

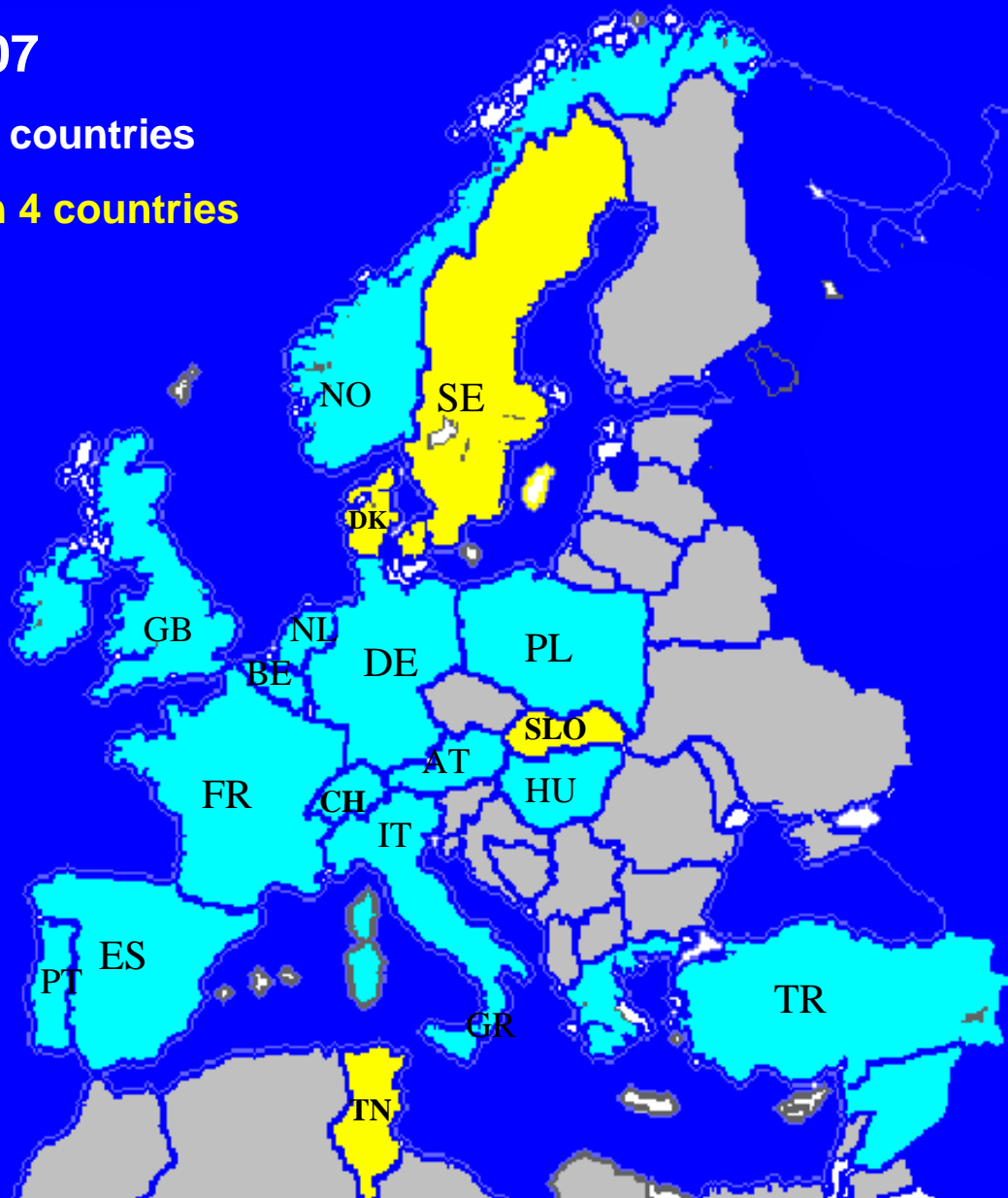


- **What is ESTAL ?**
 - Association for *E*uropean *S*urface *T*reatment on *A*luminium
 - 1971: EURAS
 - 1985: EUROCOAT
 - 1989: ESTAL: Umbrella organisation
 - 1997: One European organisation

