



*NHS Wales  
Informing Healthcare  
Radiology Management System  
Project Update*

10<sup>th</sup> October 2008

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# Informing Healthcare



Informing Healthcare  
Hysbysu Gofal Iechyd

Informing Healthcare is a Welsh Assembly Government programme set up to improve health services in Wales by introducing new ways of accessing, using and storing information.

- Make relevant information about your health available to the doctors and nurses who treat you, wherever you receive care
- Provide doctors, nurses and health professionals with the tools, knowledge and services they need to follow best practice
- Give you better information about your health and healthcare services
- Ensure NHS Wales is supported by modern technology and systems



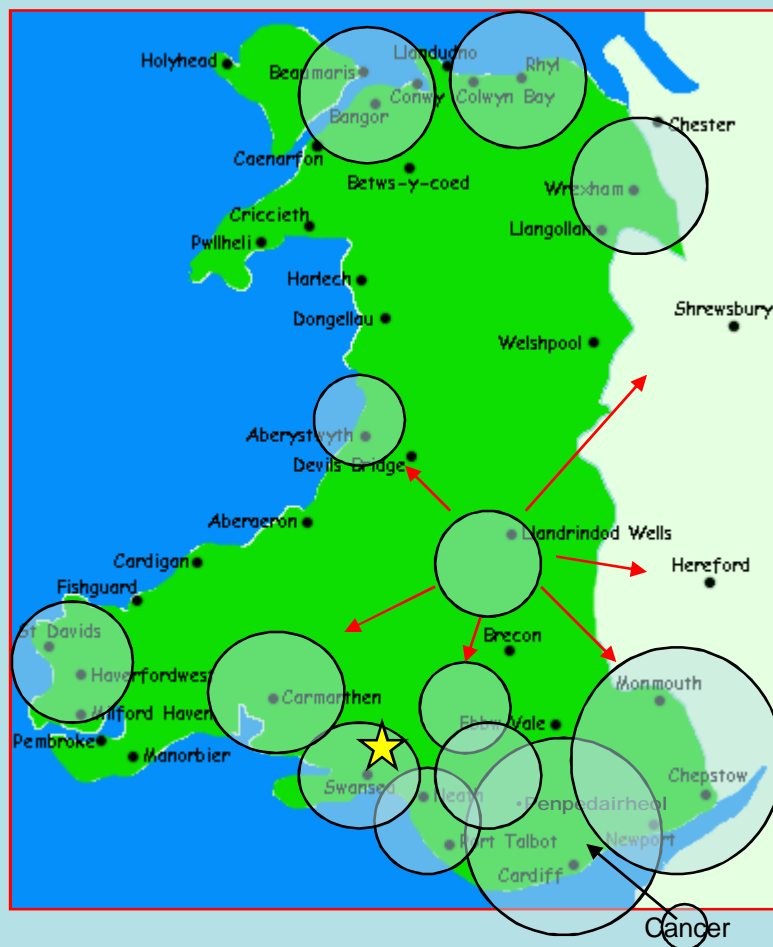
<http://www.wales.nhs.uk/ihc/home.cfm>

# Welsh NHS Trusts – 2007-08



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- 3 million people
- 12 acute trusts
- 1 Cancer services & screening trust
- 1 LHB supporting secondary care
- 1 Ambulance Trust



RIS

RadIS x 12

iSoft RadCentre x 1

PACS

Fuji x 4

Insignia[Sterea] x 3

Agfa x 2

Carestream x 2

GE x 2

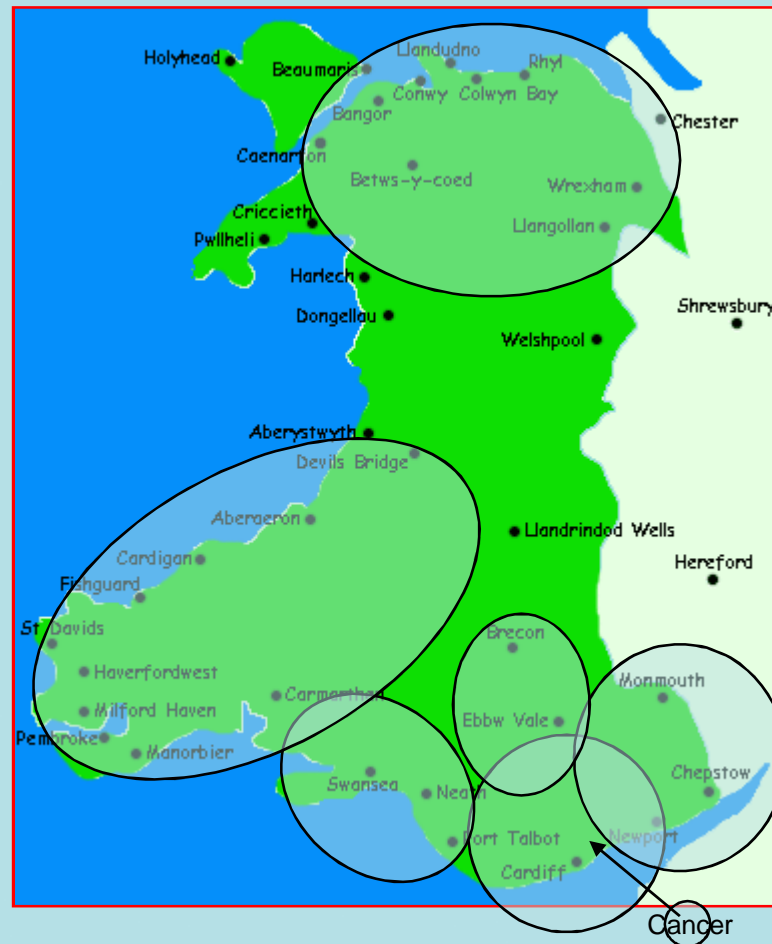
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# Welsh NHS Trusts – 2008 onwards



