



SNOMED CT – SDO - IHTSDO

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Denmark

Goals for European e-Healthcare



- Maintain sustainable health care for all
- Improve safety of healthcare delivery and reduce the number of errors
- Support secure authorised access to patients' relevant health documentation anytime, anywhere
- Support the mobile citizen in seeking high quality care throughout Europe – and the world

Report from the CEN/ISSS e-Health Standardisation
Focus Group Final version 2005-03-01

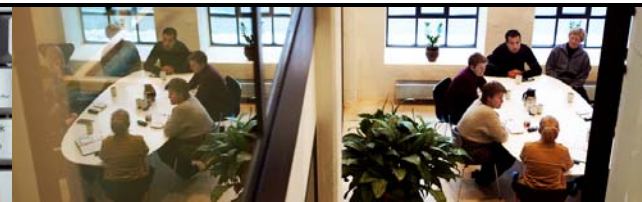


What do we need



Messaging to shared information...

- Reference model for EHR (CEN/ISO/HL7)
 - CEN 13606
 - HL7 RIM
- Shared reference terminology
 - Health Terminology (SNOMED CT)
 - Mappings to International & National classification (ICD, ICPC, ICF, NANDA, IUPAC, LOINC...)



Standards for EHR



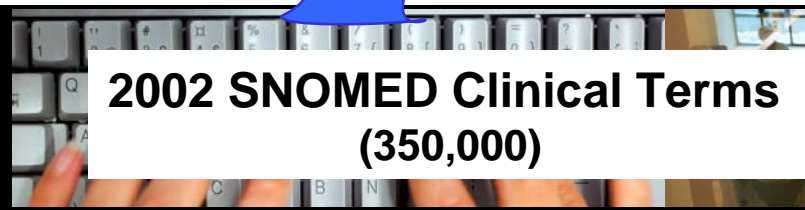
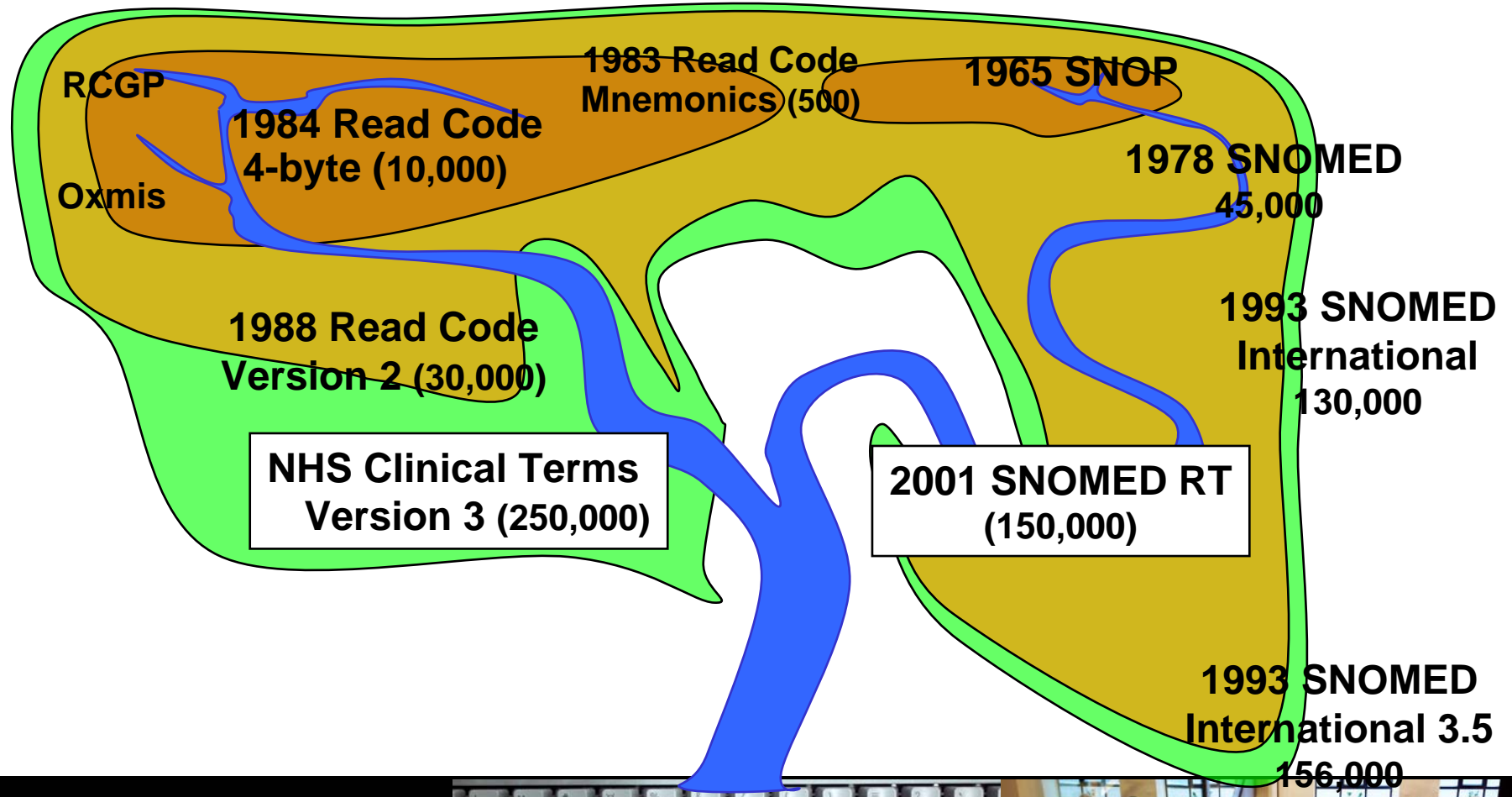
Clinical Terminology



