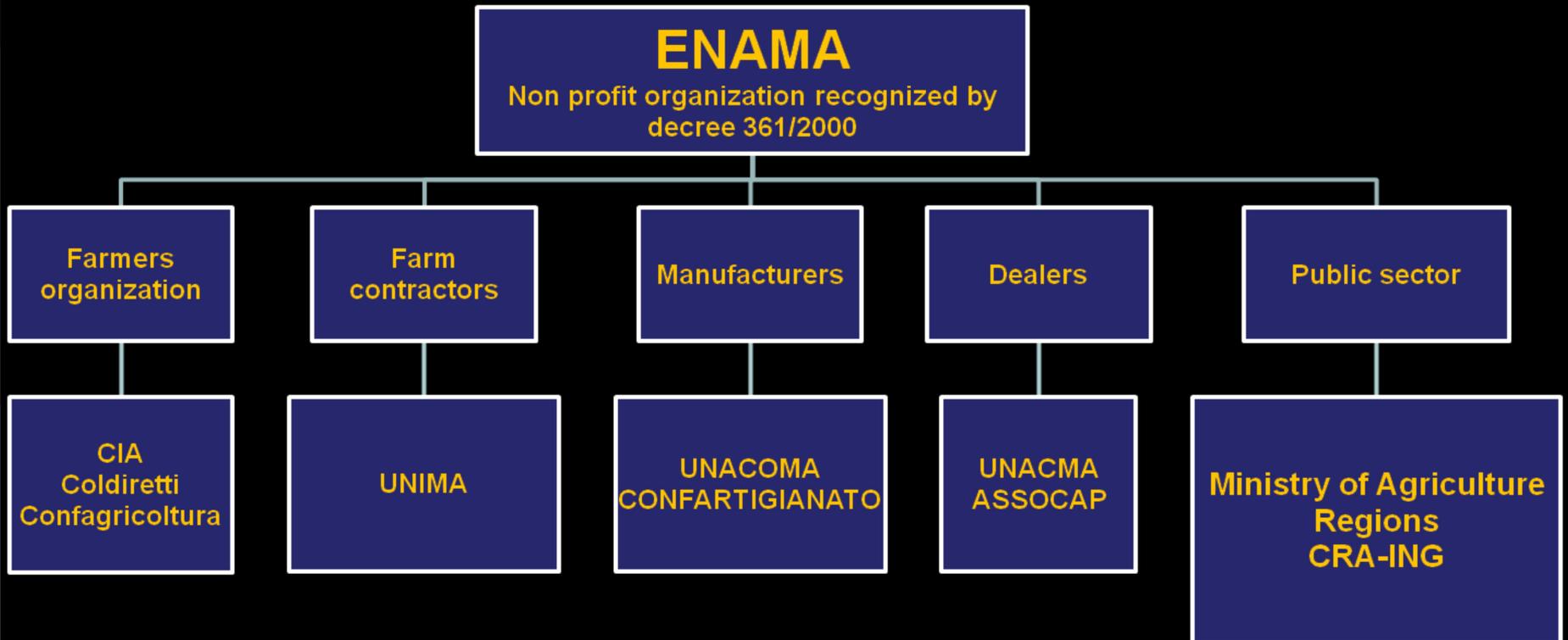


EXPO 2015

Milan, 23 September

ENAMA

***Initiatives to improve safety in the use of
agricultural machinery
in Europe and in emerging markets***



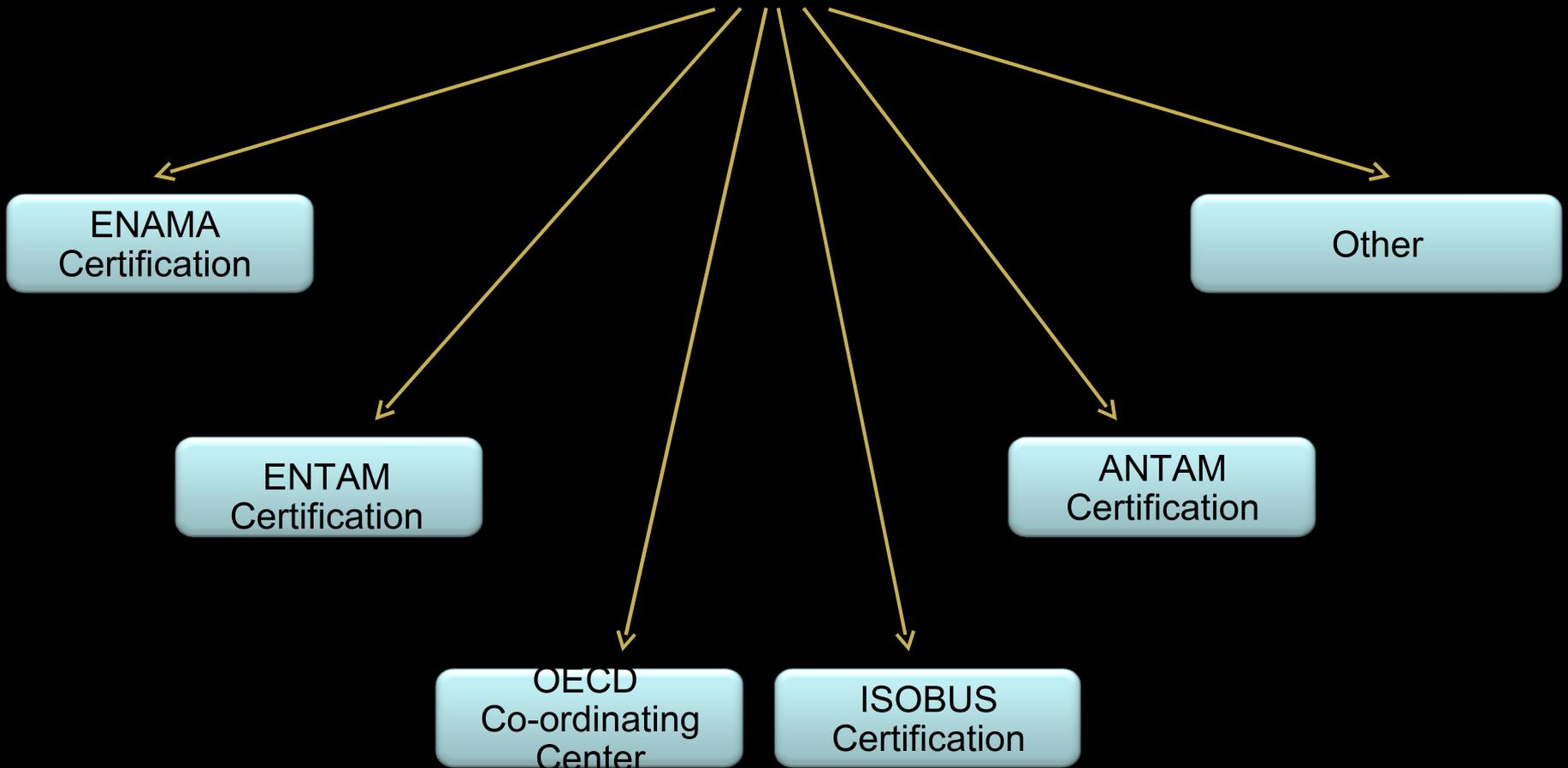
EXPO 2015

Milan, 23 September

Enama's core business

Enama is recognized in accordance with the provisions of Italian Presidential Decree 361/2000 as a body established to offer the agro-engineering sector an effective support in order to improve:

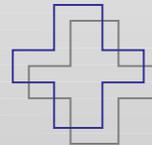
- Competitiveness
- Enhance technology
- Raise awareness of the performance and safety features



EXPO 2015
Milan, 23 September

ENAMA's Certification

Safety
Certification



Performances
Certification



ENAMA's Certification

Safety

Performances



N.	Descrizione	Si	No	Non previsto	Esempio di valutazione
2.1	È stata verificata la presenza di protezione che impedisce il contatto di parti in movimento con parti non di servizio e di contatto di servizio.	Si	No	Non previsto	
2.2	È stata verificata la presenza di protezione che impedisce il contatto di parti in movimento con parti di servizio e di servizio con parti in movimento.	Si	No	Non previsto	
2.3	È stata verificata la presenza di protezione che impedisce il contatto di parti in movimento con parti di servizio e di servizio con parti in movimento.	Si	No	Non previsto	
2.4					



