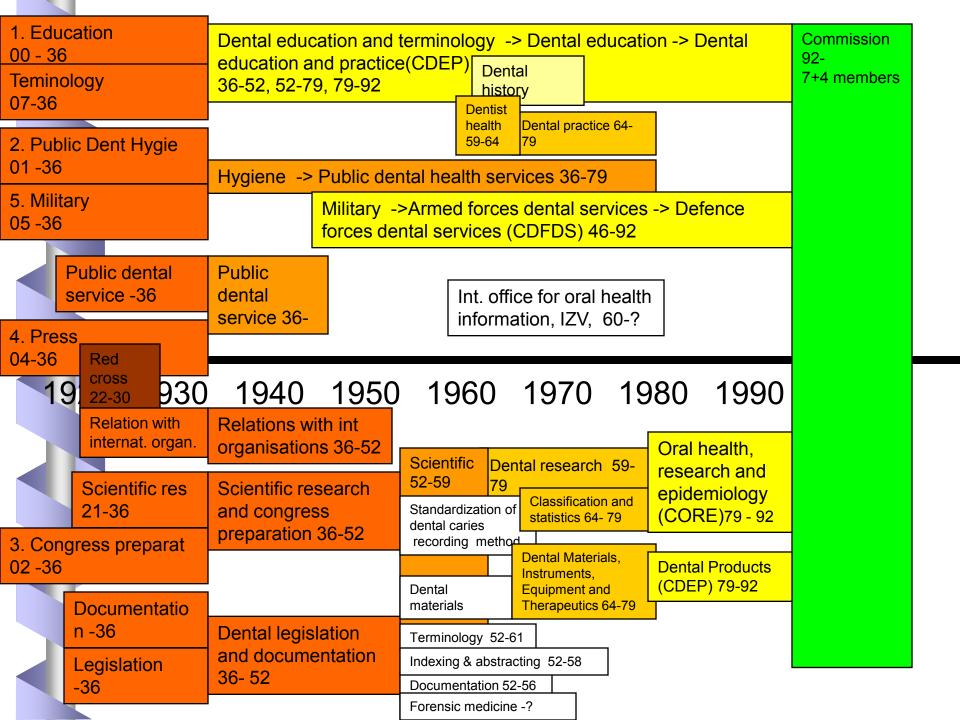
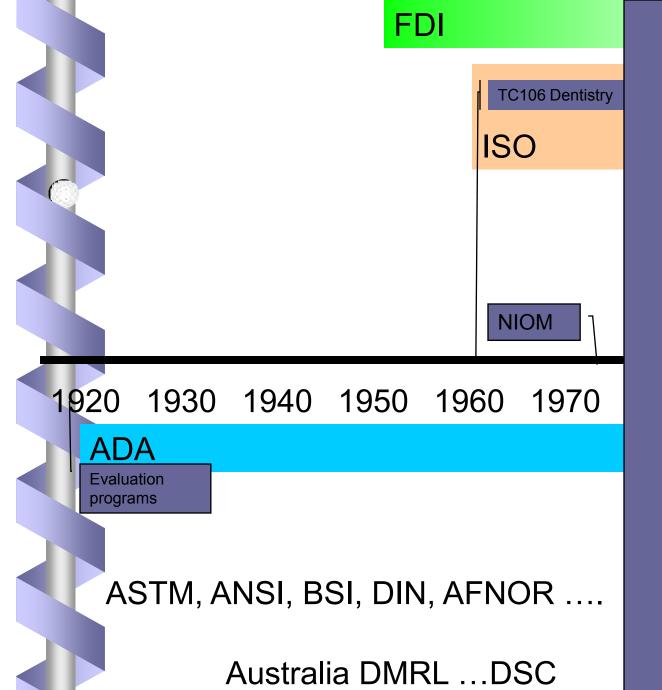
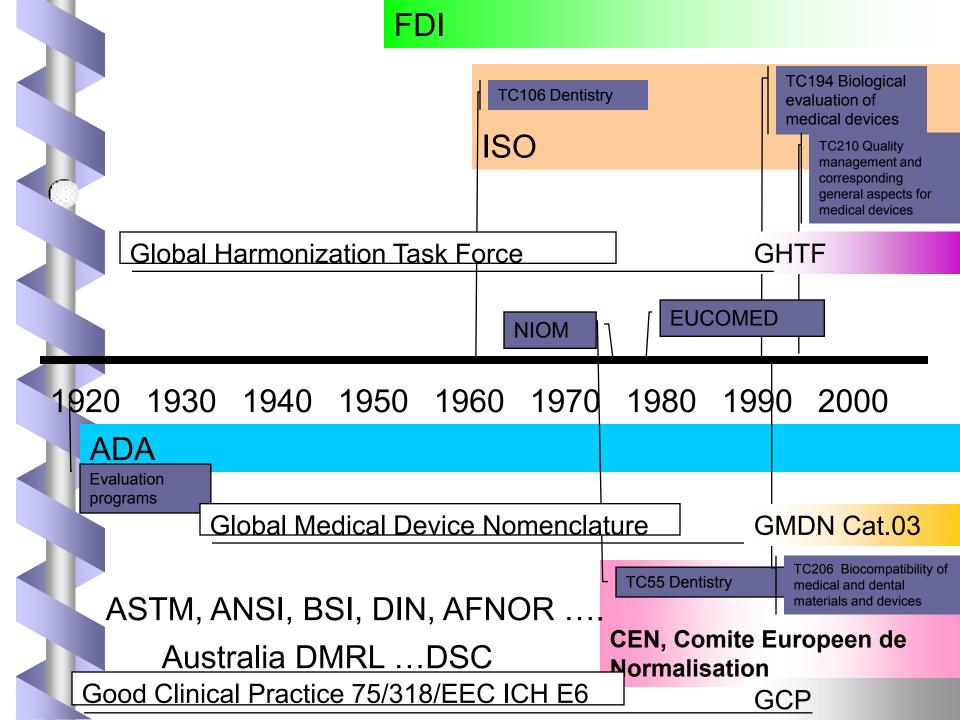
# Standard developments in Dentistry

