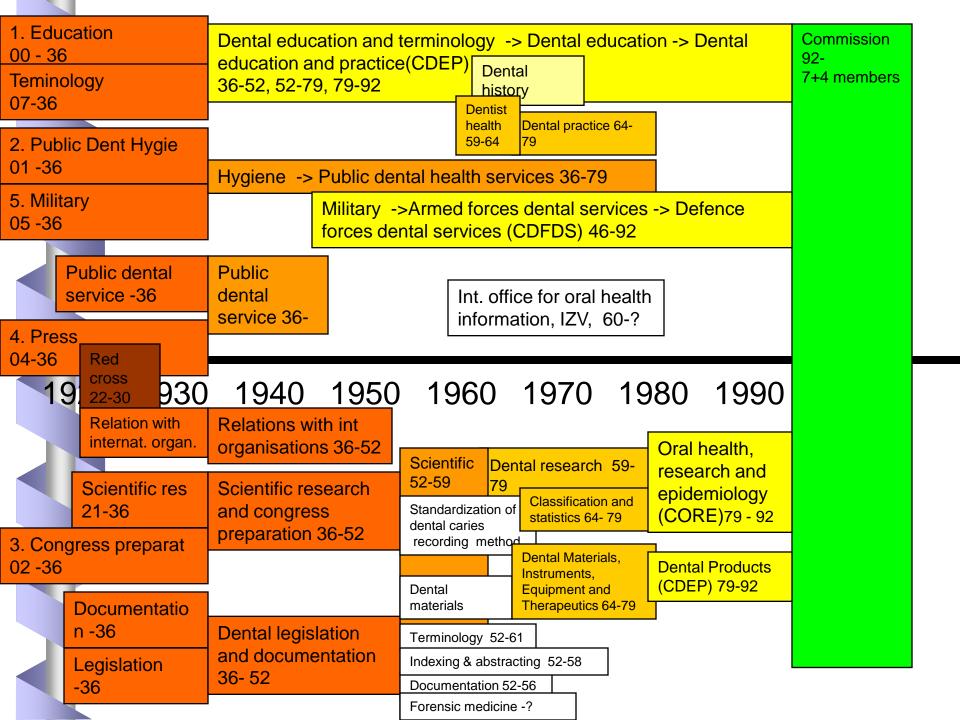
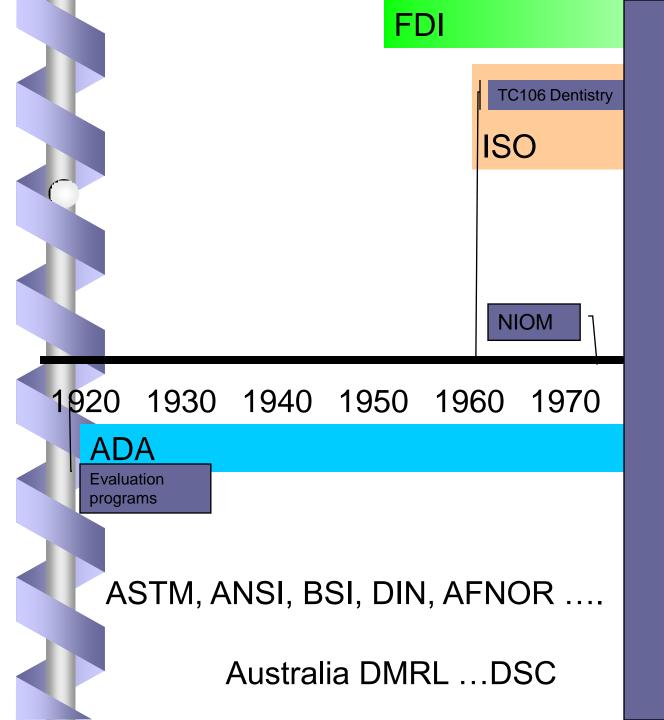
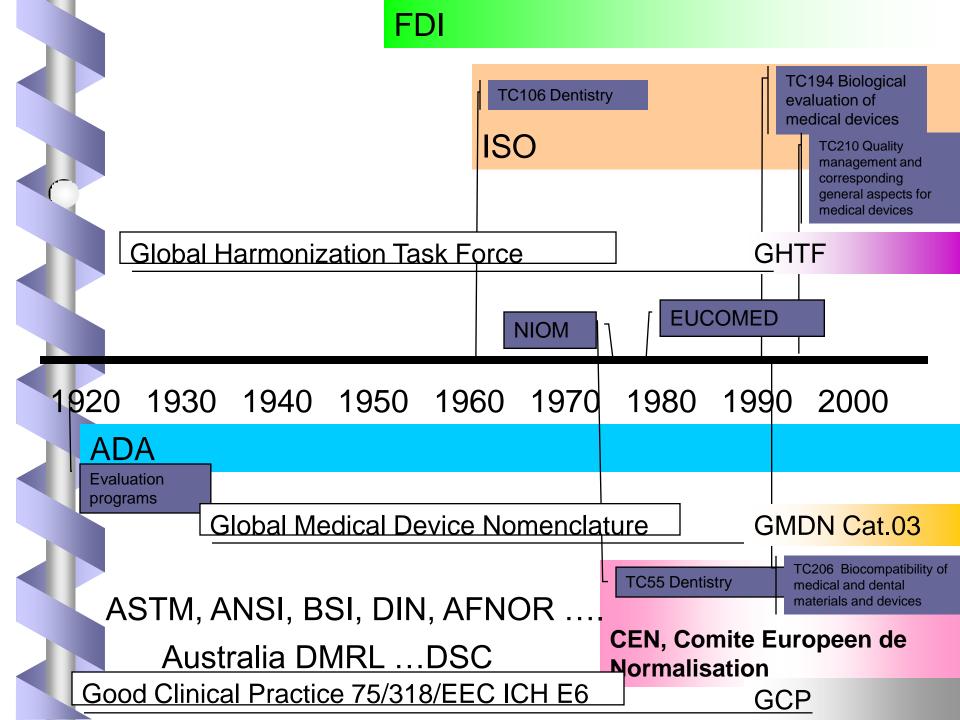
Standard developments in Dentistry