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- 7 Healthcare organisations
- No LHB's



Some Trusts have  
3 RIS and 3 PACS

(and 3 PAS etc.)

# RMS – All Wales RMS Requirement



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The current position does not support:

## Inter- Site RIS integration

- review of reports of examinations performed elsewhere
- modernisation/ redesign of services
- multi site management information views

## Inter-Site PACS Integration

- sharing of images across organisations
- cross-organisational reporting of images by radiologists

# Radiology Information System – phase 1



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## **RadIS**

An All Wales in-house development based on PICK, then Universe.  
Implemented locally across Wales during early 1990s.

## **Is being replaced with RadIS2**

An All Wales in-house development based on .Net and SQL Server

Progress: Currently Implemented locally at 8/12 Sites

# Radiology Information System – phase 2



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All Wales RMS specification is being developed

RADIS2 will be benchmarked against the specification

Then:

*Either* RadIS2 will be developed to meet the AW functional requirements.

And added to IHC's portfolio of national services

*Or* we start the process of procuring an All Wales RMS:

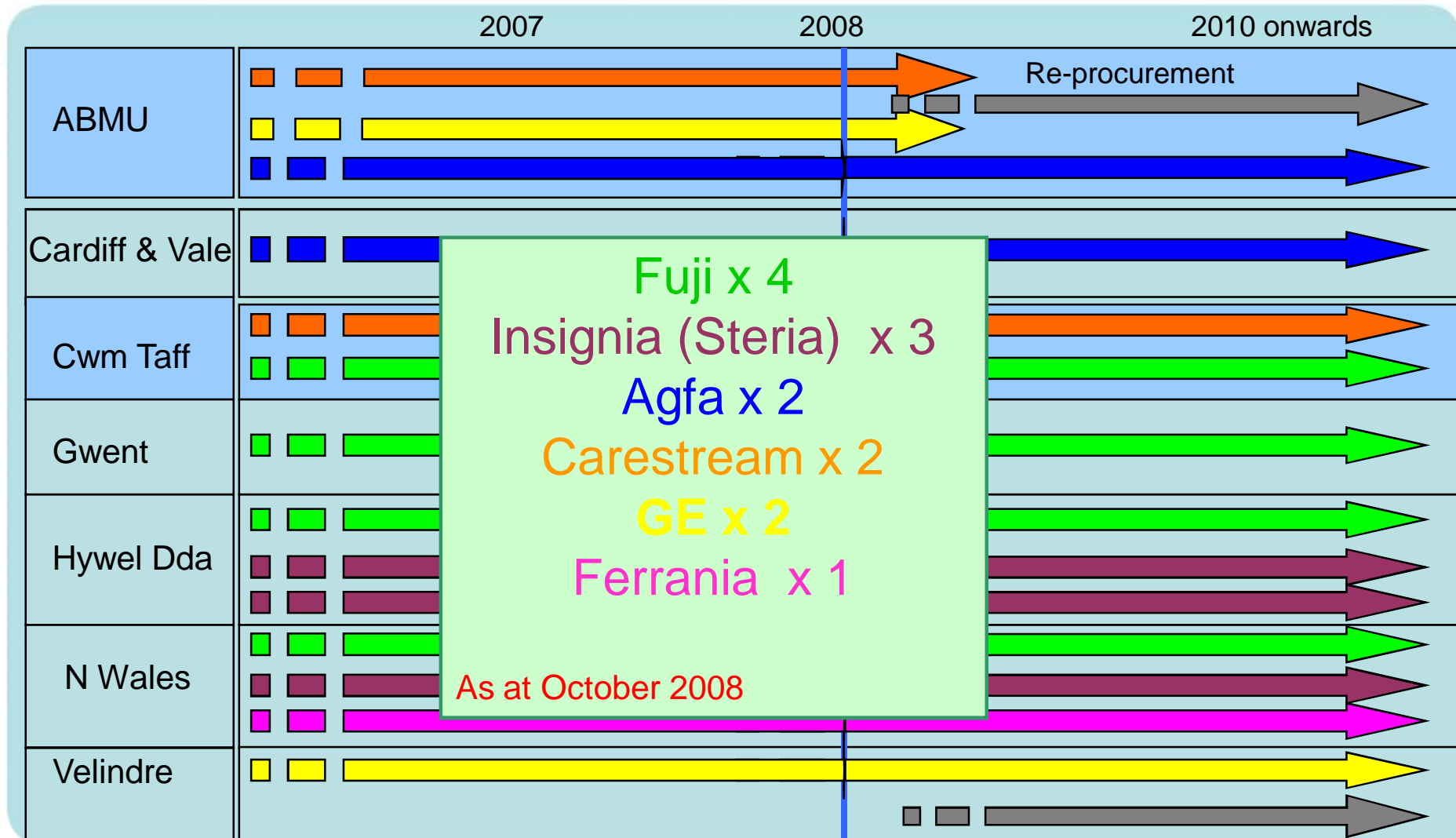
- Strategic Outline Case
- Business Case
- OGC Gateway review
- EU procurement
- On so forth

