COST I604
WG2 - Informatics Standards in Pathology
IHE Anatomic Pathology

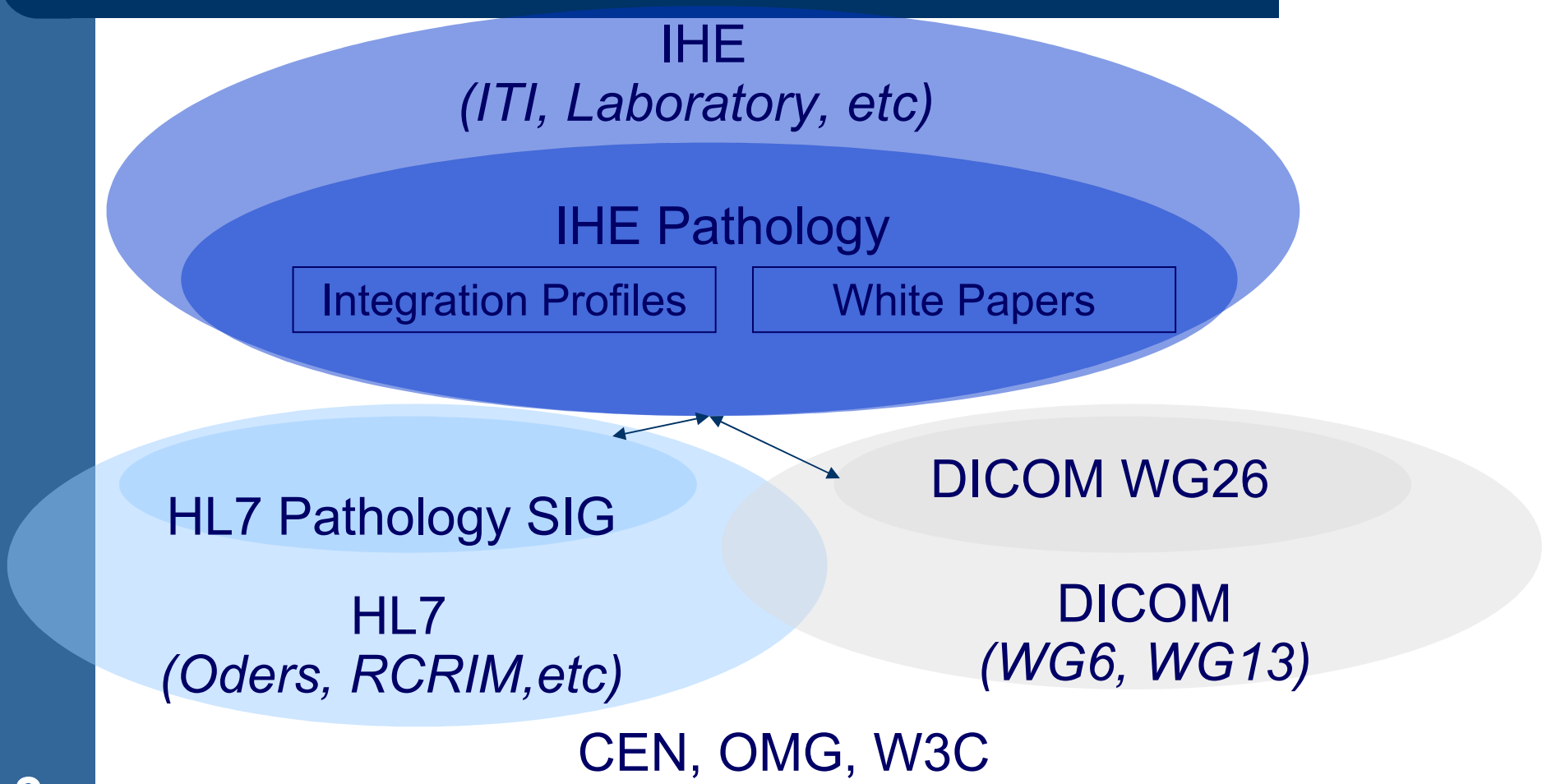
Dr Christel Daniel

Thursday October, 2nd

Agenda

- Review of recent tasks
- Working plan
- Conferences and workshops
- Training

Recent tasks



IHE anatomic pathology

- New co-chairs : M.Garica – T.Schrader
- IHE Anatomic Pathology : official domain
- Googlegroup : ihe-anatomic-pathology-committee@googlegroups.com

IHE anatomic pathology process

- New Users
  - France
    - ADICAP (Association for the Development of Informatics in Cytology and Pathology),
    - GMSIH (Groupement pour la Modernisation du Système d'Information Hospitalier)
      - François Macary (IHE Laboratory)
  - Spain
    - SEIS (Spanish Society of Health Informatics)
    - SEAP (Spanish Society of Pathology), SESCAM
  - Germany : La Charite
  - Italy
  - *US : CAP, CDC, NAACCR*

IHE anatomic pathology process

- New Vendors
  - Acquisition modalities: Tribvn/Aperio, Zeiss, VMScope, Hamamatsu, Aurora
  - LIS: Technidata, Infologic, Satec, Isoft, Nexus-Paschmann GMBH
  - PACS Vendors: Agfa, GE
  - EHR: Medasys

