



Green  
Building  
Council  
Italia

EUROPE REGIONAL  
NETWORK



# LEVEL(S)

|  
A Common European  
Language for Sustainable  
Building Assessment

**Rome - 27 nov 2017**

Workshop Level(s)

|

Sponsor

Thank you!



**MITSUBISHI ELECTRIC  
HYDRONICS & IT COOLING SYSTEMS S.p.A.**



## LEVELS – Building Sustainability Performance

# *Why a Common Approach is Key for the Market*

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and



**Lorenzo Orsenigo**  
**General Manager ICMQ**

**November 27th 2017**

## Welcome in ICMQ

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- **Certification and inspection body** leader in the **construction sector** in Italy
- More than 3.600 certified sites
- 70 qualified auditors operating in the various fields
- Wide range of specialized services of certification, inspection and training
- **22 accredited scheme** (5 for management systems, 11 for the product certification, 1 for the inspection and 5 for the certification of personnel)
- **International validity** of the management system certifications through the worldwide network **IQNet**

## Our partners

ICMQ Spa is the service company of the **ICMQ Institute** of certification and quality trademark for products and services for the construction industry (no profit association).

The association's mission is to **promote and foster quality awareness in the construction industry.**

ICMQ Institute partners include **national trade unions**, organizations and companies responsible for providing management services for public institutions.

### ACTIVE PARTNERS

<b>AITEC</b>	Italian technical and economic association of cement producers
<b>ANCE</b>	National trade association of construction companies
<b>ANDIL</b>	National trade association of the tile industry
<b>ANIEM</b>	National trade Association of minor construction companies
<b>ASSOMARMI</b>	Italian trade Association of the marble industry and subsidiary industries
<b>ASSOBETON</b>	National association of cement product manufacturers
<b>ATECAP</b>	Technical and economic association of precast concrete products
<b>CAGEMA</b>	Technical and economic association of limestone, gypsum and mortar producers
<b>CONFEDILIZIA</b>	Italian confederation of building owners
<b>CTE</b>	Construction sector Technician's College
<b>ENEL Spa</b>	National electrical energy body
<b>RFI Spa</b>	National Rail Network
<b>SITEB</b>	Italian association of bitumen sector operators

## Our partners

**Ministries** and technical  
State bodies, consortiums,  
bodies

### AUTOMATIC PARTNERS

**CNR** National Research Council  
**Ministry for Infrastructure and transportation**  
**Ministry for Economic Development**  
**Ministry for the Environment the Land and Sea**  
**Ministry for Labour and Social Policy**

### ADDITIONAL PARTNERS

<b>ANPEL</b>	National Association of Leca producers
<b>ASSIAD</b>	Italian Association of additives and concrete product manufacturers
<b>ATE</b>	Association of Construction Technologists
<b>CONPAVIPER</b>	Trade Union Association of flooring and industrial coating companies
<b>IMM Spa</b>	International marbles and machines Carrara

organizations and  
institutes that operate  
in the construction  
industry or are actively  
engaged in pursuing  
the Institute's purpose





## Our activities

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# Environmental Product Declarations

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## General principles

UNI EN ISO 14020

## Type I (Ecolabel)

UNI EN ISO 14024

## Type II (Self Declaration)

UNI EN ISO 14021



## Type III (EPD)

UNI EN ISO 14025

It is a **voluntary** ecological label with no minimum set thresholds for environmental performance.

The Environmental Product Declaration is a communication tool born to activate market leverage in order to develop more environmentally sustainable products.

Allows the user to assess the environmental performance of a product, **validated by an third party body**, objectively.

EPDs are purely informational documents and do not contain evaluation criteria, preferences and minimum levels to be observed.



## EPDItaly – The Italian Program Operator

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- EPDItaly operates in **all market sectors**
- In construction sector follows the EN 15804 requirements
- ICMQ is **founding member of ECO platform** and EPDItaly is **Established Program Operator**
- **EPDItaly has been recognized by Accredia**, Italian Accreditation Body member of EA and IAF
- **Certification bodies can obtain Accredia accreditation** for LCA verification in conformity to EPDItaly Regulations
- All certification bodies accredited by Accredia are **recognized by EPDItaly** for publication of their customers EPDs

# EPDItaly – The Italian Program Operator

**EPDItaly** has been cited in the Italian Law for green public procurement

tività ispettiva durante l'esecuzione delle opere. Tale documentazione dovrà essere presentata alla stazione appaltante in fase di esecuzione dei lavori, nelle modalità indicate nel relativo capitolato.

## 2.4.2.3 Laterizi

I laterizi usati per muratura e solai devono avere un contenuto di materie riciclate e/o recuperate (sul secco) di almeno il 10% sul peso del prodotto. Qualora i laterizi contengano, oltre a materia riciclate e/o recuperate, anche sottoprodotti e/o terre e rocce da scavo, la percentuale deve essere di almeno il 15% sul peso del prodotto.

I laterizi per coperture, pavimenti e muratura faccia vista devono avere un contenuto di materie riciclate e/o recuperate (sul secco) di almeno il 5% sul peso del prodotto. Qualora i laterizi contengano, oltre a materia riciclate e/o recuperate, anche sottoprodotti e/o terre e rocce da scavo, la percentuale deve essere di almeno il 7,5% sul peso del prodotto.

Al fine del calcolo della massa di materiale riciclato va considerata la quantità che rimane effettivamente nel prodotto finale.

Verifica: il progettista deve specificare le informazioni sul profilo ambientale dei prodotti scelti e deve prescrivere che in fase di approvvigionamento l'appaltatore dovrà accertarsi della rispondenza al criterio. La percentuale di materia riciclata deve essere dimostrata tramite una delle seguenti opzioni:

una dichiarazione ambientale di Prodotto di Tipo III (EPD), conforme alla norma UNI EN 15804 e alla norma ISO 14025, come EPDItaly© o equivalenti;

produttore conforme alla norma ISO 14021 che sia verificata da un organismo di valutazione della conformità.