Asbjørn Jokstad Science manager FDI









- 1919: Surgeon general request on assessment of amalgam
- 1942: Bureau of standards, Research commission
- 1955: Clinical testing of dental caries preventives. Report of a conference to develop uniform standards and procedures
- 1971: Cvar & Ryge, USPHS system
- 1972: Recommended standard practices for clinical evaluation of dental materials and devices. JADA 84:388-90.
- 1973: Guidelines for reporting clinical trials. JADA 87:557.
- 1977: ADA specification no. 27 for direct filling resins. JADA 94:1191-4
- 1978: Clinical evaluation of dental materials. USPHS Publ 1980.
- 1979: ANSI/ADA document no 41 for recommended standard practices for biological evaluation of dental materials



- 1981: Expansion of the acceptance program for dental materials, instruments and equipment: composite resin materials for occlusal class I and II restorations. JADA 102:349-50.
- 1986: ADA acceptance program for dentin adhesive materials and enamel and dentin adhesive materials. JADA 112:707-9
- 1989: Revised ADA guidelines for submission of composite resin materials for posterior restorations.
- 1991: Revised ADA guidelines for evaluation of dentin and enamel adhesive materials.
- 1994: Revised ADA guidelines for evaluation of dentin enamel adhesive materials.

CoC, Committee on commissio ns

1960 1965 1970 1975 1980 1985 1990 1995 2000

#### INCOGUDET

Commission on Dental Materials, Instruments, Equipment and Therapeutics 64-79 INCORPIT (Intercomm group on relations between the profession, trade and industry)

CDP, Commission on Dental Products 79-92

CORE, Commission on oral health, research and epidemiology 79-92

CDEP, Commission on Dental Education and Practice 79-92

CDFDS, Commission on Defence Forces Dental Services 79-92 **FDI Commission 92-**

Chairman (Mjör)

CDP chm (Woods)

**CORE chm (Moss)** 

CDEP chm (Allen)

Scient.progrm comm (Djukanovic)

IADR rep (Naylor)

Who repr (Barmes)

**Section of Defence** 



- 1967: Principal requirements for controlled clinical trials. (Recommended randomisation, adequate sample size and attrition loss). Int Dent J 17:93-103
- 1973: Ethical policy regarding the use of human subjects in clinical research. Int Dent J 23: 641
- 1974: Acceptance programs for dental materials and devices. Int Dent J 24:372-5
- 1975: Classification of epidemiological studies of dental caries and definitions of releted terms. (FDI Technical report no 3.) Int Dent J 25:79-87
- 1977: Recommended format for protocol for clinical research programs. Clinical comparison of several ant and post rest mat. Int Dent J 27:46-59
- 1977: Principal requirements for controlled clinical trials in periodontal diseases. (FDI Technical report no 4.) Int Dent J 27:62-76

#### FDI — Recommendations for trials

1980: Recommended standard practices for biological evaluation of dental materials. Int Dent J 30:140-8 (FDI Technical report no 9.)

