

# International comparison of production cost of eggs.

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# Layer farming in the Netherlands



- Moderate 'Sea' climate
- Small scale (30.000 – 100.000 layers)
- Family owned, independent farms

# Housing system 1: cages



- 50% of the hens in NL
- 550 cm<sup>2</sup> per hen

# Housing system 2: floor / aviary



# Housing system 3: outdoor (free range/ organic)



- Outdoor in grassland
- 20% of the hens in NL

# Layer farming in Poland

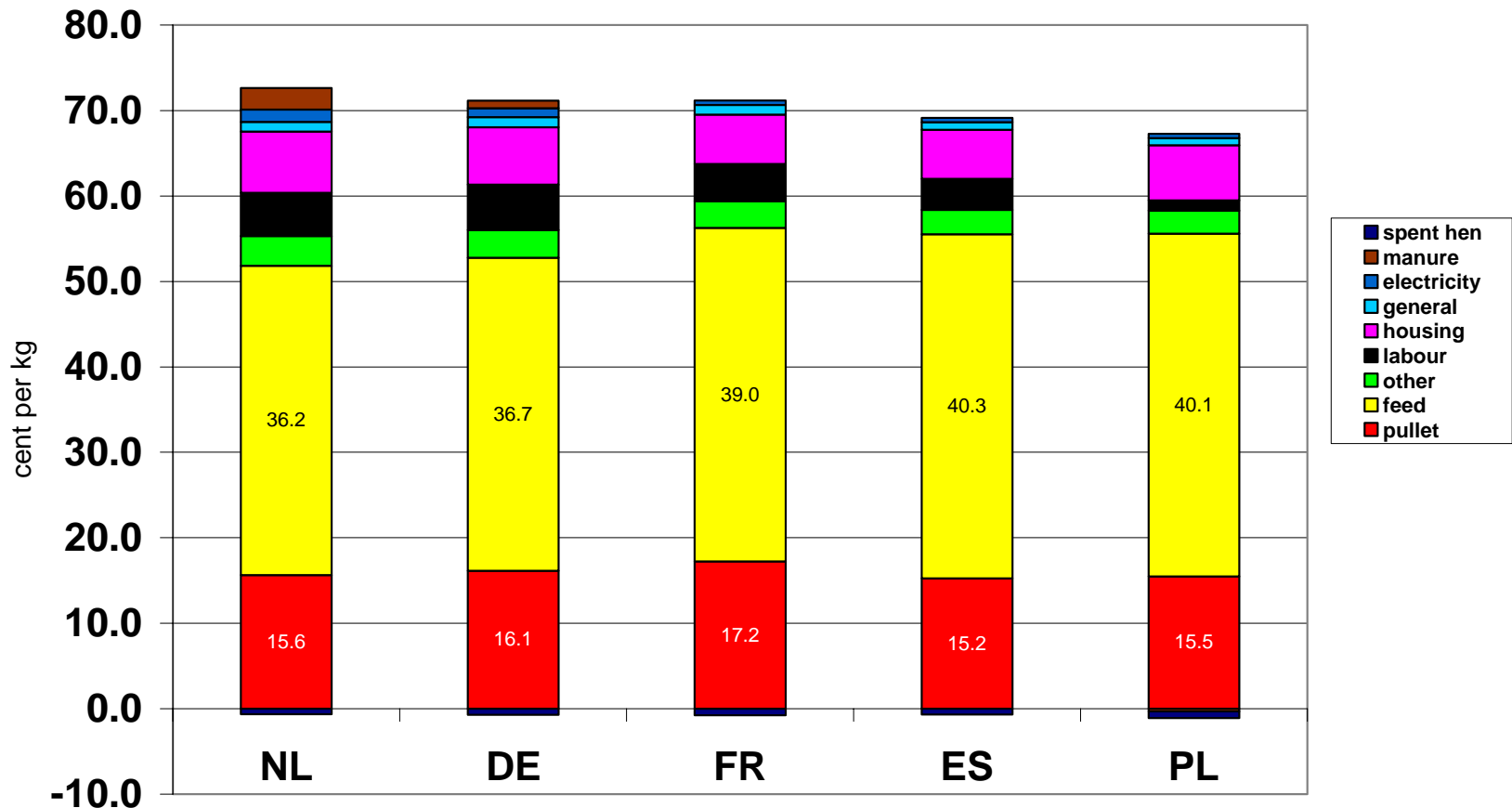


- Large scale farms

# Comparison of production cost

- Collecting basic data in EU, Brazil, USA
- NL calculation method
- Year 2004
- Focus on:
  - Primary: pullet, feed, housing, labour

