



Sustainability and Leadership

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Agenda



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- Waves of sustainability
- Examples of good practices
- Current developments
- Conclusions

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Agenda



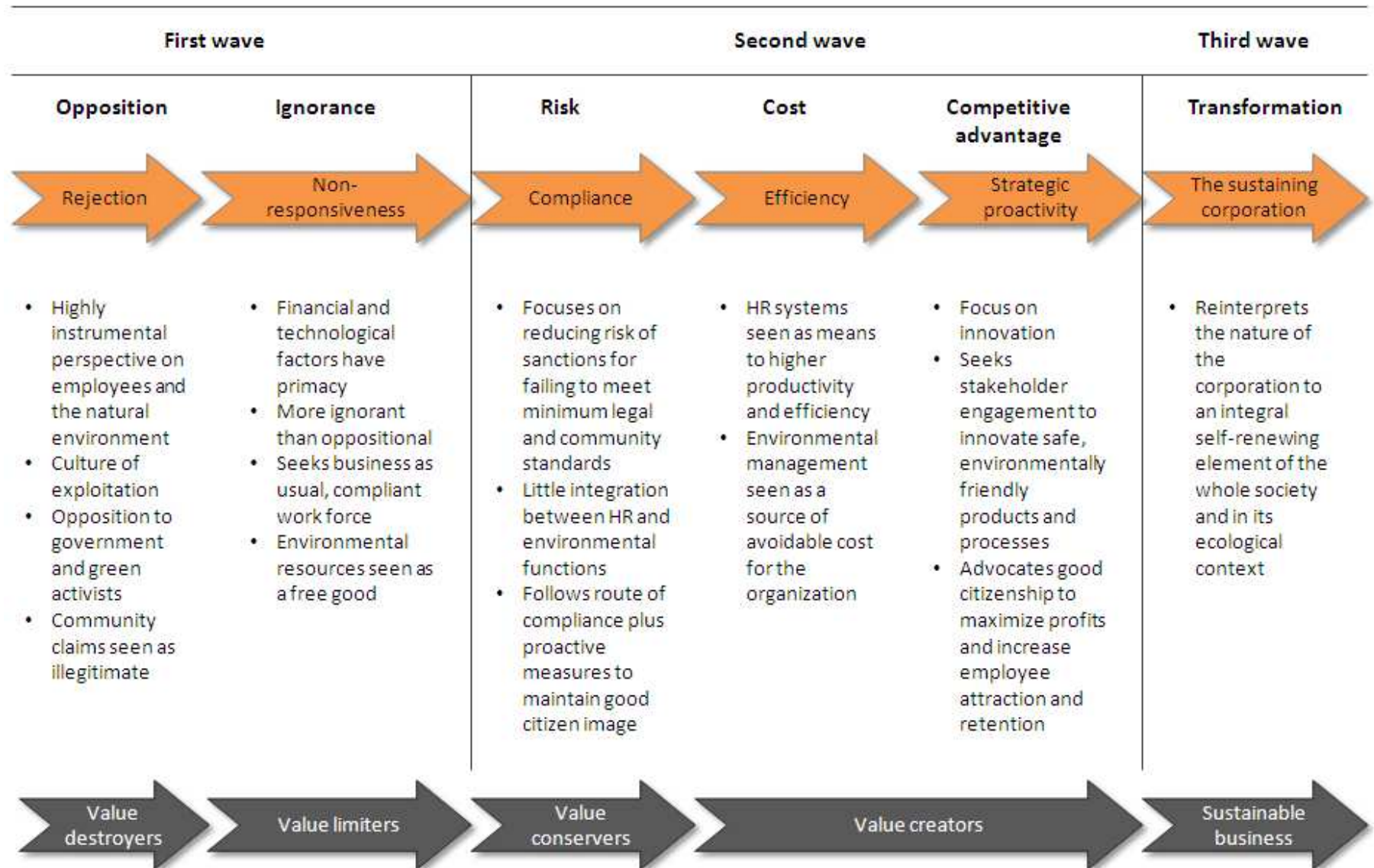
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- **Waves of sustainability**
- Examples of organizations to deal with sustainability
- Current developments
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Waves of Sustainability



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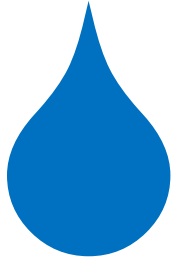
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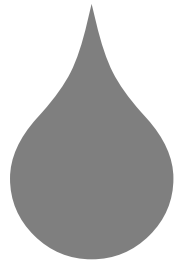
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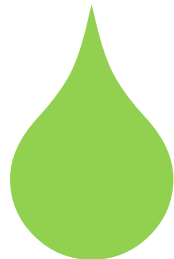
Water Footprint – The Concept