PROTOCOLLO PER IL RILIEVO DELLE CARATTERISTICHE FUNZIONALI

Categoria 05

MACCHINE IRRORATRICI

Metodologia approvata in ambito ENTAM (European Network for Testing of Agricultural Machines)

Protocollo Categoria 05
Revisione 2.0 - Ottobre 2008

Positive Result

Positive result



Safety Certification





EXPO 2015

Milan, 23 September

ENTAM

(European Network for Testing of Agricultural Machines)

- International effort to guarantee independent and harmonized testing systems in European Countries
- Assess performances, safety, environmental protection, animal welfare requirements in animal husbandry
- European projects and other common activities



Austria



Belgium



Denmark



Germany



Italy



Switzerland



Greece



G. Britain



Spain



France



Germany



Spain



Hungary



Poland



France



Poland



Czech Republic



Argentina



F.A.O.

EXPO 2015

Milan, 23 September

The OECD Certification

(The Organization for Economic Co-operation and Development)

Agricultural mechanization

34 Member Countries

32 Testing Stations

OECD tractor Codes

THE OECD

- **Inter-governmental Organization**

in 1961

- 34 Member countries
- Works with > 80 partners, developing and transition economies
- Works with > 30 International Organisations (IOs)

- **Multilateral Forum ...**

- Addresses economic, social, environmental, trade and agricultural challenges
- Economic analyses ...

OECD TRACTOR CODES

The OECD Standard Codes for the official testing of agricultural and forestry tractors are a set of rules and procedures for testing and certifying tractors and their protective structures.

Implementation of the Codes ensures that protective structures and performance criteria are carried out on a comparative basis, thus increase transparency, simplify international trade procedures, and open markets.

EXPO 2015

Milan, 23 September

THE OECD TRACTOR CODES

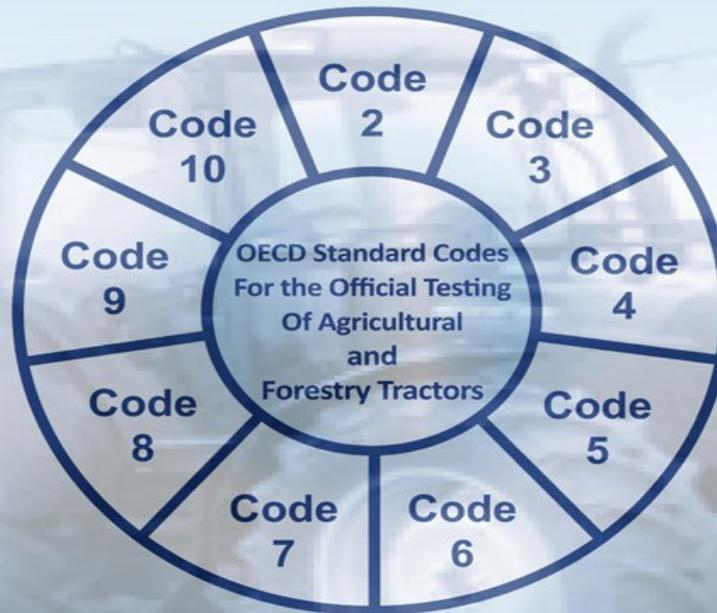
Code 2:
the performance of
tractors

Code 4:
the strength of protective
structures for standard
tractors (Static Test)

Code 8:
the strength of protective
structures on tracklaying
tractors

Code 9:
the strength of protective
structures for telehandlers

Code 10:
the strength of falling
object protective
structures for agricultural
and forestry tractors



Code 3:
the strength of protective
structures for standard
tractors (Dynamic Test)

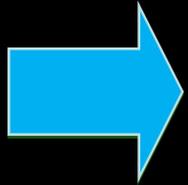
Code 5:
noise measurement at the
driver's position(s)

Code 6:
the strength of the
front-mounted roll-over
protective structures on
narrow-track wheeled
agricultural and forestry
tractors