# Cost of primary production in 2004



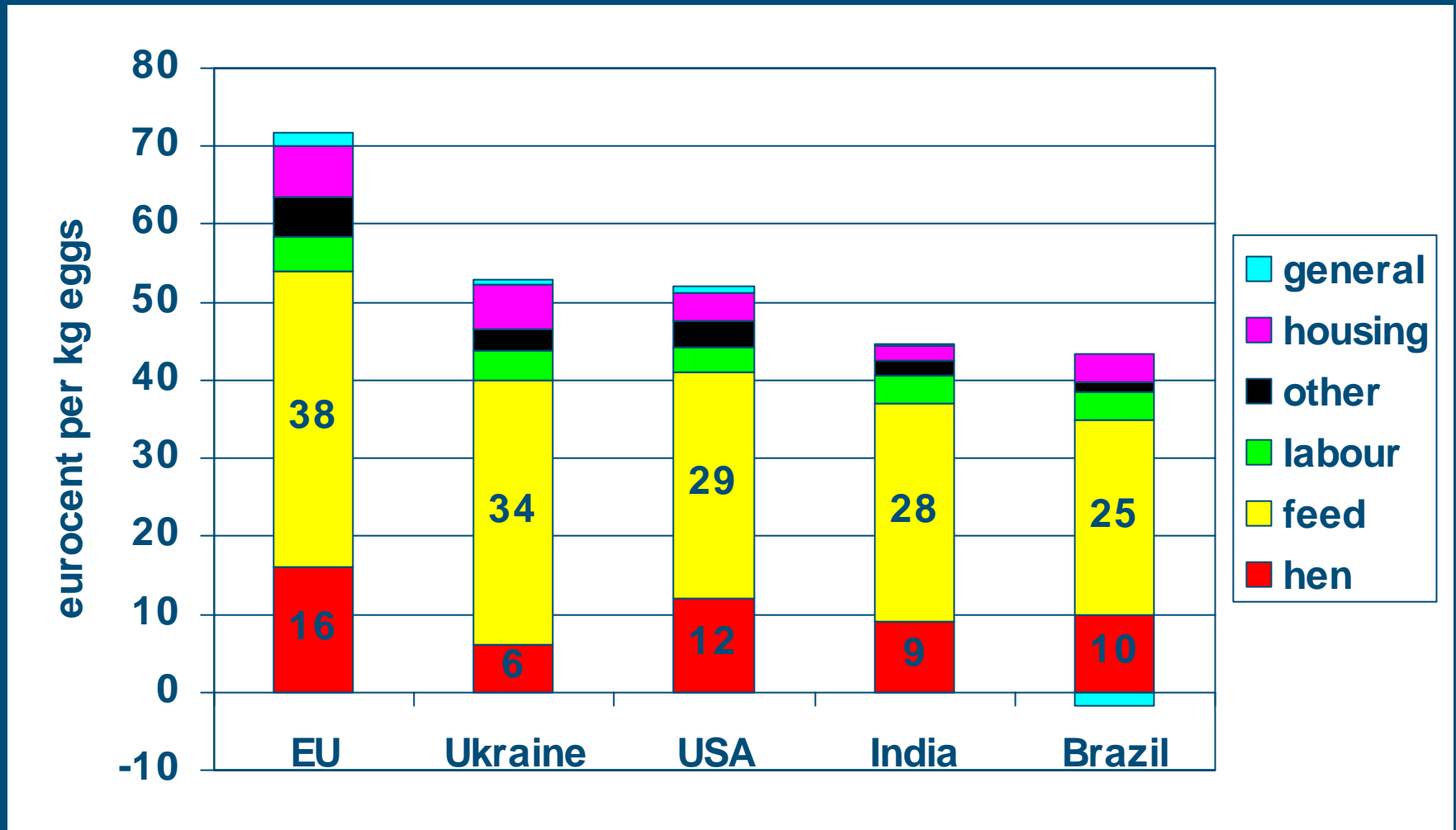
# Layer farming outside EU



- Open housing
- Cages
- Low cost systems

# Cost of primary production in 2003

data 2003, conventional cages, euro per kg eggs