Asbjørn Jokstad Science manager FDI







ADA

- 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

1965 1970 1975 1980 1985 1990 1995 2000 1960

Commission on Dental Materials, Instruments,

Equipment and Therapeutics 64-79

INCOGUDET

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

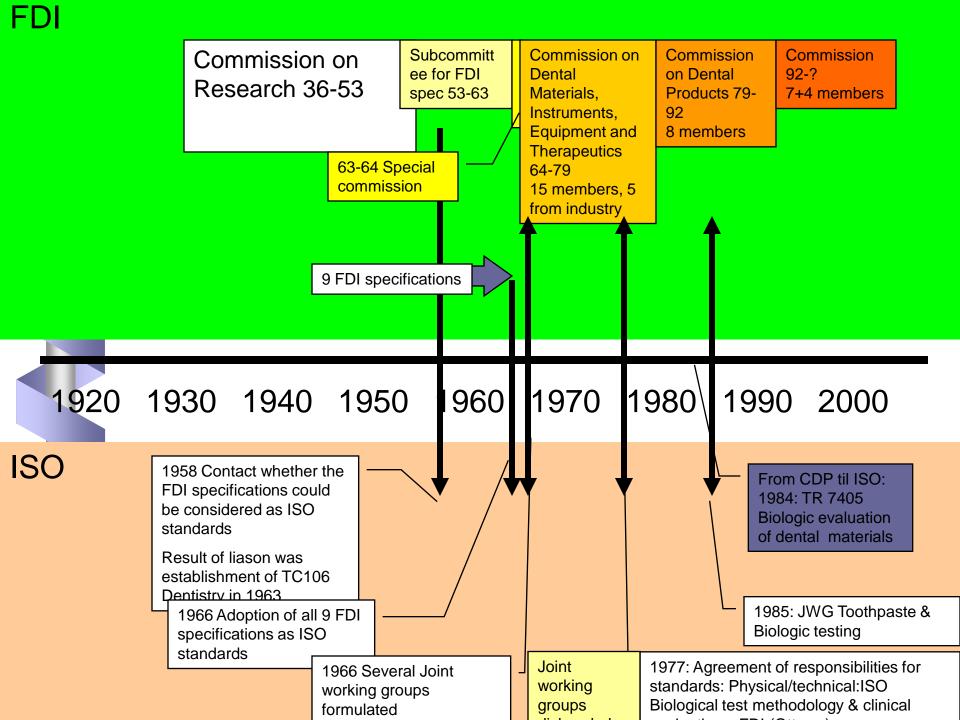
Standards governs availability of products