Concept Model



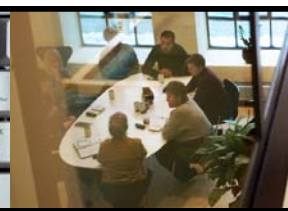
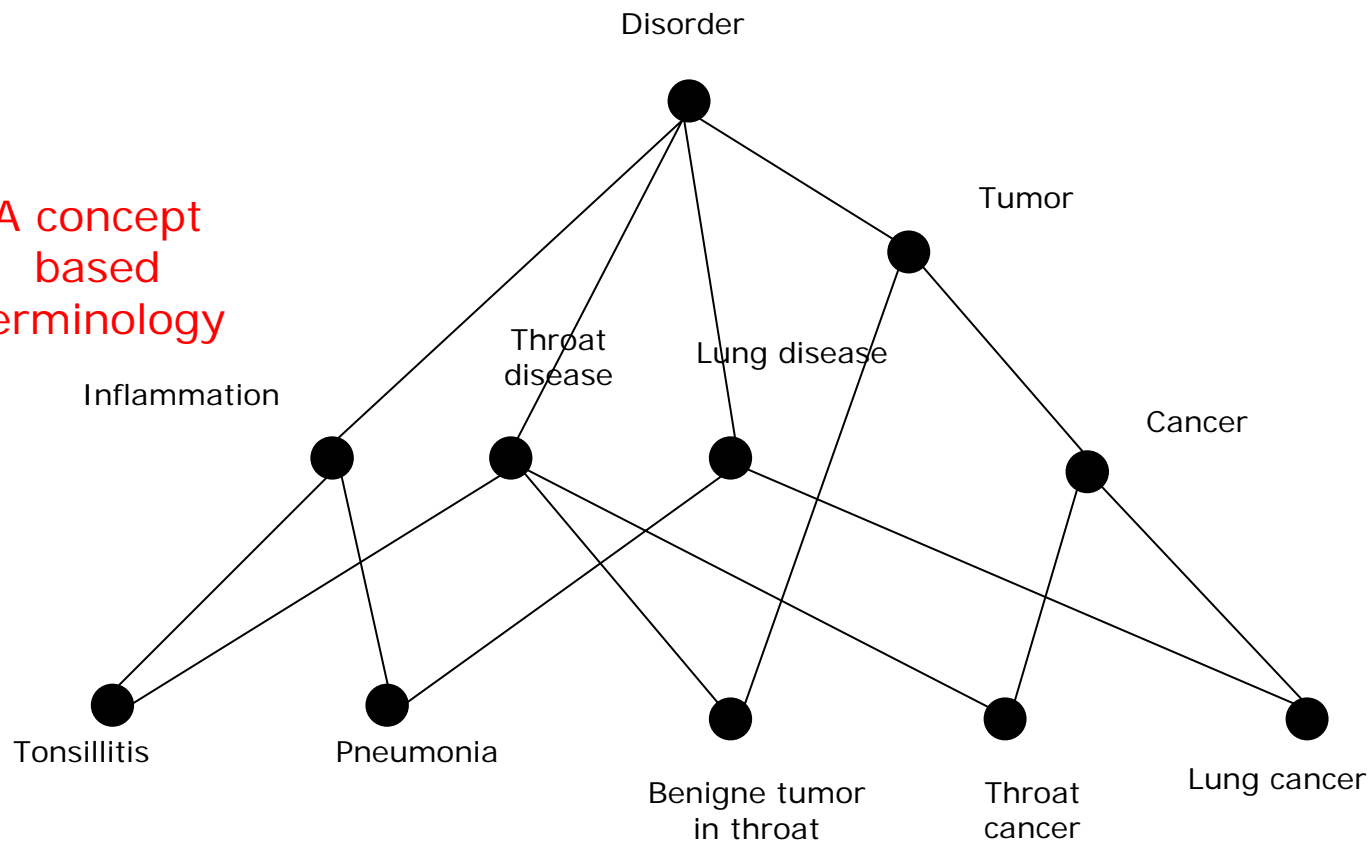
A quick journey from the sources of SNOMED CT