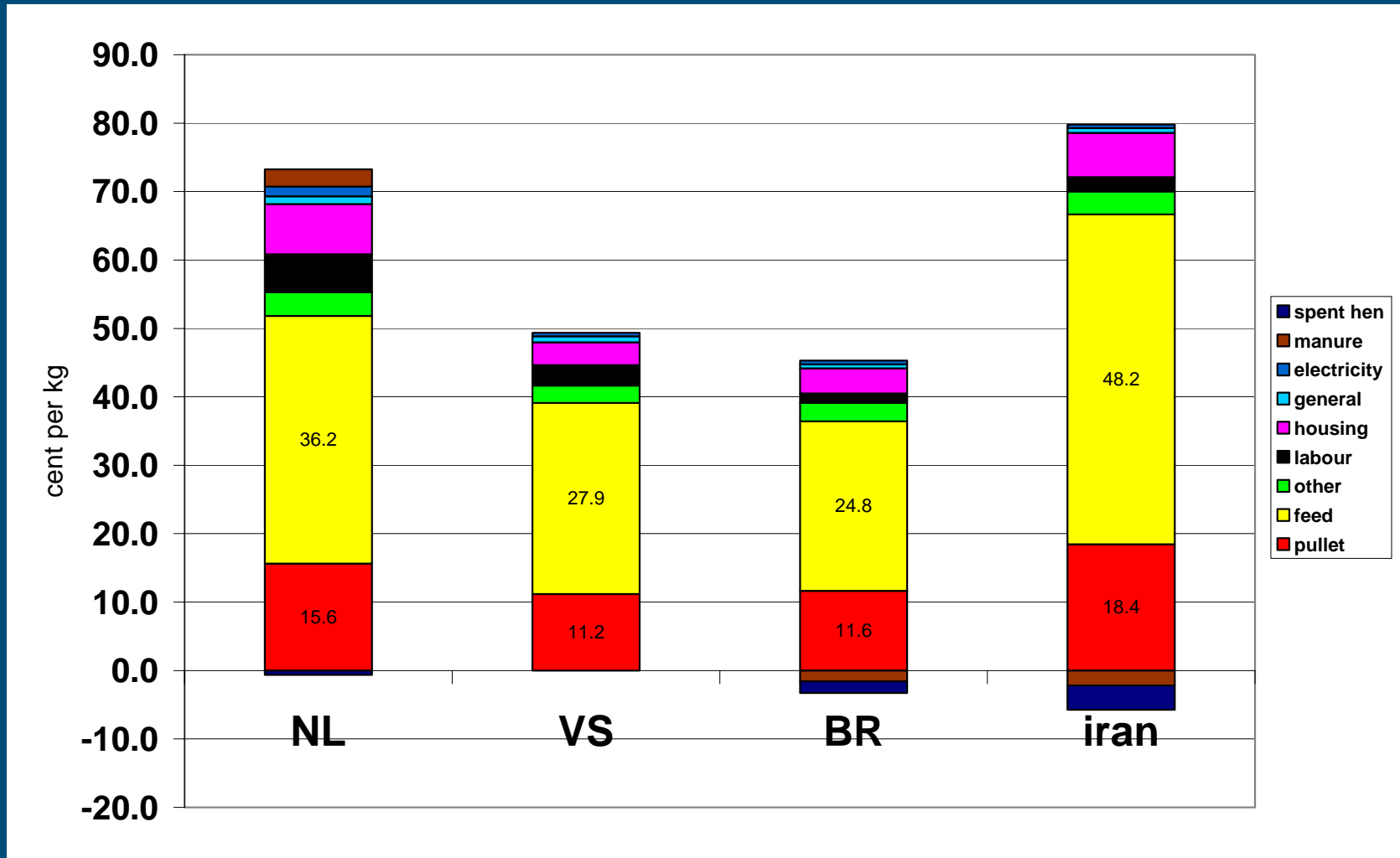


# Iran



- Estimate of production cost of eggs in IRAN

# Production cost of eggs 2004, including Iran



# Future ?



# Future

In EU extra rules for animal welfare, environment and foodsafety:

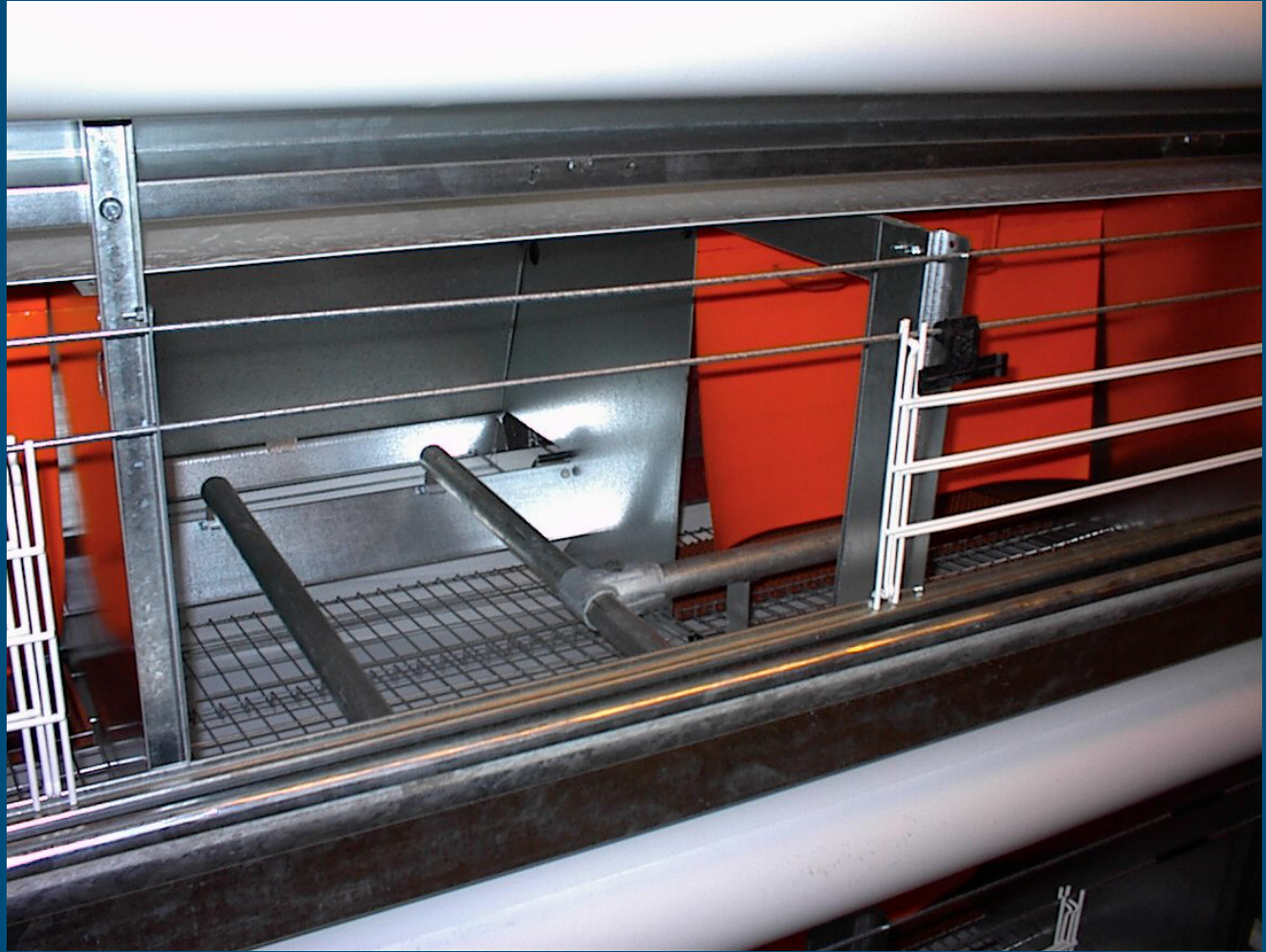
- Regulations in EU:

- Ban of Meat and bone meal
- Minimum surface 550 cm<sup>2</sup>

- Future Regulations:

- Ban on cages in 2012: enriched cages (750 cm<sup>2</sup>)
- Reduction of salmonella (2011)
- Reduction ammonia emission (2010)

