

LISBOA 2010 16th World Meeting

MAY 25/28



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ECOLOGY ERGONOMY ECONOMY EVOLUTION
are the manufacturers' key drivers

Contribution of manufacturers to sustainability

Jacques BONVALLET, FAYAT Group

Trends and drivers

Manufacturers have changed the way they think

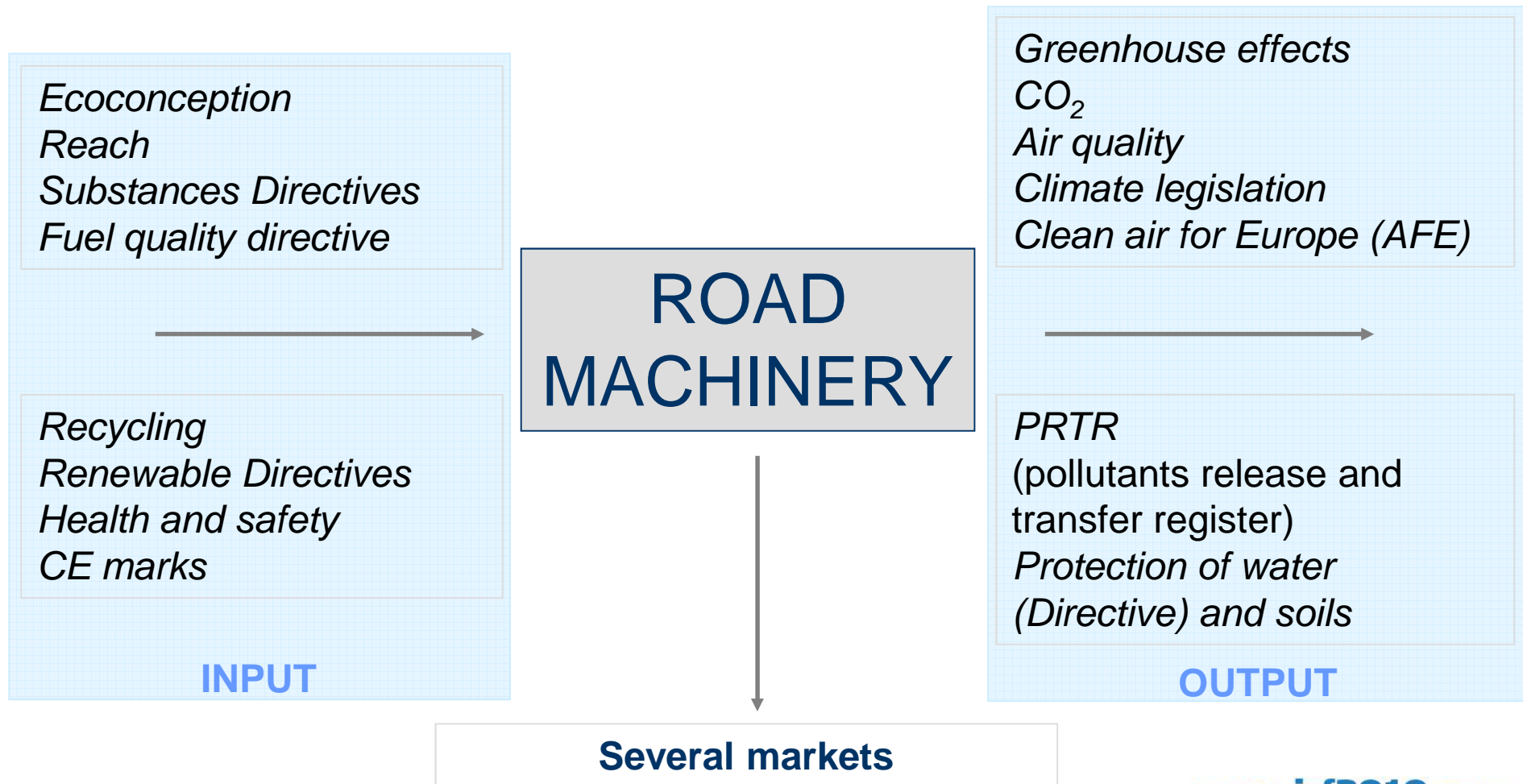
- Back to basics (Essentials, crisis effect)
- Ecology, sustainability
- Innovation is less technological and more multi polar