1982: Principal requirements for controlled clinical trials of caries preventive agents and procedures. Int Dent J 32:293-308 (FDI Technical report no 1, 3. Edit.)

1982: Recommendations for clinical research protocols for dental materials. Int Dent J 32:403-23 (FDI Technical report)

1990: Good manufacturing practices, including quality assurance for dental materials Int Dent J 40:253-6

## ISO

- Nongovernmental
- National standardization bodies one from each country
- 70% of these are national standards bodies
- Several hundred technical committees
- - Mandatory
  - Voluntary

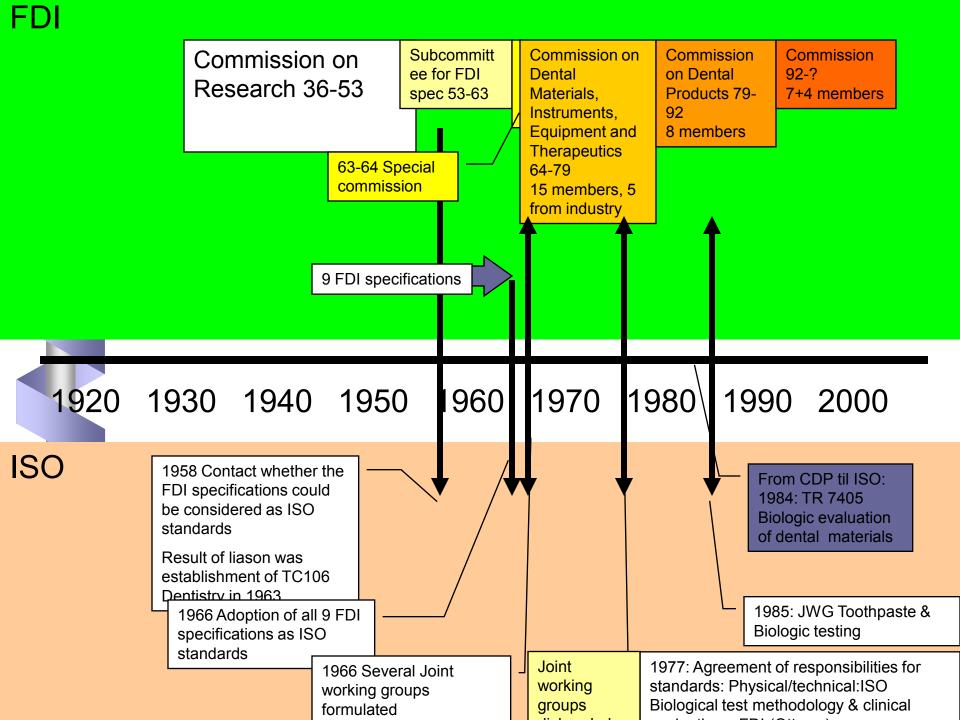
Standards governs availability of products

## ISO

- TC 106 Dentistry [1959]
- TC106/FDI joint WG toothpaste [1985]
  - TC106/FDI joint WG biological testing [1986]
- ₹ TC 194 Biological evaluation of medical and dental materials and devices [1988]
  - Biological evaluation of medical devices ISO 10993-1/-12

# ISO TC 106 Dentistry

- - 14 WG
- SC2 Prosthodontic materials
  - 20 WG
- SC3 Terminology
  - 4 WG
- SC4 Dental Instruments
  - 10 WG
- SC6 Dental Equipment
  - 8 WG
- - 4 WG
- - 5 WG



#### FDI - CDP

- - Mjör, Reich, Subramaniam, Harcourt, Krishnan, Weber
- ∂ WG 2,
- **NG3**,
- ∂ WG 4,
- ∂ WG 5
- WG 6 Status and informative reports (Mjör →PL Fan)
- WG 7 Prevention and dental protection during sports activity (Bogopolsky)
- WG 8 Emergencies in dental practice and revision of medical history forms (RG Woods)
  - Woods, Amerena, VanAmerongen, David, Duxbury, Franz, Petersen, Ratnanesan, Uji, Voss, Wagner