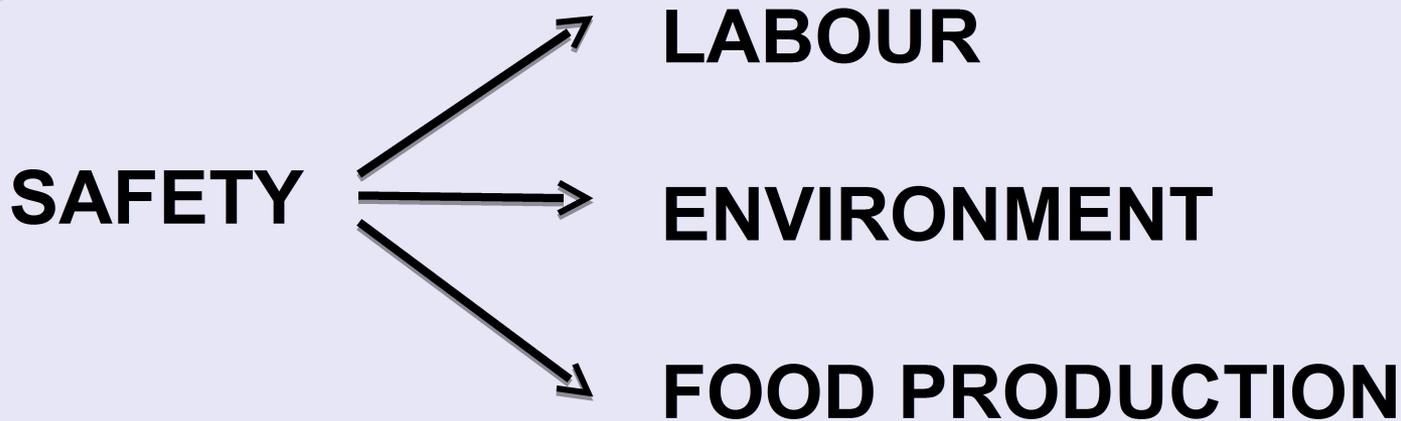
Code 7:
the strength of the
rear-mounted roll-over
protective structures on
narrow-track wheeled
agricultural and forestry
tractors