Directives

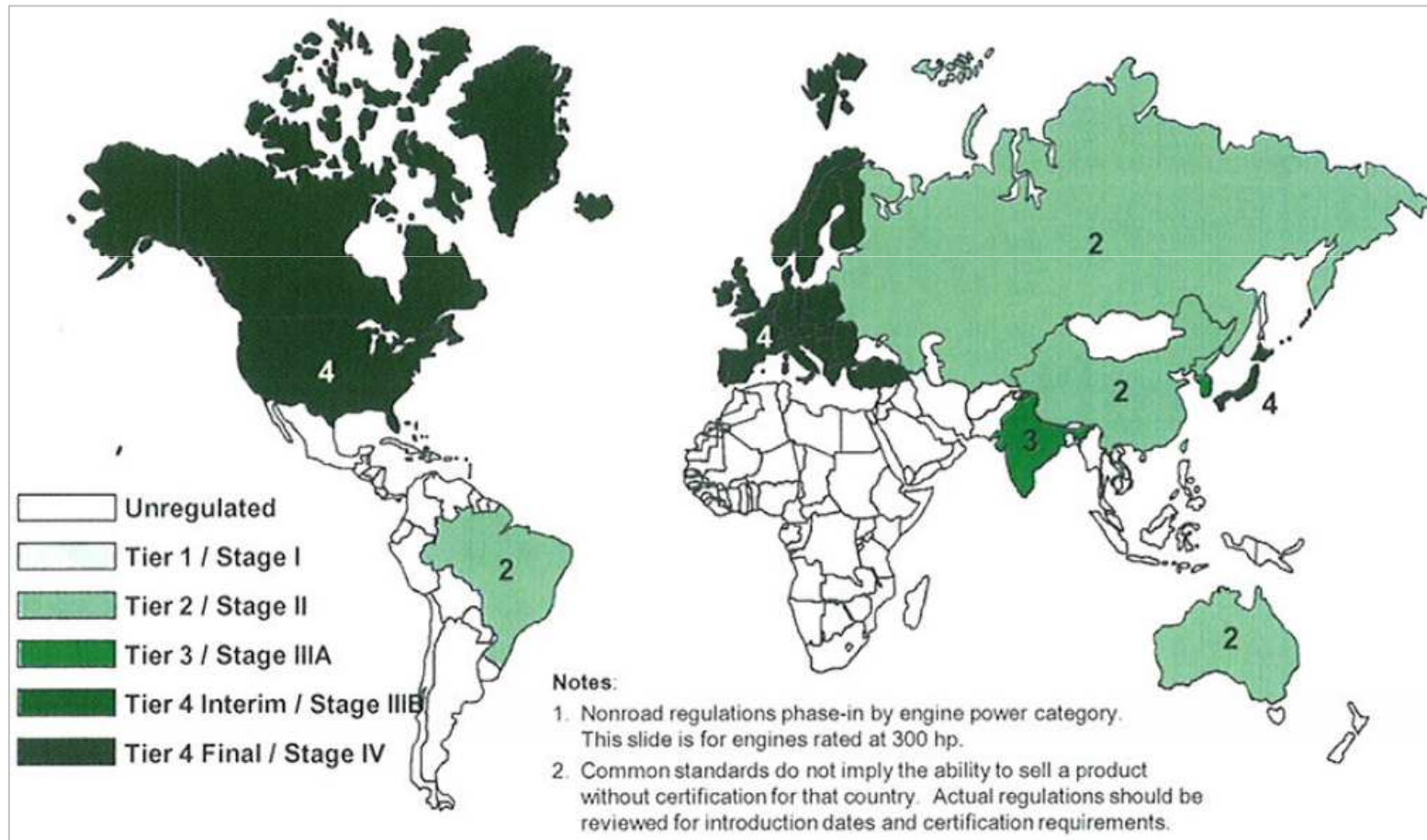
Machinery and emission Directives:

- We have a road map for reducing emissions levels (Noise Directive 2005/88/EC) and engine (Emission Directive 2004/26/EC)
- Steps: 2011, 2015
- 2 speakers will explain these topics:
Mrs Cosette Dussaughey, CISMA / CECE
Mr Giorgio Billi, UNACOMA / CECE

Criteria



Worldwide view – 2015 (forecasts)



Working in the city

- Minimising the working time
- Decreasing the noise level and emissions
- Importance of the machine design
- Notion of discreet work

Mr Karel Goedkoop from RAVO, sweeper manufacturer in NL, has worked a lot on this matter



Recycling, using wastes to build new roads

- We have different targets according to different countries, and equipments are not standard
- Germany / Nederland: 100% of the available RAP is reused
- Southern countries (France, Spain, Italy, Portugal): we are late, but improving very quickly our situation with new targets for 2020