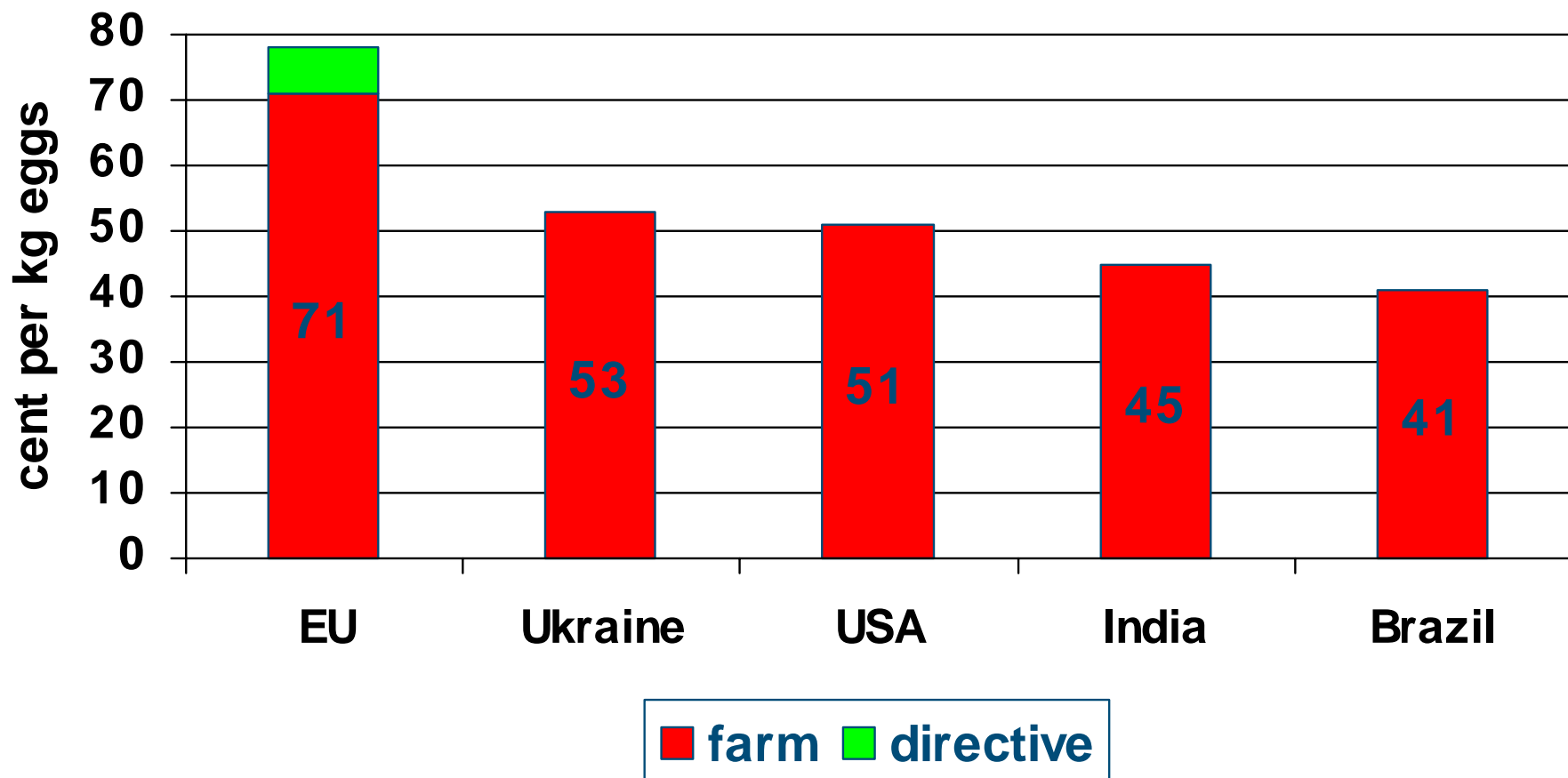
# Overview enriched cage (example)



# Discussion on non EU countries

- Housing in cages
- No governmental regulations on welfare
- Space allowance on farms:
  - Ukraine: 300 – 400 cm<sup>2</sup> per hen
  - India: 375 cm<sup>2</sup> per hen
  - Brazil: 330 – 430 cm<sup>2</sup> per hen
  - USA: voluntary program 430 cm<sup>2</sup> in 2008
- Economic optimum is 300 – 400 cm<sup>2</sup> per hen  
(Don Bell, van Horne)

# International comparison production cost 2012 (Euro/kg)



# WTO negotiations

- Doha round: no general agreement
- EU: stop export support by 2013 ?
- Import tariffs in EU ?

Great concern in EU poultry industry about future:

- Higher cost for standards consumer / society
- Lower import levies

# Thanks for your attention

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