Blue water: volume of surface and groundwater consumed as a result of the production of a good or service



Grey water: volume of water is required to dilute pollutants to such an extent that the quality of the water remains at or above agreed water quality standards



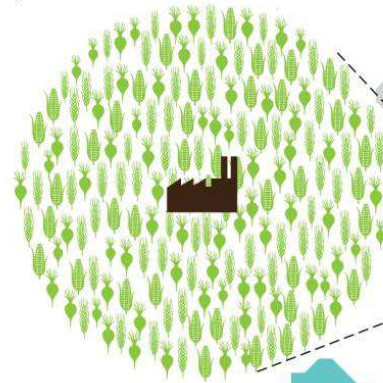
Green water: volume of rainwater evaporated during the production process

Water Footprint and Sustainability assessments

- **6 countries/ 10 regions**
- **50% of total European beet sugar use**
- **Objective:**
 - **To assess water footprint impacts**
 - **To locate sustainability risks**
 - **To guide business action**



Area of influence - 70km*



* In consultation with our suppliers, we defined an average beet-growing radius around each refinery of about 70km.

Telecommunication - Telefonica

- Telepresence and videoconferencing could replace between 5% and 20% of business trips
- 2 solutions:
 - e-meeting with Webex technology for SMEs
 - Telepresence for large companies
- 17 telepresence facilities
 - Emission reduction of almost 7,500 tonnes of CO₂e per year
- 30 global energy efficiency projects
 - 68 GWh saved energy and approx. 24 kTon CO₂eq
 - €7.6 million



Natural car components / Mercedes

■ Natural fibre car components

- reduce vehicle weight and fuel consumption,
- increase safety by their resistance to shattering on impact
- provide a luxurious look-and-feel

High ValueLow Eco cost

Daimler Chrysler car components using locally produced and manufactured sisal fibers. New technology, plant design and technical advice were required to implement the program.

The outcome is that 75% of the Mercedes Benz C Class rear shelf is composed of a sisal - cotton mixture.

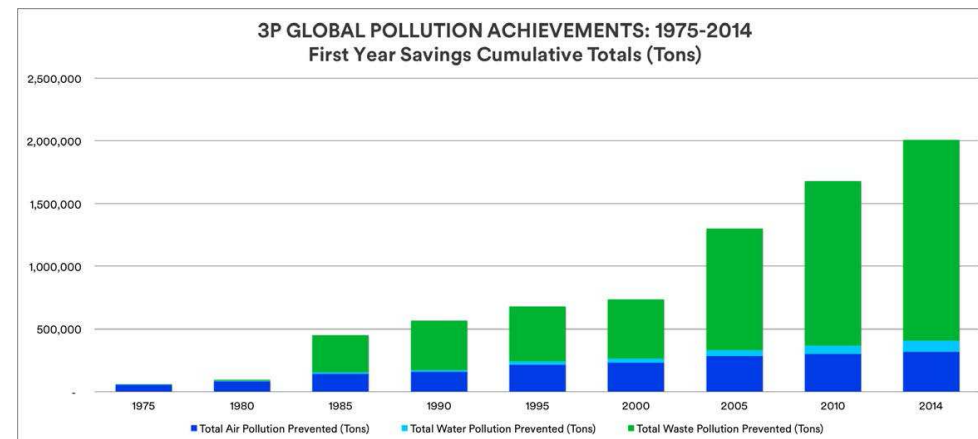
Natural fibre composite components
of Mercedes-Benz E Class (source: Daimler Chrysler)



3M - VOC reduction (volatile organic compound)

3M New Zealand - Pollution Prevention Pays (3P Program)

- New technology, upgrades and system modifications resulted in capturing and reusing 90% of its volatile organic compound emissions, improving air and waste water emission qualities and reducing solvent purchasing costs by 80%.
- Prevented more than 2.0 million tons of pollutants and saved nearly **\$1.9 billion (USD)**
- Applied method:
 - Product Reformulation
 - Process Modification and Redesign
 - Equipment Redesign
 - Supply Chain Improvements
 - Recycling and Reuse of Waste Materials



Walmart - good practice



Energy

Waste

Products

Responsible Sourcing

Walmart Zero-Waste-to-Landfill Program

Recycle, repurpose, reuse

Walmart compiles disposal and recovery data for 50 separate waste categories, such as cardboard, paper, aluminum, plastic bags and more.