2 speakers will present recycling solutions

- Recycling solutions: typology, cold, hot and warm, in place, in plant

Mr Jacques Bonvallet, FAYAT

- Batch recycling solution with high recycling ratio

Mr Christian Jacobi, AMMANN



ECO DESIGN ECO DIRECTIVE 2005/32/EC & 2008/28/EC

- Not a fashion, but a Directive
Product life cycle
- Mr John Ferraris, from Caterpillar, will give a few examples



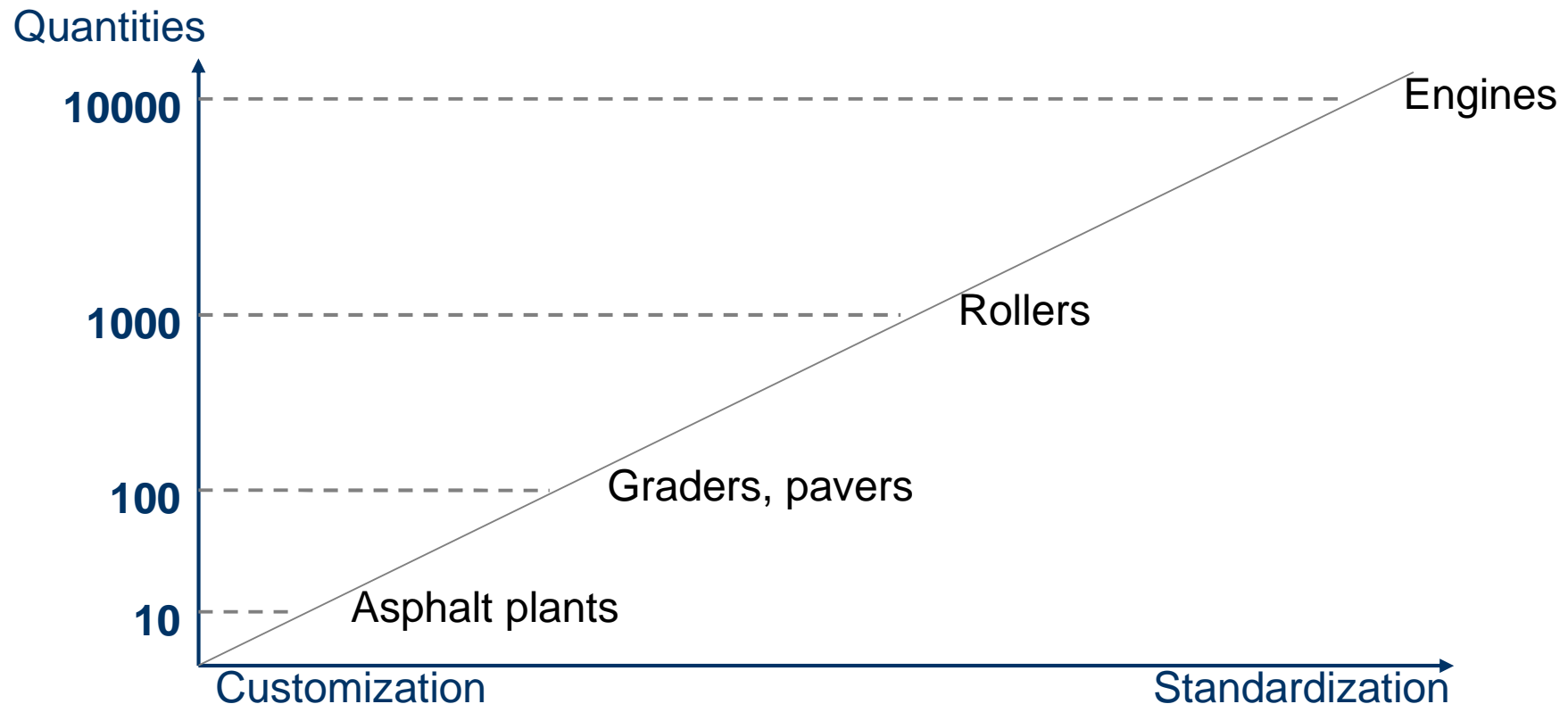
What about new engines?

What about road equipment or truck engines?

- Emissions,
- Eco-fuel,
- Hybrid engines
- But also standards (worldwide)

Mr Pierre Guyot will highlight the point of view of a world leader manufacturer, John Deere

Constructors and contractors



- Recycling low energy mixes
=> new equipments are developed

Contractors

- As an example: Mr Alain Romier (FAIRCO)
Hot mix plants standards have been modified
and fitted with new peripherals
- Maintenance equipment: Mr Michaud
(COLAS) has worked with SECMAIR to
develop a new fibersealer machine