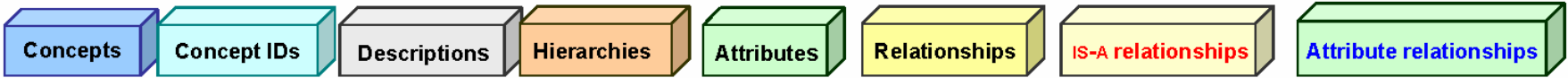


The architecture of a clinical terminology

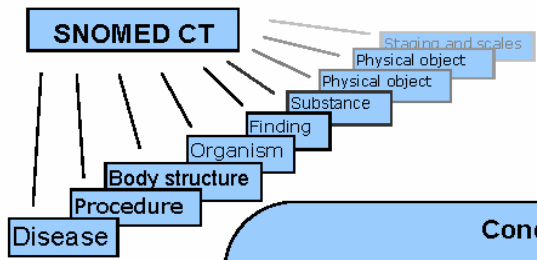


A concept based terminology





SNOMED CT[®] Components

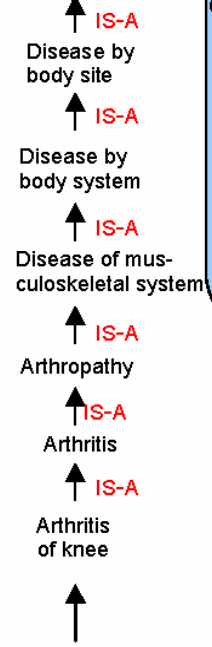


67814005	← Concept ID	← Fully specified name
807580015	Bronchopneumonia (disorder)	
112640014	Bronchopneumonia	
112644017	Bronchial pneumonia	
112642018	Lobular pneumonia	
112643011	Bronchopneumonia	
IS-A		Pneumonia
ASSOCIATED-		Inflammation
FINDING-SITE		Lung structure
FINDING-SITE		Bronchial structure

Concepts

Concepts are organized into these upper level

1. Finding	10. Physical object
2. Disease	11. Physical force
3. Procedure / intervention	12. Events
4. Observable entity	13. Environments / geographical locations
5. Body structure	14. Social context
6. Organism	15. Context-dependent categories
7. Substance	16. Staging and scales
8. Pharmaceutical/ biologic product	17. Attribute
9. Specimen	18. Qualifier value



Example of hierarchy of Is-a relationships

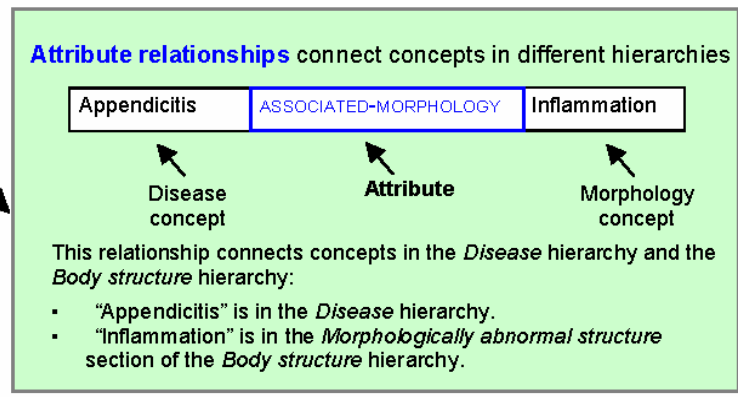
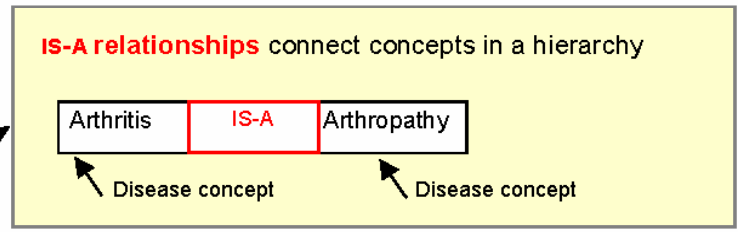
Relationships