#### FDI - CDEP

- WG 1
- ର WG 2
- **N** WG 4
- *₀* WG 5
- **NG 6**
- WG 8 Impact of changing disease trends on dental education
- NG10 Delivery of oral health care to the elderly patient (Nordahl)
- WG12 Quality assurance → Commission project 93-6 (Olsen)
- NG13 Computerised diagnostic systems in dentistry (Matheis)
- WG15 Participatory continuing dental education (Caffesse) →
  Commission project 93-12 (DL Allen)
- WG16 Flexibility in the dental curriculum (Sanz)

## FDI - CORE

- WG 3 Promoting oral health: guidelines for Das (Cohen)
- WG 5 Oral health needs of the elderly (Ettinger)
- WG 6 Topical & systemic antimicrobial agents in periodontology
- **NG8**
- WG 9 Developmental defects of enamel index (DDE index) (Clarkson)
- WG11 Oral health in the handicapped (Rule)
- WG13 Evaluation of clinical trials of agents and procedures to prevent caries and periodontal disease (S Moss)
- Review of methods of identification of high caries risk patients (Hunter)

# FDI INCORPIT, Intercommission group on relations between the profession, trade and industry

- Good manufacturing practices, including quality assurance for dental materials. Int Dent J 1990; 40: 253-6
- ⊕ Guidelines for dental dealers. 1989

## FDI – Joint work groups

- - Barolet, David, Franz, Josefowicz, König, Ohashi, Pearson, Takac, Weaver
- - Lia, deMoraes, Meurman, Murphy, Pearson, Reese, Rodrigues, Martin, Tyas, Valdrigi
- JWG 5 –Effects on flying and diving of drugs (Rohweder)

- JWG11 WHO (PAHO): Establishment of criteria for classification of dental products and their importation and exportation in Latin America (D Del Rio)
  - Adler

- 2 JWG15 International collaboration for oral health research, ICOHR (Løe)

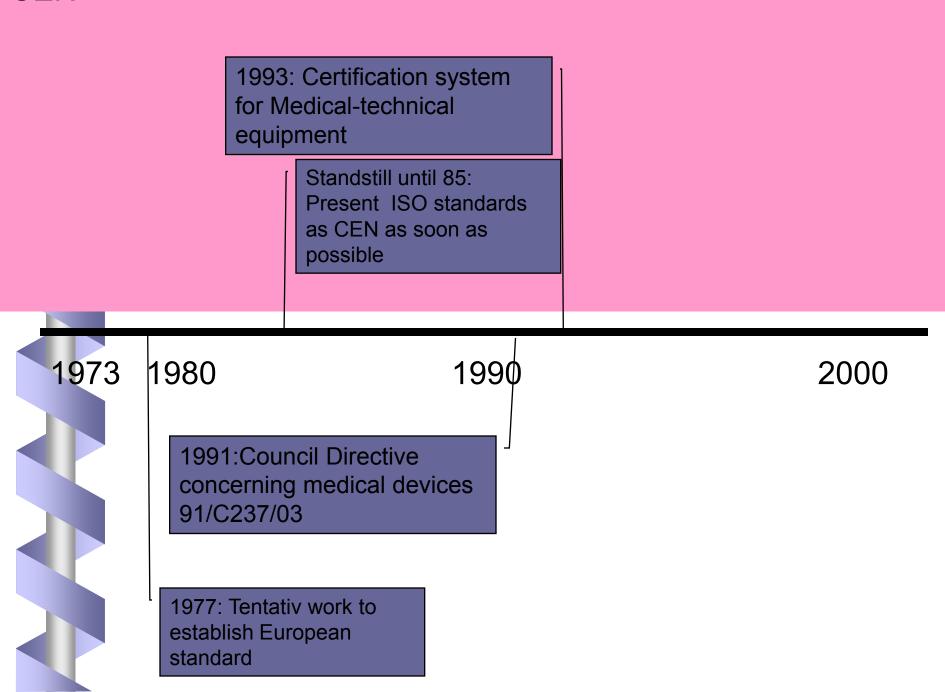
#### CEN

- ↑ TC55 Dental products
- ↑ TC205 Non-active medical devices
- ↑ TC206 Biocompatibility and biological safety of medical and dental materials and devices 1989

#### From 1988:

- Class 2: GMP + EN +test

#### **CEN**





- Sponsoring body, e.g. NDA or governmental agency
- Recognised standards for certification
- Testing laboratory for checking quality and products after acceptance
- Recognised standards for advertising and promoting products