50
separate
waste
categories

571
million pounds
of donated food

Donated food

In 2013, Walmart stores/clubs donated 571 million pounds of food – the equivalent of 368.6 million meals – to local food banks and hunger relief organizations, like Feeding America.

Reused organic material

Walmart worked directly with suppliers to turn 56 million pounds of recovered cooking oil into bio-diesel, soap and supplement for animal feed.



56
million pounds
of recovered
cooking oil

Plastic shopping bags

One-time-use shopping bags represent a tremendous opportunity to reduce the amount of waste being sent to landfills. Through a variety of initiatives in each of the markets we serve around the world, Walmart reduced plastic bag waste by more than 38% by the end of 2013, compared to our 2007 baseline. That represents a reduction of 10 billion bags annually.

Responsible packaging

We all know the 3 “R’s” of sustainability – reduce, reuse and recycle. At Walmart, there’s a fourth “R” – rethink. By working with our suppliers, we’re developing product packaging solutions that cut unnecessary waste and save our customers money. These are a few recent examples:

Supply chain mapping

- Creating an overview of key suppliers and logistic routes
- Asking for Sustainability Program for all suppliers

Internal programs

- Sustainable packaging
- Less food waste

Energy

- RES started and main goals – 100% energy produced



Sustainability Index & Leaders Shop

We’re Integrating a new retail standard that will assess and improve the sustainability of our products.



Sustainable Design & Manufacturing

From recycled content to packaging optimization, our attention to the materials that go into the products we sell helps deliver value to our customers.

Sustainable Food

We’re committed to reducing food waste, helping farmers optimize production and sustainably sourcing agricultural products.

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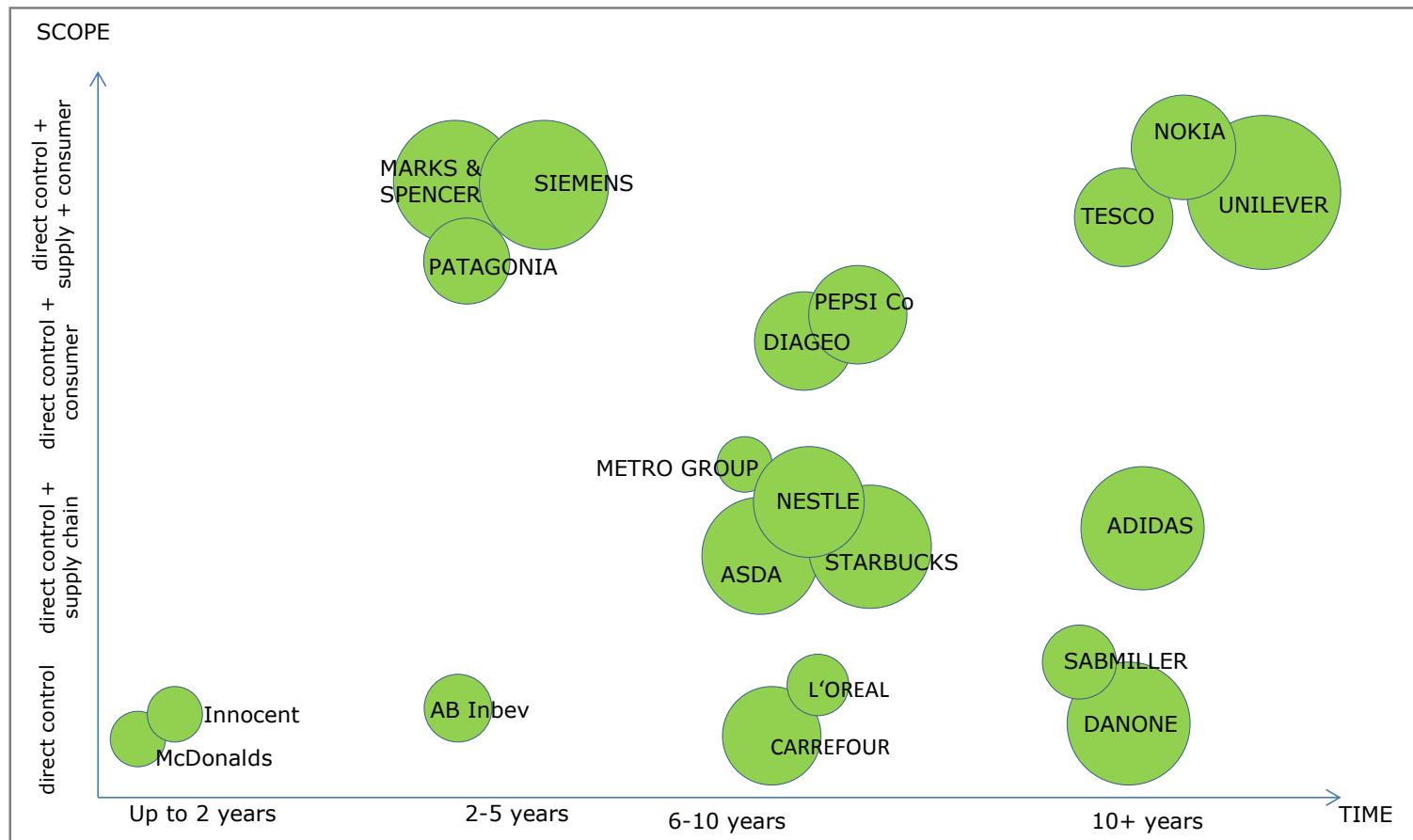
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Strategy (long-term goals & value chain)