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,
- **NG 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
- WG 9 Multi-country clinical trials on materials performance (J Reese)

FDI - CDEP

- 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)
- WG13 Computerised diagnostic systems in dentistry (Matheis)
- WG14 Preregistration and postgraduate practice training (Stanley)
- 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
- € WG 8
- WG 9 Developmental defects of enamel index (DDE index) (Clarkson)

- WG12 Nutrition and oral health (Midda)
- 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 evaluation programmes for dental products. 1989
- Quidelines for dental dealers. 1989
- Guidelines for post-marketing surveillance and performance evaluation. 1989

FDI – Joint work groups

- - Barolet, David, Franz, Josefowicz, König, Ohashi, Pearson, Takac, Weaver
- √ JWG2 -TC106: Biological evaluation of dental materials (H Stanley)
 - Lia, deMoraes, Meurman, Murphy, Pearson, Reese, Rodrigues, Martin, Tyas, Valdrigi
- √ JWG 5 –Effects on flying and diving of drugs (Rohweder)
- ∂ JWG 9 Economic factors in delivery of services (Backer)
- JWG11 WHO (PAHO): Establishment of criteria for classification of dental products and their importation and exportation in Latin America (D Del Rio)
 - Adler
- JWG12 Monitoring oral health in adolescents (Carlson)

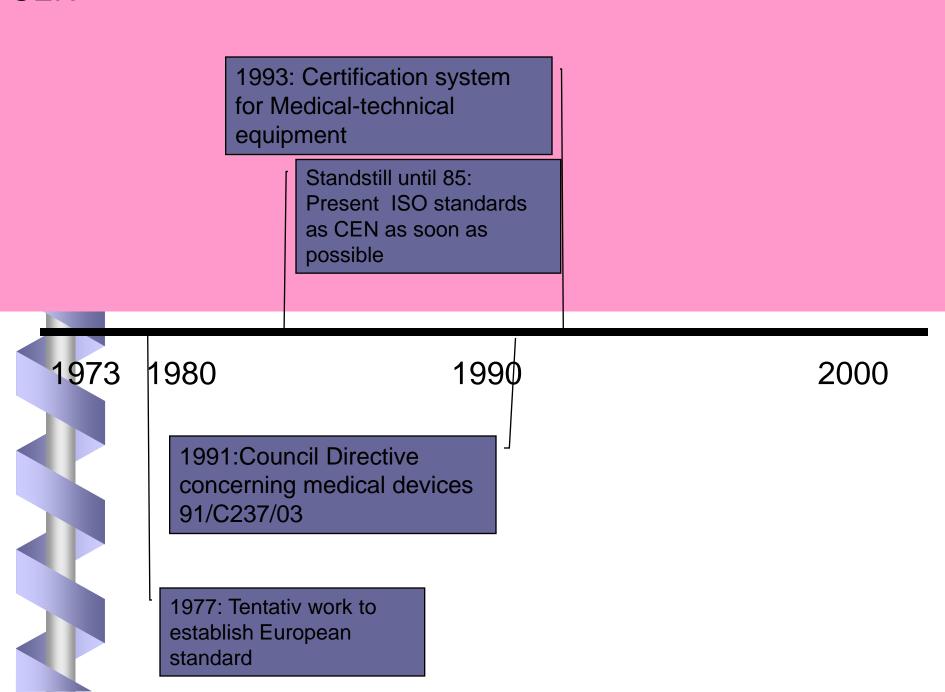
- 2 JWG15 International collaboration for oral health research, ICOHR (Løe)

CEN

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

From 1988:

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