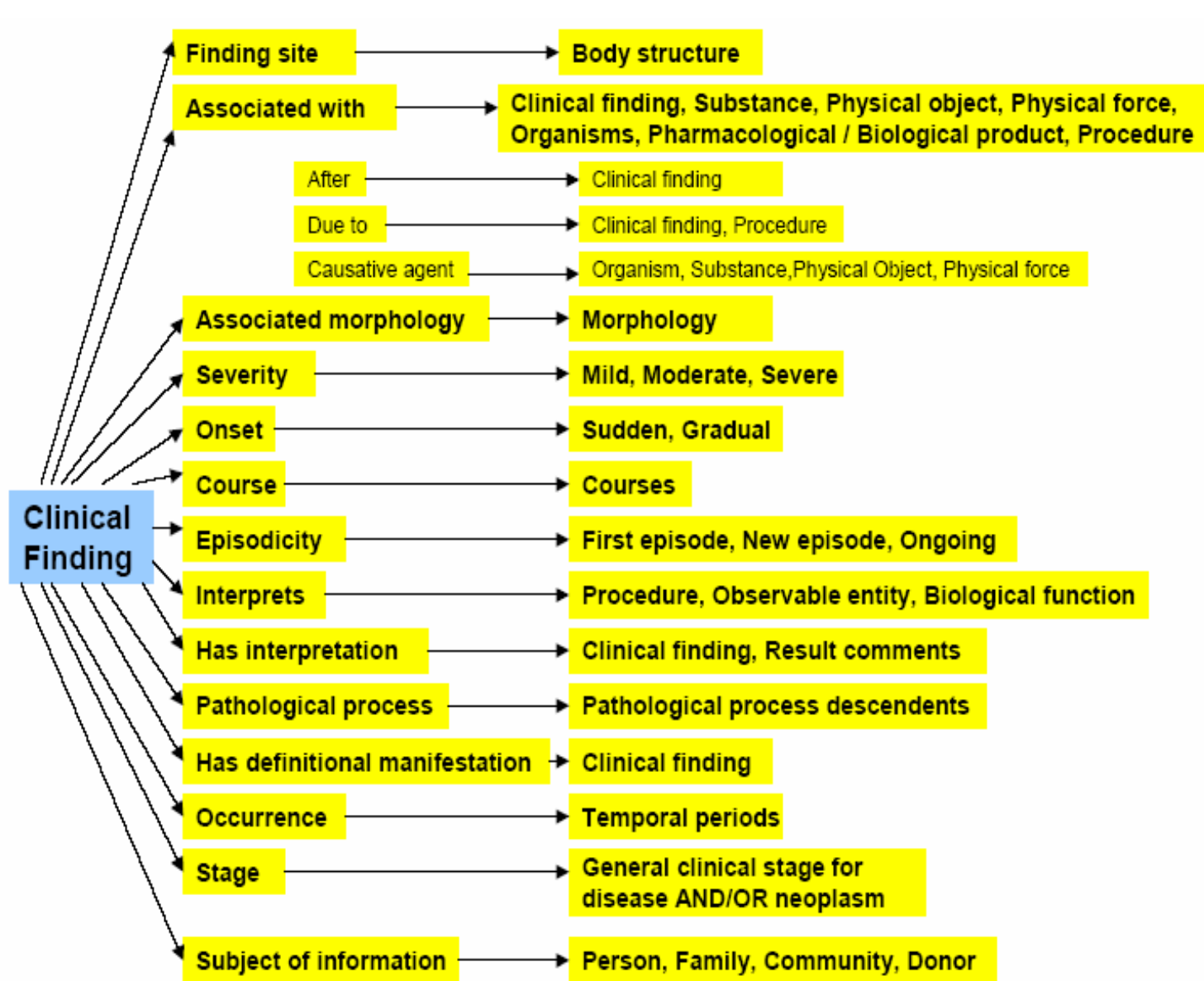
There are two types of relationships between SNOMED CT concepts:

- IS-A relationships** connect concepts in a single hierarchy.
- Attribute relationships** connect concepts in different hierarchies.