www.oecd.org/tad/tractor

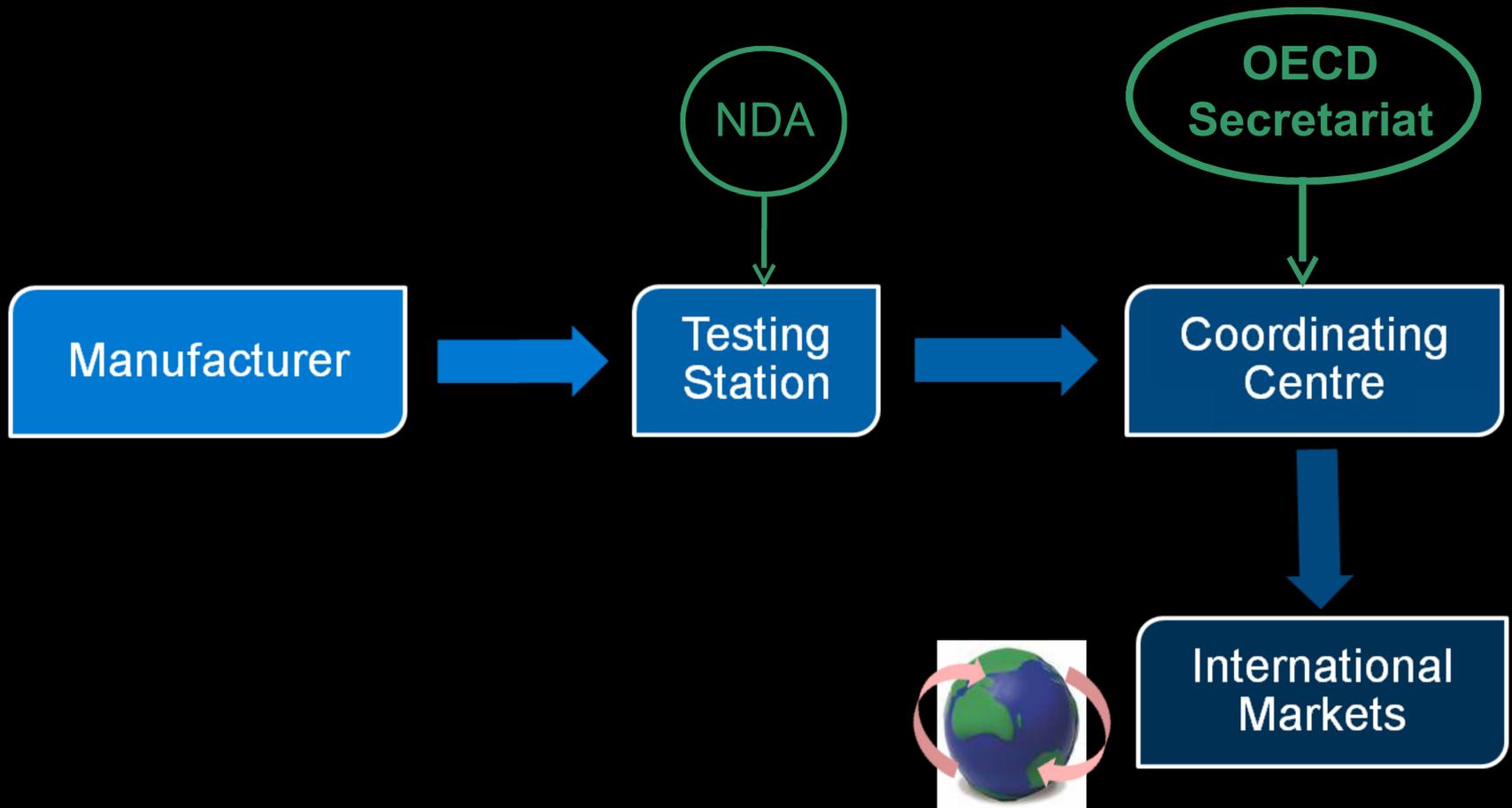


providing better



**OECD TRACTOR
CODES**

GLOBALISATION WITH COMMON RULES



EXPO 2015

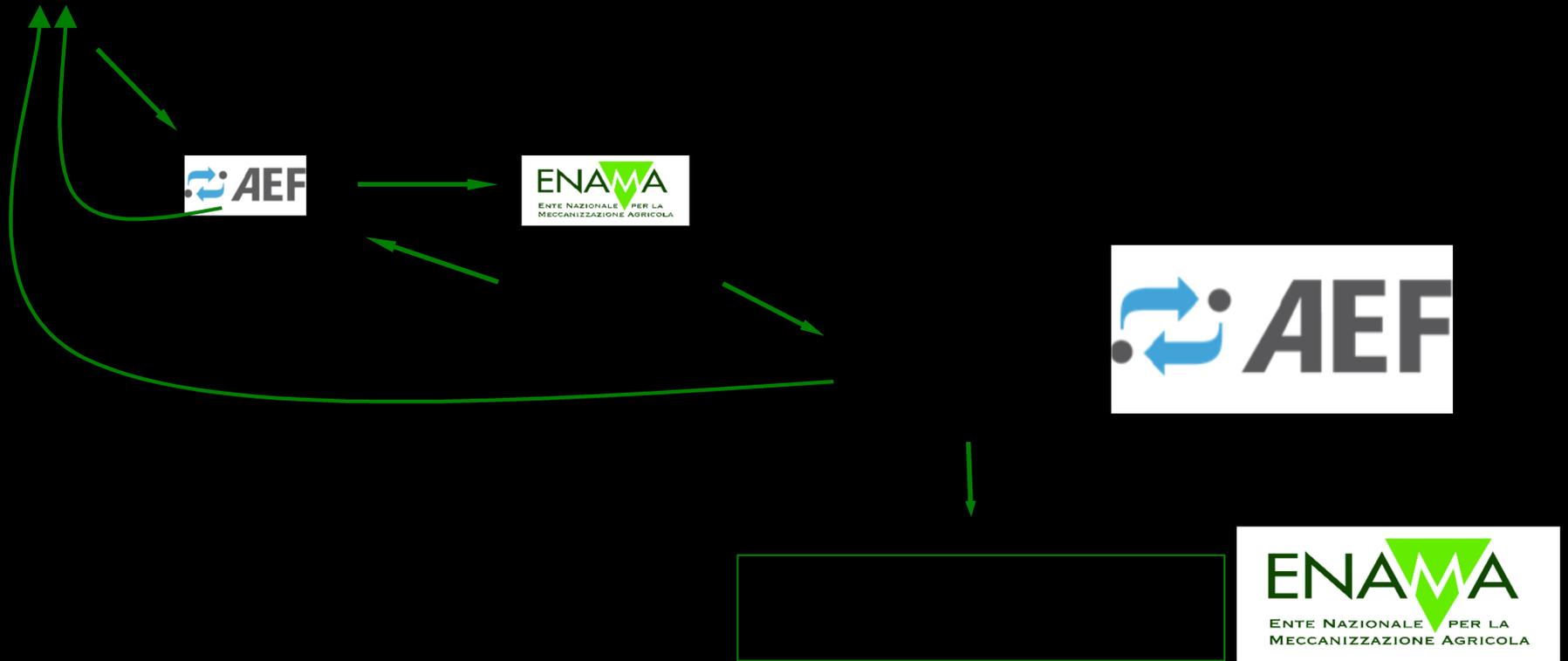
Milan, 23 September

ENAMA acting as OECD Coordinating Center ensures

- Same test stations approach to the Codes
- Accurate and Fast Verification of test reports
- Traceability and data availability

guarantying and protecting all parts involved





ENAMA's role within ANTAM

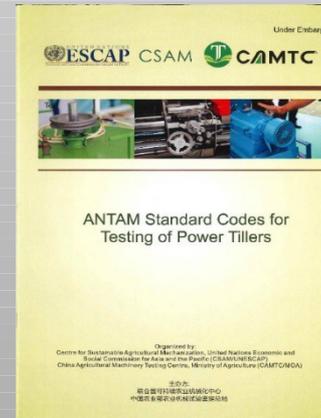
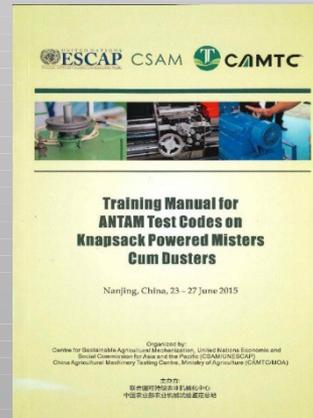


EXPO 2015

Milan, 23 September

Enama's role in Asian and Pacific

- Enama provides a technical support for the new rules of the future subsidy policies in Asia for the agricultural machinery sector.
- In addition, under the umbrella of the UN/ESCAP and the Centre for Sustainable Agricultural Mechanization (UN-CSAM), ENAMA is working to promote the sustainability of agricultural mechanization throughout Asia and the Pacific.
- ENAMA will help the network for the harmonization of standards, test procedures and certification systems for better quality of agriculture in the region.



EXPO 2015

Milan, 23 September

Other International agreement

- **European Organizations**: ENTAM Member, Farmers Organizations, Manufacturers Organizations.
- **ABIMAQ (Brazilian Association of Machines & Equipment Manufacturers)**: agreement for the development of joint activities and the supply on the part of Enama's of certification and type approval services.
- **DELTA (Tunisia)**: agreement for the promotion of bilateral partnership and coordination and management of commercial agreements, JVs.

EXPO 2015

Milan, 23 September

International Activities with Chinese Organizations

- Relations with **Chinese Ministry of Agriculture** and China Association of Agricultural Machinery Manufacturers (**CAAMM**)
- **Chinese Companies** – common activities for the development of products and joint ventures (tractors and other manufacturers) / Certification and homologations
- **UN-ESCAP/CSAM (Beijing)**: Technical Reference Unit and Member of Advisory Panel of **ANTAM** (Asian and the Pacific Network for Agricultural Mechanization) promoted by UN/ESCAP-CSAM together with FAO, UNIDO and OECD and 20 countries of Asia and the Pacific
- **ZETDZ – ENAMA Agriculture Operative Cooperation (Zhenjiang – China)**

EXPO 2015
Milan, 23 September

Thank you for your attention!

Info or question at

www.enama.it