- Development of long-term goals / strategy development
 - Maturity
 - Involvement of supply chain / clients/ customers



EMAS III

Changes compared to EMAS II:

- Integration all relevant guidance information in one legal document
- Improvement of the applicability and credibility of the scheme:
 - Global validity
 - Environmental core indicators to document environmental performance
 - Revised audit cycles for SMEs
 - Single corporate registration to ease administrative and financial burdens on organizations with several sites
 - Cluster approach to provide specific assistance to clusters of organizations



Sustainability Reporting – GRI 4

- New definition of supply chain
- New disclosures on the supply chain, including procurement practice, screening and assessment as well as remediation

99 Describe the organization's supply chain.

100 **[Guidance]** A description of the supply chain may include but is not limited to:

- 101 1. Total number of suppliers
- 102 2. Total monetary value and/or volume of materials, products and services purchased directly from
- 103 suppliers, broken down by:
- 104 a. The types of materials, products and services provided by suppliers that are used for the
- 105 organization's primary brands, products and/or services, as reported under DI 4
- 106 b. Types of suppliers
- 107 c. Location of suppliers by country and/or region. Where it will provide appropriate
- 108 context on relevant risks and impacts, identify the location of suppliers within a country.
- 109 List those suppliers that are located in weak governance zones and Export Processing
- 110 Zones (also called Special Economic Zones or Free Trade Zones)



MATERIALITY MATTERS



AT THE TIME OF PUBLICATION THE G4-17 TO G4-27 DISCLOSURES WERE CORRECTLY LOCATED IN THIS G4 CONTENT INDEX AND FINAL REPORT.



Certified Sustainability Manager

- If you want to become a Sustainability Manager and to contribute
 - To a better life
 - To a green economy
 - To assure the future generation wellbeing

REGISTER: www.leadsus.eu



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Trainings >

Online training

Register for the self-assessment portal and on-line training platform here (one registration for both):