A few important SNOMED CT attributes:

- Finding site
- Procedure site
- Associated morphology
- Method





SNOMED CT



- license discussions with CAP for 2 years
- we did not agree – we wanted to have full control over our own terminology
- 2006 Denmark joined the NHS & CAP initiative to create a new world wide governance model



How will it be Governed and Managed



- Legal Entity will be a Danish Society
- 'Not for Profit' type organisation,
- Articles of Association which will be published and open
- Registered in Denmark in march 2007
- Inaugural GA in Copenhagen 9. March 2007
- Final contract with CAP in april 2007
- All IPR transferred to IHTSDO
- yearly budget of 8-10 Mill. US \$



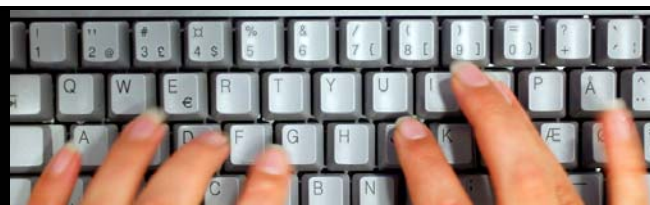
Who are the Charter Members for IHTSDO



- Australia
- Canada
- Denmark
- Lithuania
- New Zealand
- Netherlands
- Sweden
- United Kingdom
- United States

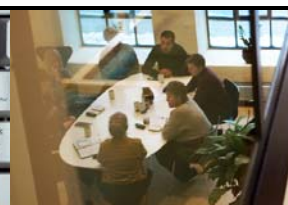
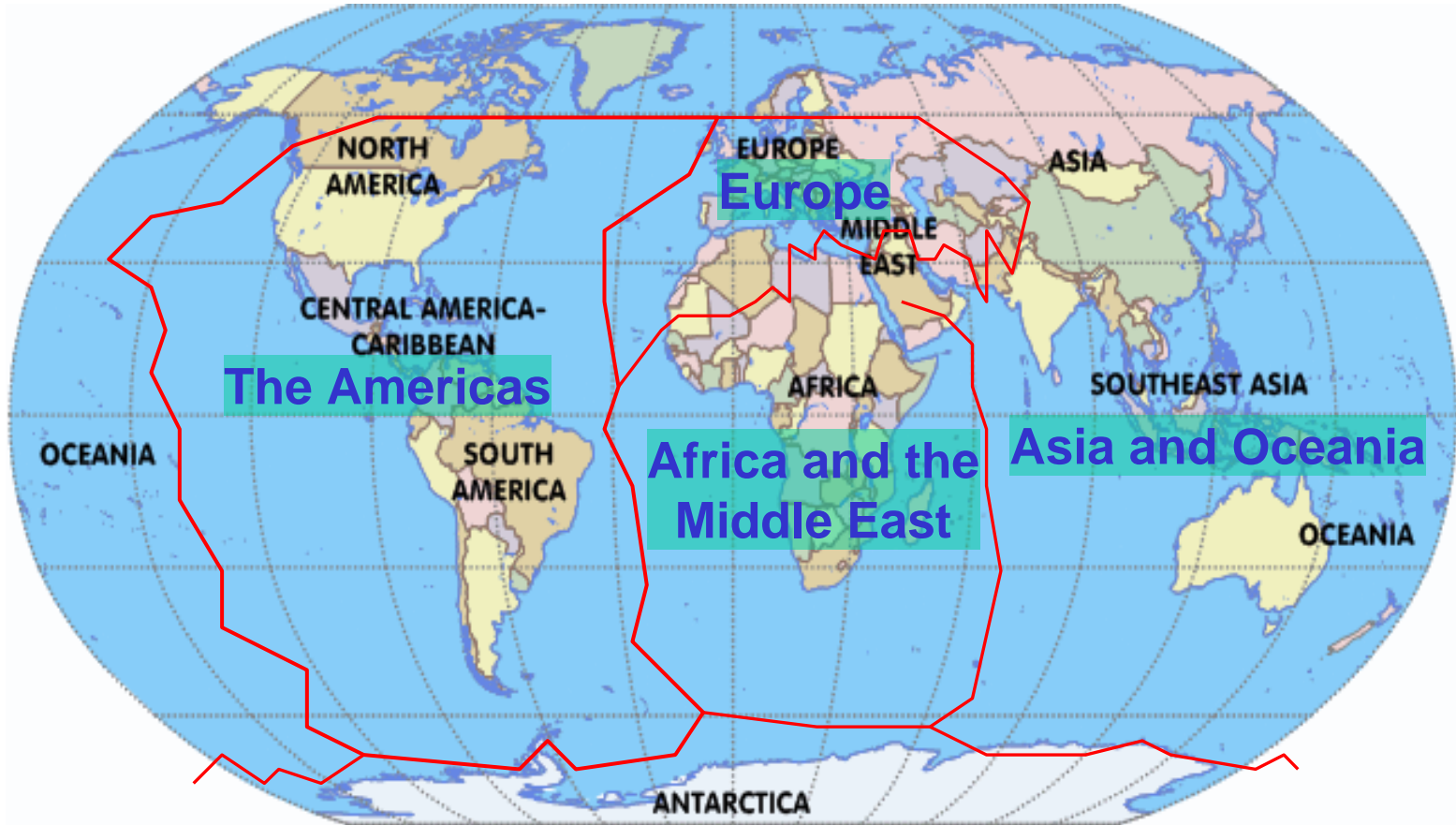