ESTAL 2007

16 associations in 15 countries

6 associate members in 4 countries



Secretariat
in Zurich / CH



ESTAL 2007

- **1.1.2007 = 452 plants**
 - 162 anodisers
 - 201 coaters
 - 80 anodisers + coaters
 - 5 associate members
- approx. **15 000 employees**
- **Small & medium-sized enterprises**



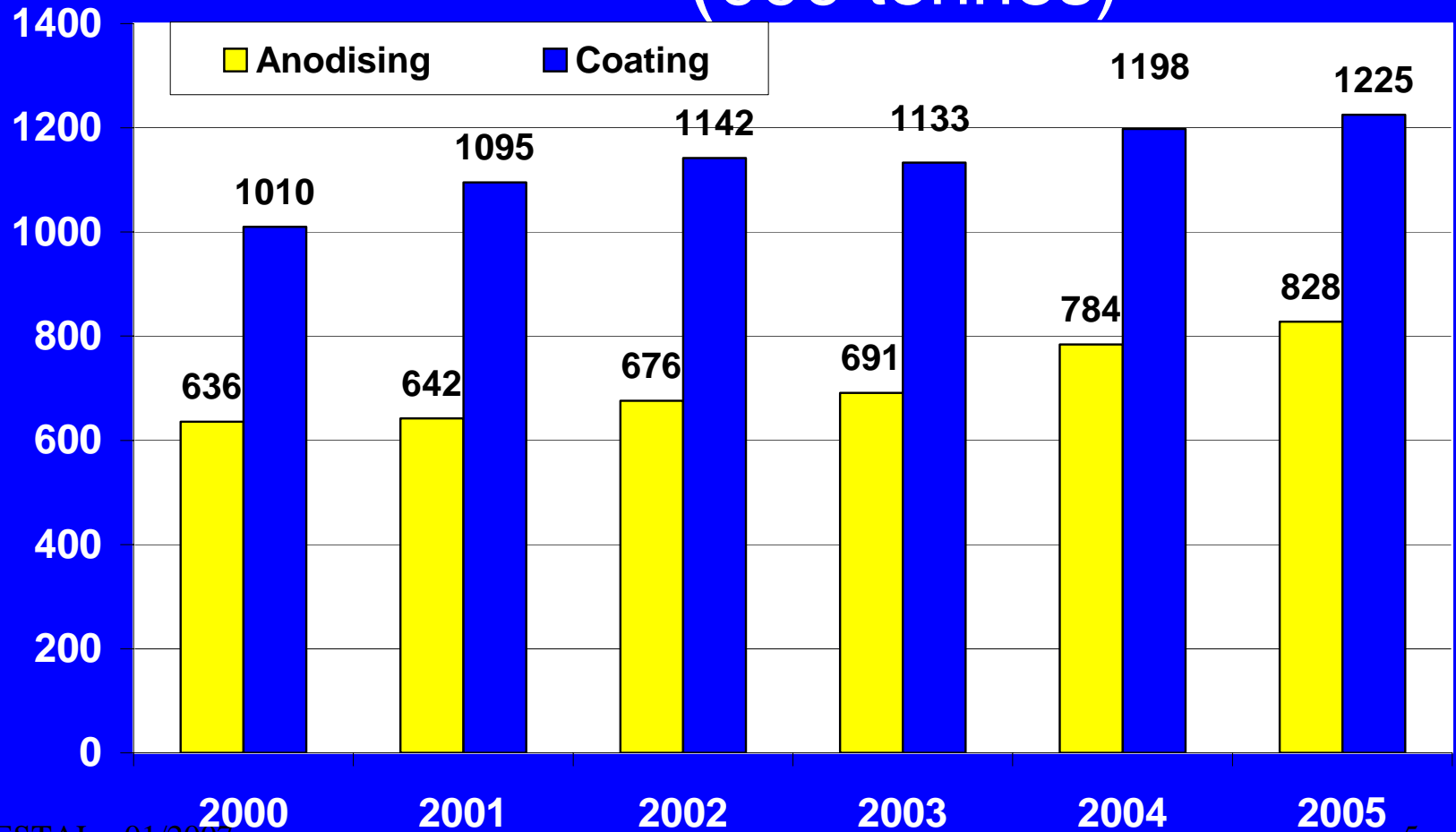
European aluminium surface treatment production (2005)

- **Anodised aluminium**
 - 279 mio m² - 828 000 tonnes
 - ESTAL anodisers \cong 67%
- **Coated aluminium**
 - 441 mio m² - 1.22 mio tonnes
 - **ESTAL coaters** \cong 64%.