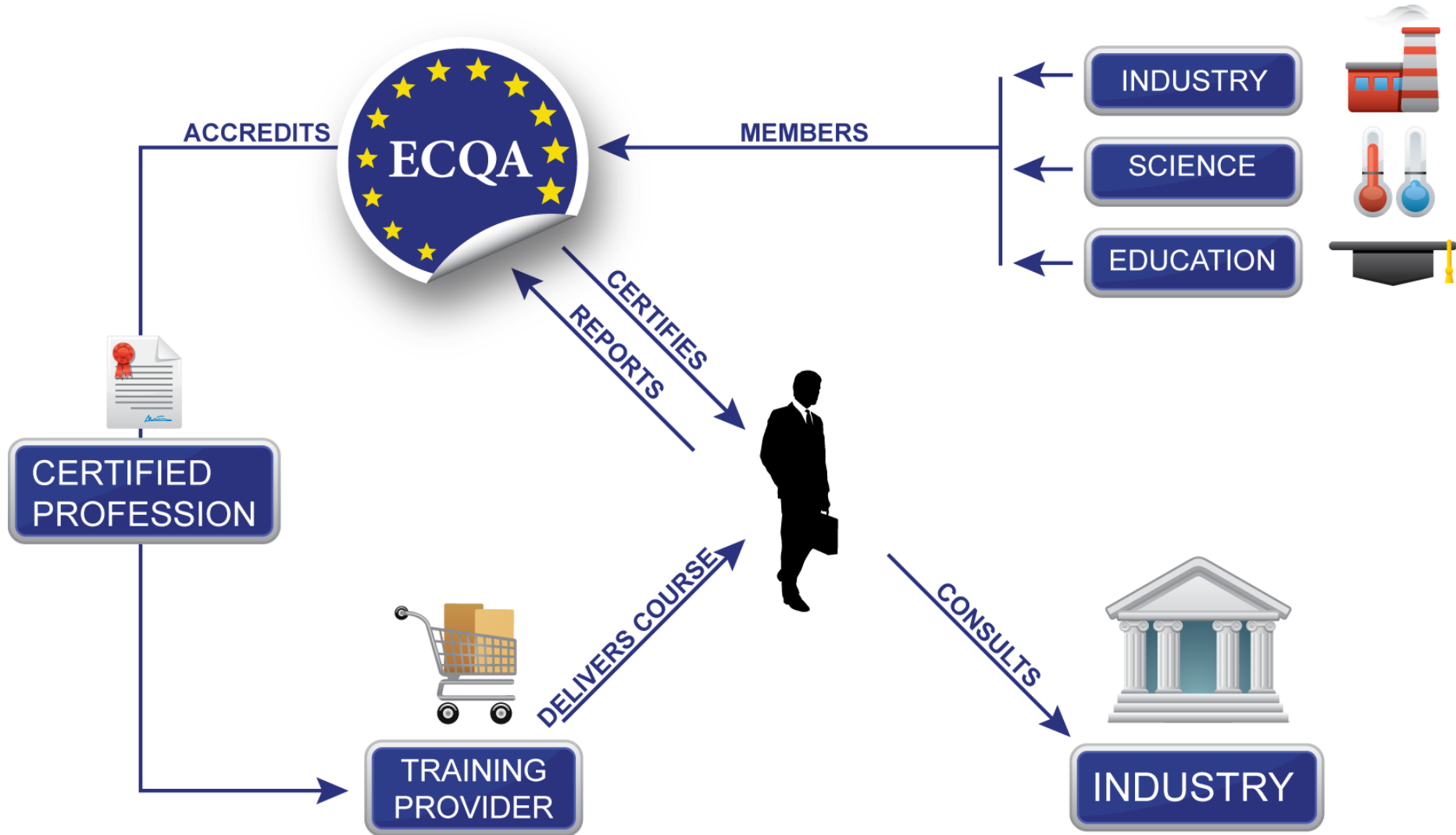


Registration for **Foundation Level exam**



Registration for **Advanced Level exam**
 (Please select 1st option: I have registered to the system before and have a username and password.)

Stakeholders and Key Relationships in Certification Process



ECQA offers

1. A worldwide unified certification schema for numerous professions:

- Experts from various markets **define the appropriate content** needed for a certain profession (a skill card).
- Exam committees **develop and update a related exam pool** for common usage on an international level.
- A certified examination body **offers and supervises exams**.
- A certification body (ECQA or accredited certification organization) **issues certificates**.
- Certified participants are **internationally promoted**

ECQA certificates

Summary Certificate of EU Project Manager Competencies



Muster-01-1234

Max Mustermann

has passed the
CERTIFIED EU PROJECT MANAGER
examinations for the following accredited units
and learning elements

UNITS	ELEMENTS			
U1	E1			
U2	E1	E2	E3	E4
U3	E1	E2	E3	
U4	E1	E2	E3	

Graz, 11th August 2009

Date

President of ECQA



LEGEND



Introduction into EU Projects (U1)

- EU Structure and EU Programs (E1)

Project Objectives and Finance (U2)

- Start Up and Objectives (E1)
- Management of Work Packages and Project Results (E2)
- Finance Management (E3)
- Contract Management (E4)

Co-Operation (U3)

- Communication and Team Management (E1)
- Exploitation and Sustainability (E2)
- Reporting (E3)

Quality Management (U4)

- Quality Planning (E1)
- Quality Assurance (E2)
- Risk Management (E3)



issued by
European Certification and
Qualification Association (ECQA)
Parisstrasse 1
A-3500 Kennis, Austria
www.ecqa.eu

Key topics of the LeaSUS training

Leadership in Sustainability – Sustainability manager

- **U1 Foundation - Understanding Sustainability**
- **U2 Technical concepts - Resource Management**
- **U3 Social Responsibility**
- **U4 Product/Service Sustainability**
- **U5 Management for Sustainability**



**Leonardo da Vinci – Transfer of innovation project
Leadership in Sustainability – Sustainability Manager
Nr. Contract: LLP - LdV / TOI / 2013 / RO / 022
Nr. Project: 2013-1-RO1-LE005 – 28771**



The project has been funded with support from the European Commission. This material reflects the views of the author – the LeadSUS consortium – and the Commission cannot be held responsible for any use which may be made of the information contained therein

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Sustainable Development



evolutionary

„Nothing is more powerful than an idea
whose time has come“

Victor Hugo



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