## 2.4.2.5 Ghisa, ferro, acciaio

Per gli usi strutturali deve essere utilizzato acciaio prodotto con un contenuto minimo di materiale riciclato come di seguito specificato in base al tipo di processo industriale:

acciaio da forno elettrico: contenuto minimo di materiale riciclato pari al 70%.

acciaio da ciclo integrale: contenuto minimo di materiale riciclato pari al 10%.

Verifica: il progettista deve specificare le informazioni sul profilo ambientale dei prodotti scelti e deve prescrivere che in fase di approvvigionamento l'appaltatore dovrà accertarsi della rispondenza al criterio. La percentuale di materia riciclata deve essere dimostrata tramite una delle seguenti opzioni:

una dichiarazione ambientale di Prodotto di Tipo III (EPD), conforme alla norma UNI EN 15804 e alla norma ISO 14025, come EPDItaly© o equivalenti;

una certificazione di prodotto rilasciata da un organismo di valutazione della conformità che attesti il contenuto di riciclato attraverso l'esplicitazione del bilancio di massa, come ReMade in Italy® o equivalenti;

una certificazione di prodotto rilasciata da un organismo di valutazione della conformità che attesti il contenuto di riciclato attraverso l'esplicitazione del bilancio di massa che consiste nella verifica di una dichiarazione ambientale autodichiarata, conforme alla norma ISO 14021.

# Environmental Product Declarations



1. Different validation rules
2. Different Check lists
3. Different PCRs



## ECO Platform

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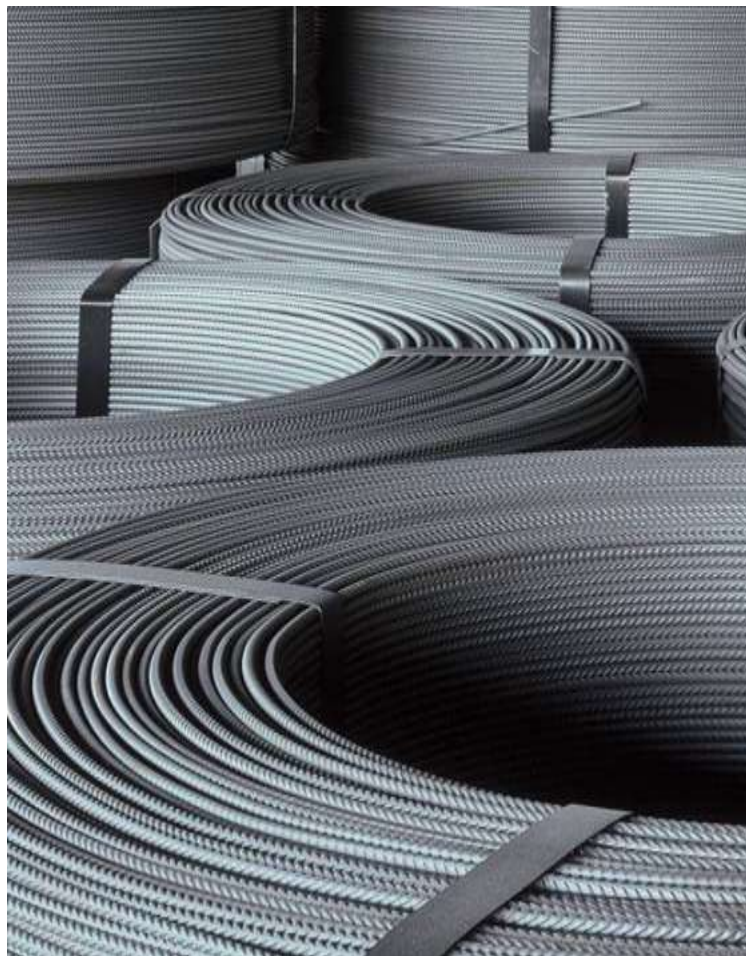
The first task of ECO Platform was the development of a **common framework** for EPDs in accordance with ISO 14025 and EN 15804.

Eco Platform participants, of which **ICMQ is a founding partner**, **share a common quality management system**, including mutual recognition verification procedures.

The Eco Platform workshops are tasked with continuous improvement of internal rules, **evaluation of the quality of verifications**, and effective communication of information.



## EPDItaly and ECO Platform



### ENVIRONMENTAL PRODUCT DECLARATION

HOT-ROLLED REINFORCING  
STEEL FOR CONCRETE IN  
BARS AND COILS

 **ALFA ACCIAI**

Gruppo  
 **ALFA ACCIAI**



Based on:  
PCR ICMQ-001/15 - rev. 0  
developed according to  
EN 15804:2014

Revision  
0 of 2016/04/12

Certification N°:  
EPDITALY0004

Valid until:  
2021/04/12

ECO EPD Ref. N°:  
00000364

## EPDItaly ed ECO Platform

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## Advantages

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- A common framework that **garantee the «quality»** of the EPDs issued
- The «ECO EPD» mark is **recognized** all over europe
- An **easy access** to the European Market for the manufacturers
- The scope is to **avoid multiple verification** in different european countries
- It is perfectly in line with the Commission vision for **«barrier to trade» elimination**

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*Thanks for your attention !*

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WORLD  
GREEN  
BUILDING  
COUNCIL

A large yellow line graph is superimposed on a background of a building facade with windows. The graph starts at the bottom left, goes up vertically, then right horizontally, then down diagonally, and finally up diagonally to end in an arrowhead pointing towards the top right.

Thank you  
for your  
attention!