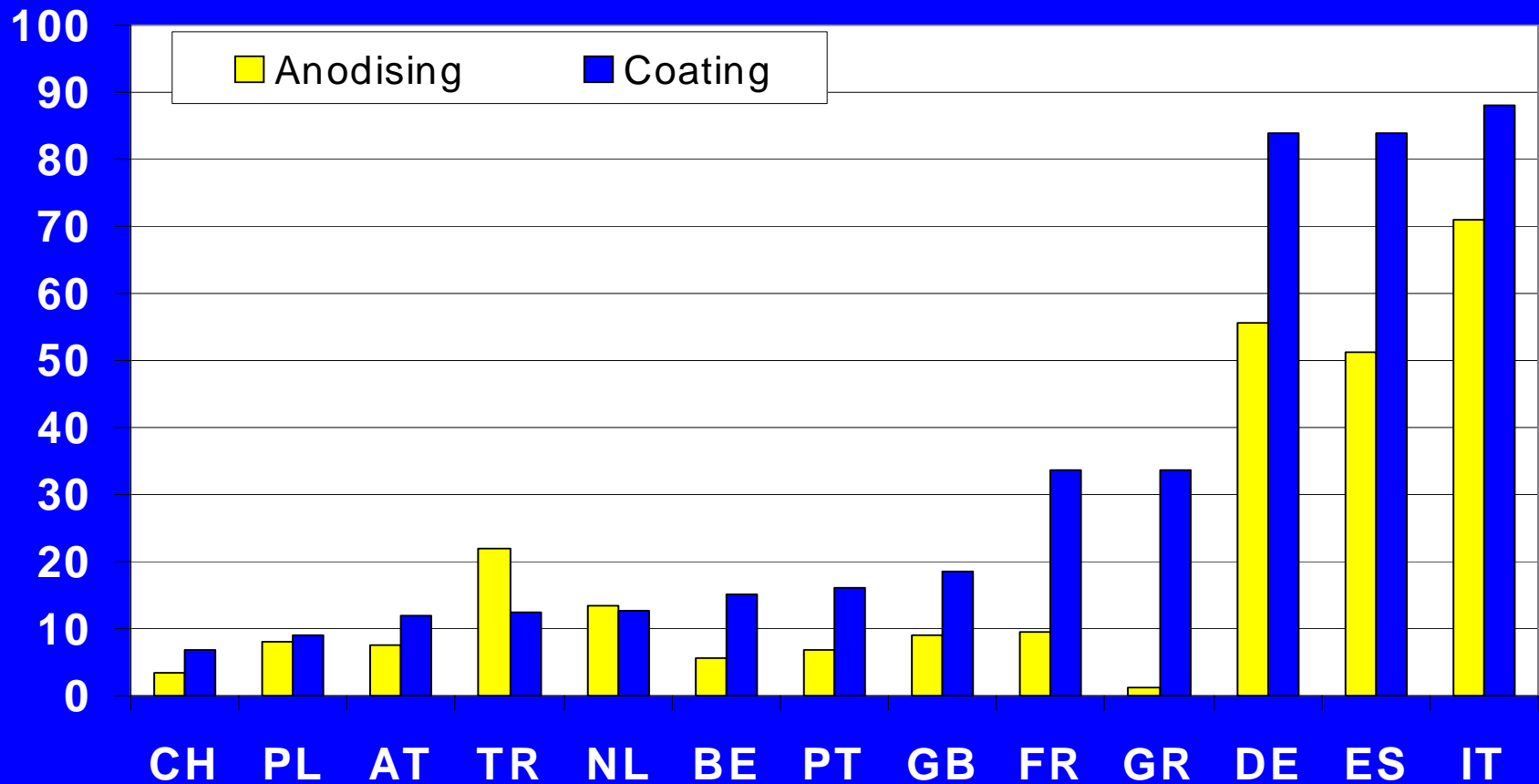
European aluminium surface treatment

(000 tonnes)



