter's obligations: all establishments or undertakings that collect and transport waste on a professional basis shall be registered in the National Register of Waste Management Enterprises. Such registration does indeed substitute the permit.
- During transport, waste must be accompanied by an appropriate identification document. Waste transporters are obliged to report, every year, to the authorities about managed waste quantities and categories.
- All establishments and undertakings carrying out waste recovery and disposal operations with the Law 152/06:
 - Must obtain a permit from the competent authorities;
 - Should keep a record of the quantity, nature, origin, destination, frequency of collection, mode of transport and treatment method;
 - Must report, every year, to the authorities about managed waste quantities and categories

SISTRI: Characteristics

The SISTRI is meant to simplify the existent paper process, which is not capable of giving information on the movement in real time, but only delayed data of often days or weeks.

The introduction of the computerized system would provide a number of **benefits:**

- Reducing the workload for all the companies operating in the waste chain (with almost the entire removal of paper documentation)
- Reduction of costs throughout the waste chain operators to comply with the existent regulations
- Fighting waste illegality and especially illegal dumping of waste
- To simplify the controls on the waste chain from the Italian Government supervisors.

This is the reason for the establishment of SISTRI, whose management was entrusted to the Carabinieri Corps for the environmental protection (NOE).

Subjects obliged to adhere

- Initial producers of hazardous waste
- Initial producers of non-hazardous waste (with over 10 employees)
- Campania Region (Municipalities, institutions, private companies)
- Waste dealers and brokers
- Consortiums
- Professional carriers
- Intermodal transport operators
- Transporters of their own produced hazardous waste
- Recovery and Disposal plants



Subjects with Optional adherence:

- Initial producers of non-hazardous waste (with less than 10 employees or farmers)
- Transporters of their own produced non-hazardous waste

How does it work

By the establishment of Sistri, disposal facilities will be equipped with videosurveillance equipment and all users of the system, depending on the category, will acquire one or two electronic devices:

- a USB device already provided with a set of personal codes allowing a safe and easy access to the system:
- a true "black box" that must be installed on every transportation mean, and that allows to track the movement of waste transported at each stage of the trip.



What does it look like



SISTRI FORM- Chronological Register

The SISTRI form is divided into two areas:

- Chronological Register Area
- Waste Handling Area

| NUMERO IDENTIFICATIVO | DATA | DESCRIZIONE | QUANTITA' | UNITA' | PRODOTTORE | PRODOTTORE | QUANTITA' | UNITA' | PRODOTTORE | PRODOTTORE | PRODOTTORE | PRODOTTORE | PRODOTTORE | PRODOTTORE | PRODOTTORE | PRODOTTORE | PRODOTTORE |
|-----------------------|------|-------------|-----------|--------|------------|------------|-----------|--------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | | | | | | | | | | | | | | | | | |

The Chronological Register tracks the story of the material: charge & discharge of waste.

The manufacturing company should enter only at the first access the data of the production of waste in the Chronological register Area.

SISTRI FORM – Waste Handling Area

At a time when the subject (Producer, Transporter, Manager) moves the waste, the SISTRI - Handling Area form has to be filled as follows, exclusively with the data concerning the waste :

- Producer: number of packages, weight to be verified, transport subject to ADR (Accord Dangereuses Route), certificate (if required), presence of a broker/dealer, possible transport abroad, selection of the transporter and of the recipient;
- Transporter: mean of transport, driver, license plate, date of movement, location and possible intermodal transport;
- Manager: quantity received and accepted