From GA, Copenhagen March 9th

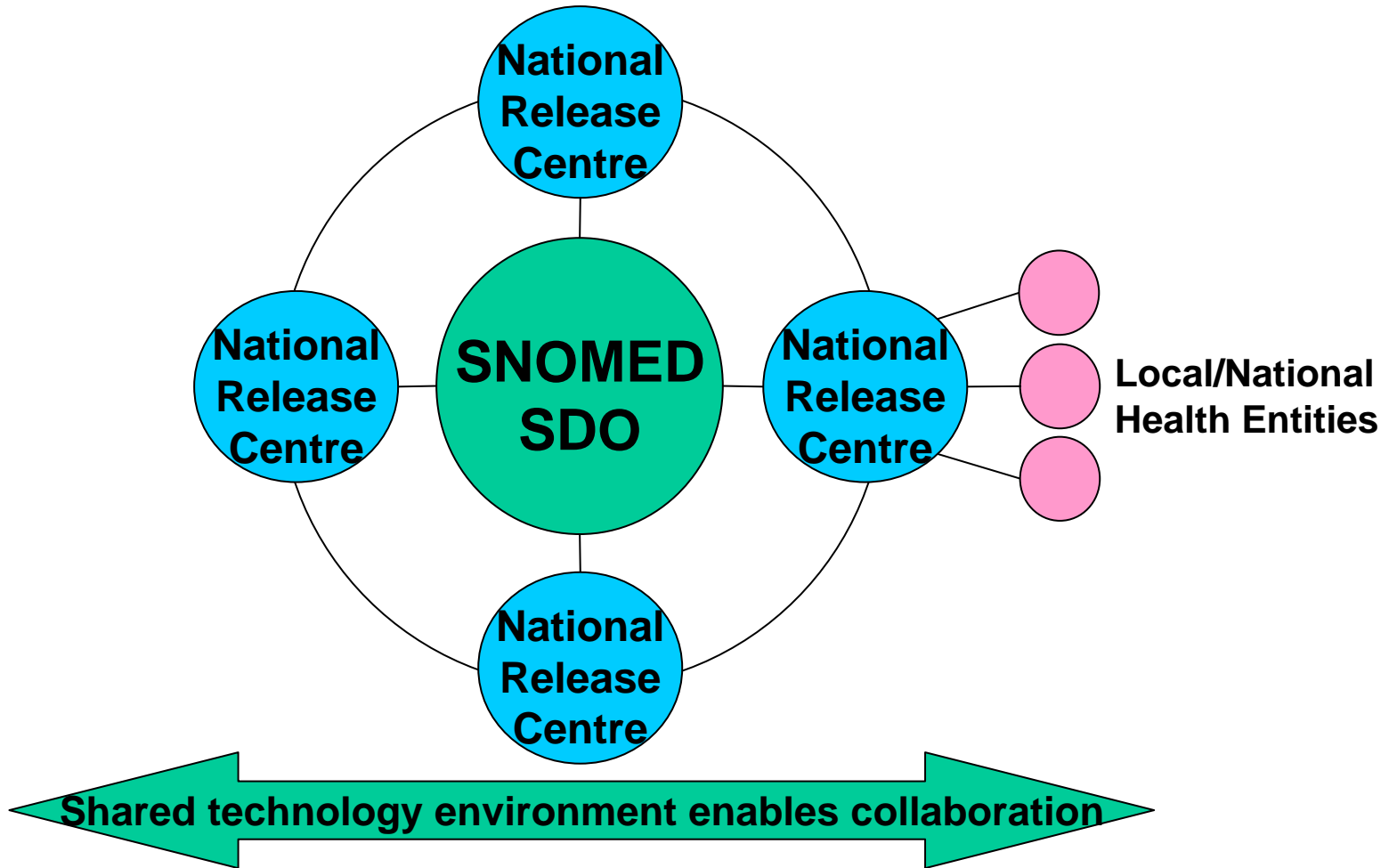


Global Membership

Global Outlook in the future



New SNOMED Enterprise Model



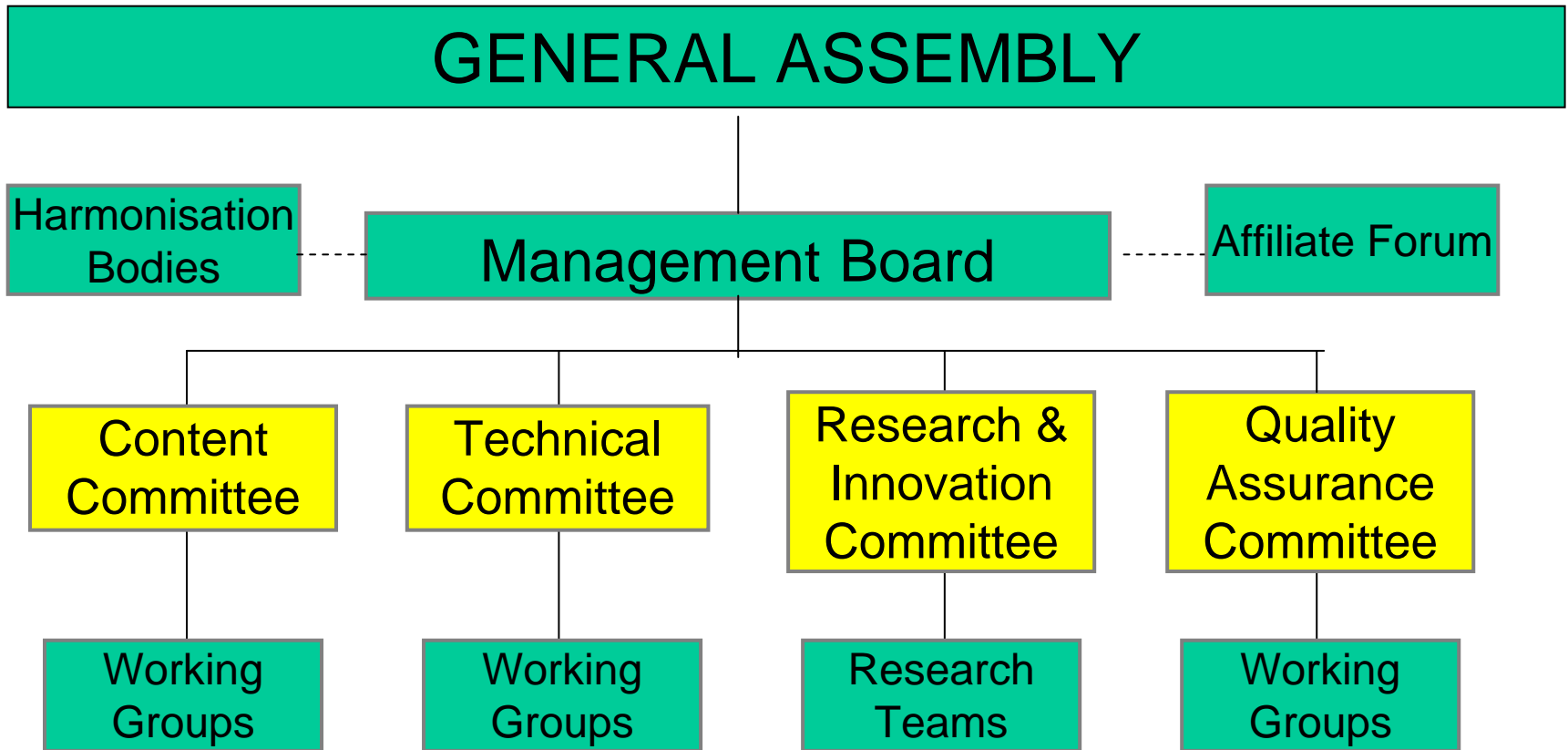
Membership and Licenses



- Member [Countries]
 - Governments or their responsible agencies
 - Free use within the memberstates
- Vendor License
 - Required in non-member states
- R&D License for free
 - Required in non-member states when SCT is required for R&D, etc
- Provision for sponsored use in developing nations



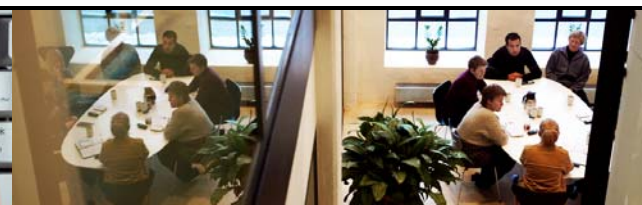
SNOMED SDO Structure



The Management Board



- Twelve members
- Charter Members have a seat until 2011
- Key decision making authority
- Committees will be chaired by a member of the Management Board:
 - Provides independent chairing (with expert support)
 - Ensures a link between Committee and Board structures



Harmonisation Bodies



- Strategic partnerships with other International Standard Development Organisations
- Organisational vehicle **Harmonisation Boards {HB}**
 - Part of relationship management of MB
 - Basis; openness, fairness and transparency
 - First HB planned in 2008 WHO [mapping to FIC]