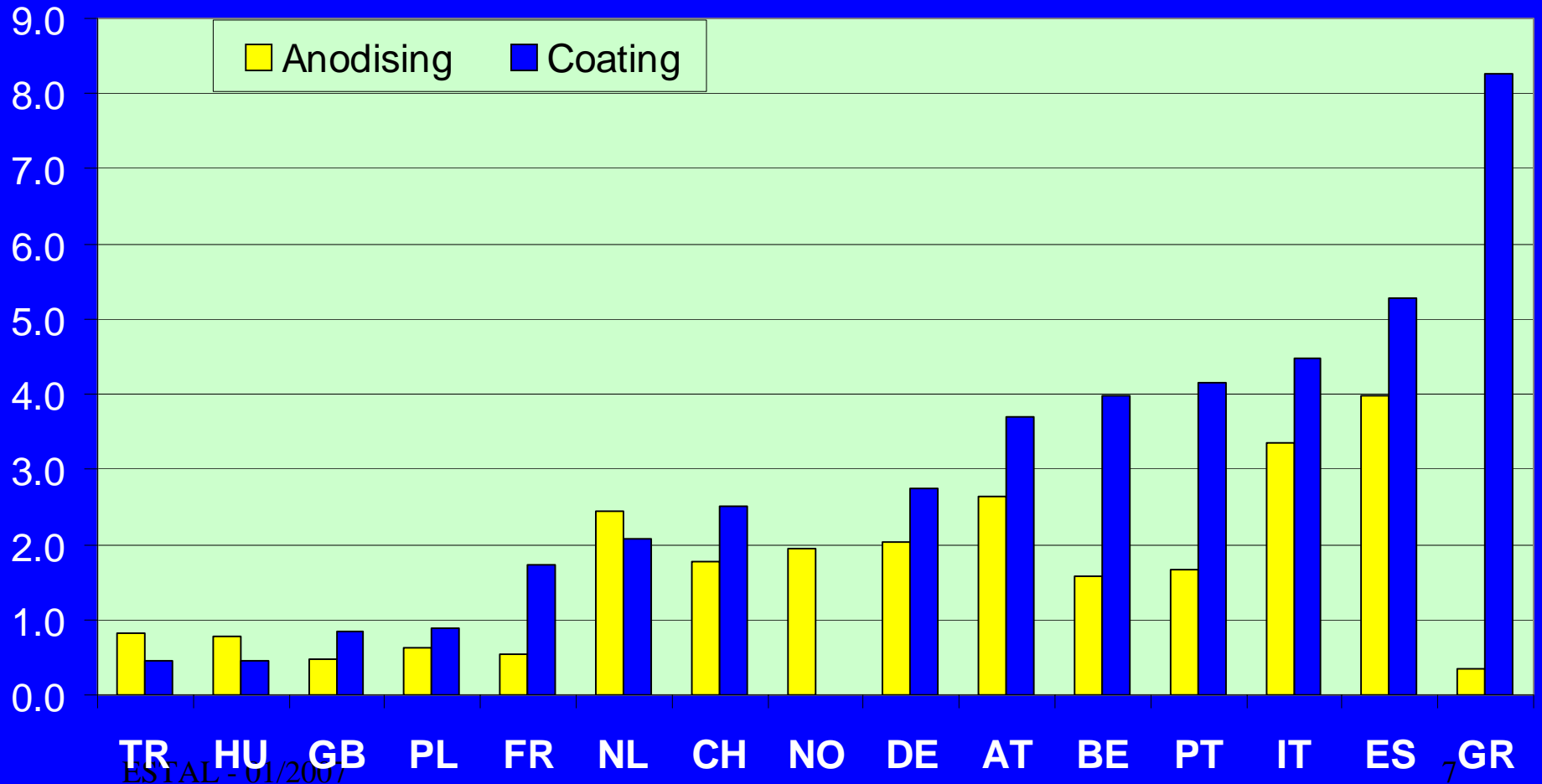


European Production per country 2005 (Mio m²)