SISTRI Form – Waste Handling Area

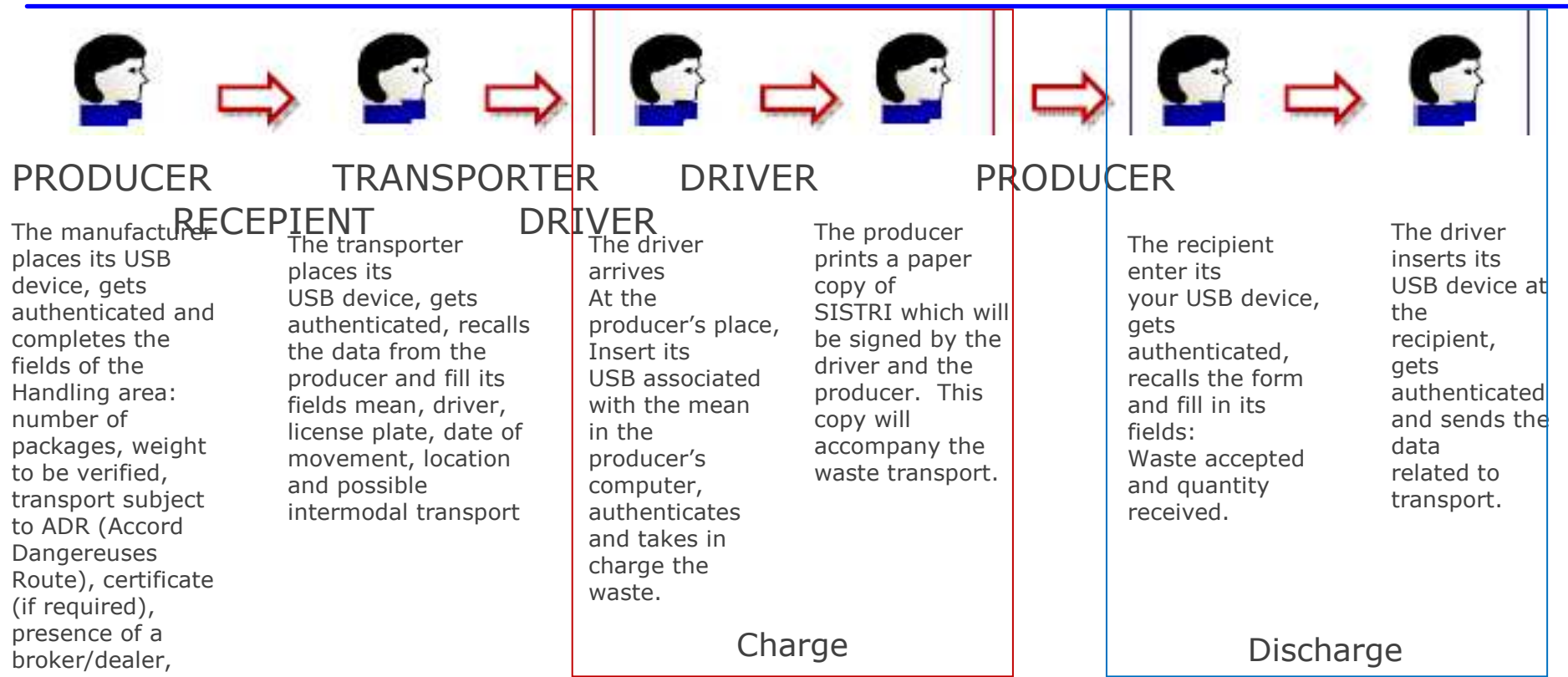
Is filled out during the handling of waste.

Some fields are displayed automatically by the system basing on the Chronological registry data inserted previously.

The system performs a check on input errors done by the user at the compiling time.

The image displays a complex web form for waste handling, organized into two columns and multiple sections. Each section is highlighted with a green border and contains various input fields, dropdown menus, and checkboxes. The form is filled with red text, likely representing a simulated or test data set. The sections are numbered and include labels such as 'Sezione 1: INFORMAZIONI GENERALI', 'Sezione 2: INFORMAZIONI SULLA GESTIONE', 'Sezione 3: INFORMAZIONI SULLA GESTIONE', 'Sezione 4: INFORMAZIONI SULLA GESTIONE', 'Sezione 5: INFORMAZIONI SULLA GESTIONE', 'Sezione 6: INFORMAZIONI SULLA GESTIONE', 'Sezione 7: INFORMAZIONI SULLA GESTIONE', and 'Sezione 8: INFORMAZIONI SULLA GESTIONE'. The form is designed for data entry and validation during the waste handling process.

SISTRI FORM – Operative flow



Trans boundary waste transport

From abroad to Italy:

- The authorized transporter must compile the module for the producer and for himself and signs
- Recipient: normal procedure

From Italy to abroad:

- The producer compiles the module, specifying transporter and final destination and signs
- The transporter plans the trip and signs

Information flow in the SISTRI



**Thank you for your kind
attention**

SOGESCA Ltd.
SOcietà per la GEstione
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Compatibile con l'Ambiente
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