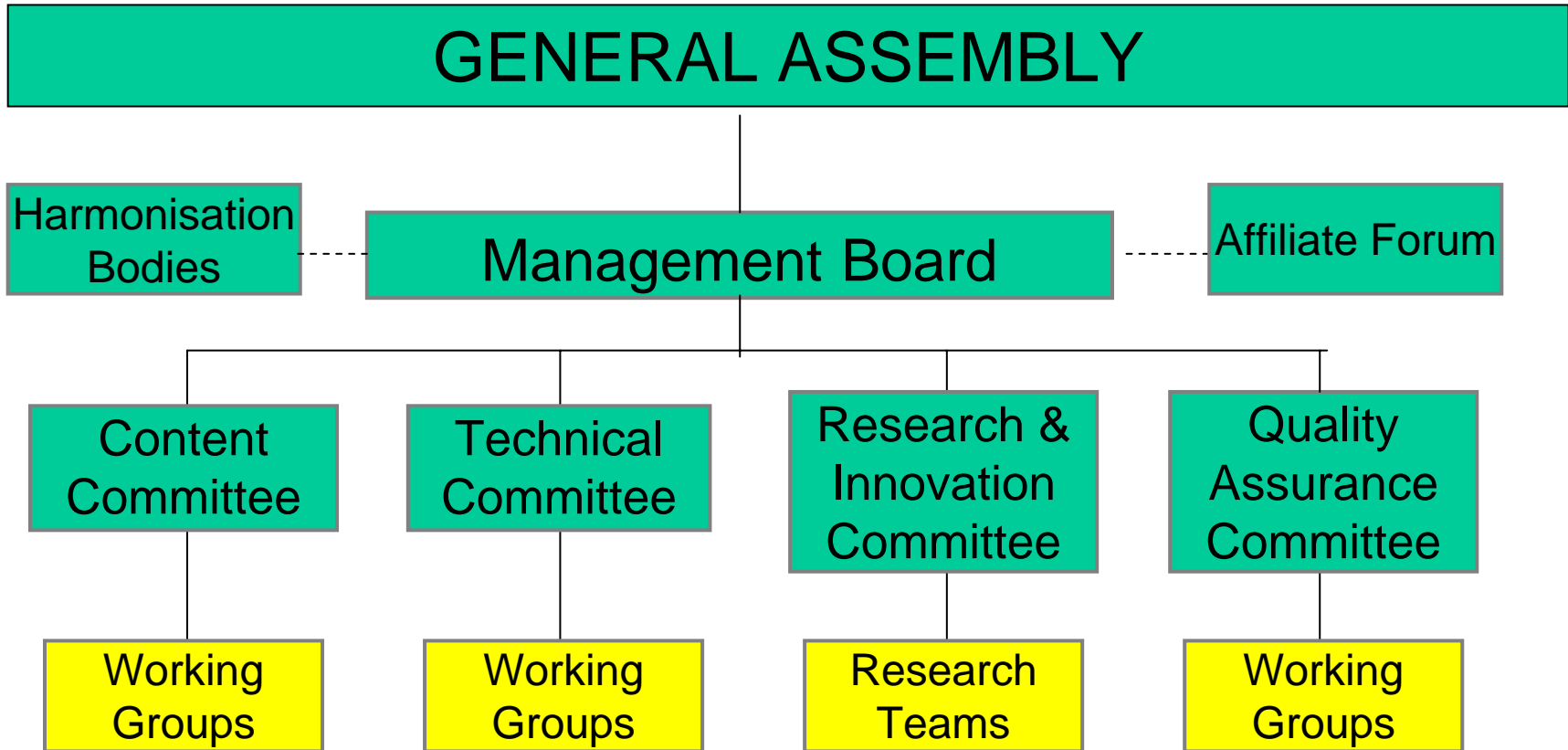
Standing Committees



CONTENT	QUALITY
Terminology Editors etc: Change request process, Mapping, Refsets and subsets, Content documentation, Content quality processes and conformance criteria	Advise on quality framework, Agree quality processes, conformance criteria, asses adherence [audit]; quality improvement processes, Quality documentation
RESEARCH & INNOVATION	TECHNICAL
Will necessary change over time; looks at 3-5 year horizon; links to forefront activity	Technical Infrastructure, SNOMED CT Tools, Concept model, Release Schema, Transformation Rules, Description logic, Technical documentation



SNOMED SDO Structure



INTERNATIONAL HEALTH TERMINOLOGY
STANDARDS DEVELOPMENT ORGANISATION