Production 2005 per capita per country





Colours and applications

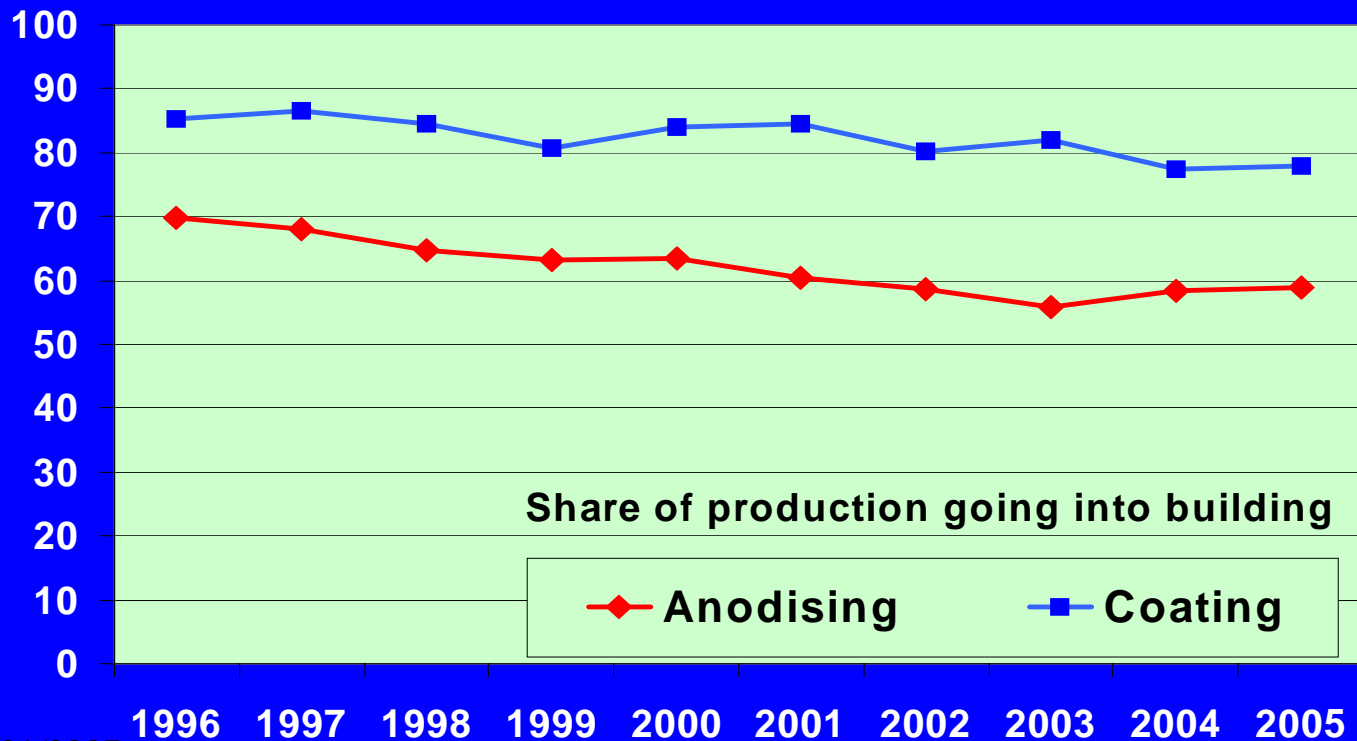
- **COLOURS**
- **Anodised aluminium**
 - 50- 80% anodised in colourless aluminium
 - Colours: high share of electrolytic colours
- **Coated aluminium**
 - Colour white 45- 60% of coating
 - Metallic coating 10-25%



Which applications ?

1. Building

- Anodising: 59% of production
- Coating: 78 % of production





2. Other applications

- **Automotive and transportation**
- **Aerospace**
- **Industrial products – Mechanical construction**
- **Electronic equipment**
- **Furniture**
- **Household appliances + decorative design**
- **Sports and leisure industry**
- **Packaging**
- **Jewelry and cosmetic packaging**

Quality label organisations

- 1974: EURAS (ESTAL)
+ EWAA (EAA)



- 2006: 154 licensees

Quality label organisations

- **1986:** National associations of coaters



- **2006:** 307 licensees
383 approved powders

ESTAL within the aluminium industry