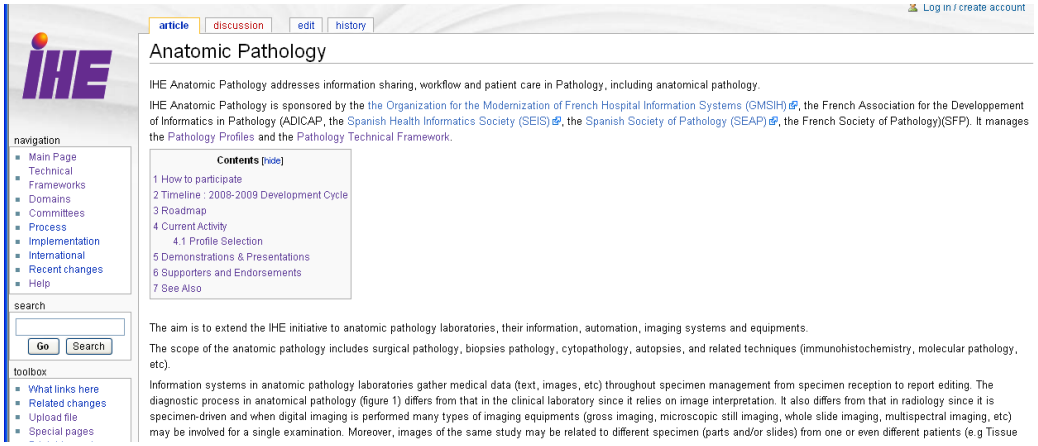
New paper accepted

Standards to Support Information Systems Integration in Anatomic Pathology (Arch Pathol Lab Med)

- Context: Integrating Anatomic Pathology information - text and images - into electronic healthcare records is a key challenge to enhance clinical information exchange between anatomic pathologists and clinicians. The aim of the Integrating the Healthcare Enterprise (IHE) international initiative is precisely to ensure interoperability of clinical information systems by using existing widespread industry standards such as Digital Imaging and Communication in Medicine (DICOM) and Health Level Seven (HL7).
- Objective & design: Using the methodology of the IHE (Integrating the Healthcare Enterprise) initiative, working groups from IHE, HL7 and DICOM, with special interest in Anatomic Pathology, defined consensual technical solutions to provide end-users with improved access to consistent information across multiple information systems.
- Results: The IHE Anatomic Pathology Technical Framework describes a first Integration Profile « Anatomic Pathology Workflow » dedicated to the diagnostic process including basic image acquisition and reporting solutions. This Integration Profile relies on ten transactions based on HL7 or DICOM standards. A common specimen model was defined to consistently identify and describe specimen in both HL7 and DICOM transactions.
- Conclusion: The IHE Anatomic Pathology working group has defined standard-based informatics transactions to support the basic diagnostic workflow in anatomic pathology laboratories. In further stages, the technical framework will be completed to manage whole slide images and semantically rich structured reports in the diagnostic workflow and to integrate systems used for patient care and those used for research activities (such as tissue bank databases or Tissue Micro Arrayers).

Wiki – FTP site

- Road map & Brief proposals
  - http://wiki.ihe.net/index.php?title=Anatomic_Pathol
- Change proposals
  - ftp://ftp.ihe.net/AnatomicPathology/CPs/



IHE Anatomic Pathology TF

- 2008-09 cycle (January-April connectathons)
  - Anatomic Pathology Workflow (APW)
    - Specific integration profile addressed by the
    - For trial implementation
  - 12 change proposals completed
- 2009-10 cycle : 5 brief proposals
  - Cancer Registry Pathology Report (CDC, NAACCR)
  - Anatomic Pathology Structured Reports (White paper)
  - Anatomic Pathology Value Sets (Sharing Value Set Integration Profile (ITI))
  - Integrating automatons (with LAB)
  - Inter-departments workflow (with LAB)

Other standardization domains

- ISO-CEN-HL7 Joint Initiative for SDO Harmonization (B.Blobel)
- DICOM WG26 (J.Klossa)
- Jpeg2000 (M.Ansorge)

COST Workplan - July08-June09

- Active participation International standards (DICOM, HL7, SNOMED, CEN) and IHE initiative.
- Define a set of standardized **DICOM** file headings for pathology microscopic images.
- Definition of new types of **messages** needed for pathological image information exchange
  - templates & values sets for structured report and messages
  - integrating automatons, tissue banks and TMArrayers to Pathology Information systems.
- Increase the **European scientific leadership** in the Anatomic Pathology domain (IHE-Anatomic Pathology, HL7, SNOMED): A meeting of the WG2 in conjunction with the HL7 working group meeting

Next COST WG2 meetings & workshops

2008	**October 2nd and 3rd, 2008**	**Evora, Portugal**	**COST MC, WG 1234**
2008	November, 2008	Warsaw, Poland	COST workshop - WG3
2009	January 11 - 16, 2009	Orlando, FL	HL7 Working Group Meeting
2009	**March 12 and 13, 2009**	**Paris**	**COST MC, WG 1234**
2009	**May 2009**	**Berlin**	**COST WG 1&2**
2009	May 10 - 15, 2009	Kyoto, Japan	HL7 Working Group Meeting
2009	**June**		**COST Annual Progress Conference**

2009-10 – IHE Anatomic Pathology Time line

2009				
Jan.	PC review of scope of White Papers	11 - 16, 2009	Orlando, FL	HL7 Working Group Meeting
Feb.	Profile development kickoff meeting (TC Meeting)			
Mar.	Profile development meeting: finalize supplements for **Public Comment** (TC)	March 12 and 13, 2009	Paris	COST MC, WG 1234
Jun.	Prepare Profiles for Trial Implementation (TC Meeting)	June 2009		
Jul.	Publication of **Trial Implementation Supplements**	July 21-25	www.ihe.net	
Aug.	Publication of **Final Text Technical Framework (if appropriate)**	Aug. 15	www.ihe.net	
2010				
Jan.	Test implementations at Connectathon		Chicago	
Apr.	Test implementations at Connectathon		Vienna	