Decision late in 2008, early 2009

# PACS Solutions in Wales



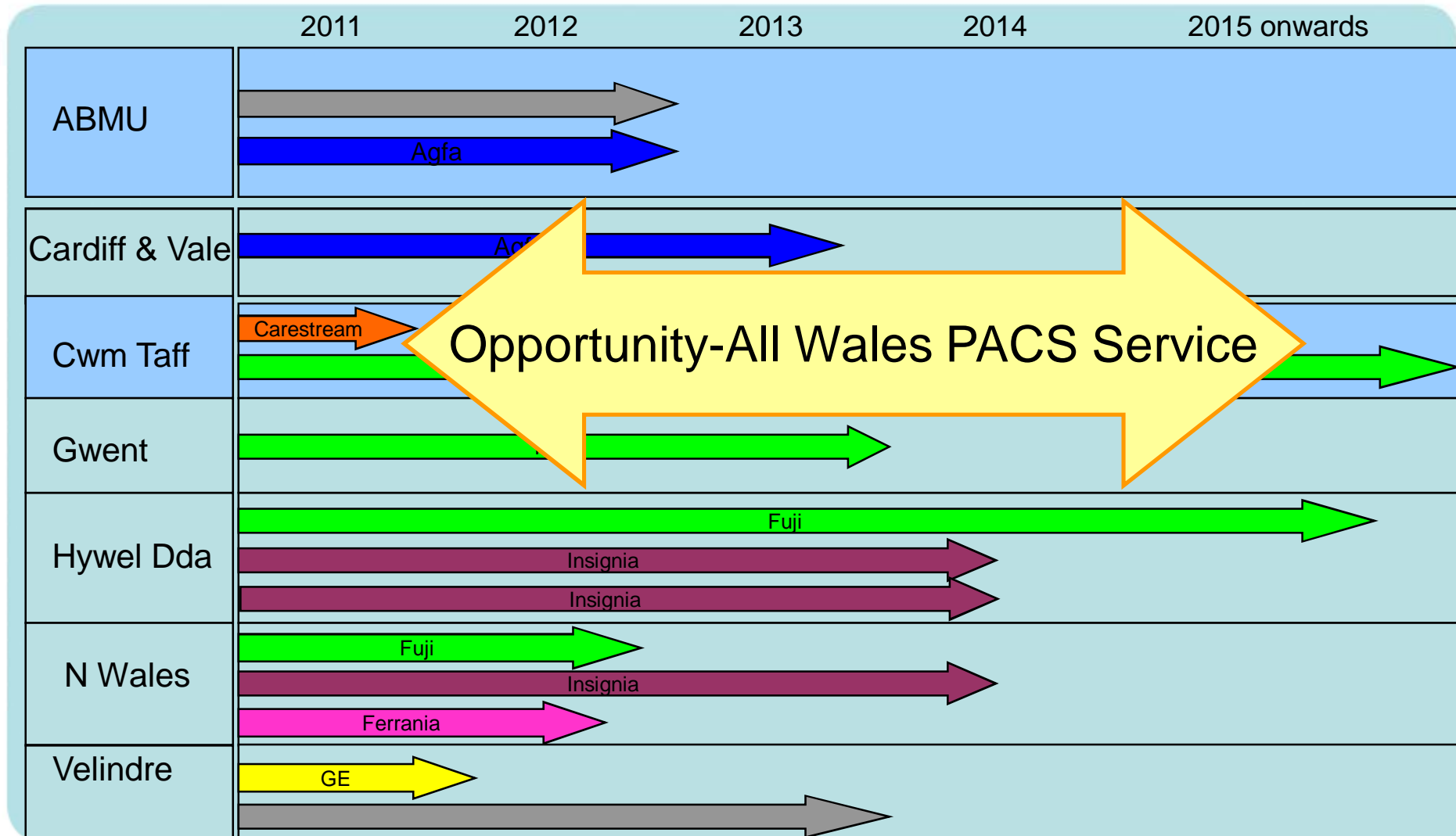
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# PACS Solutions in Wales



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# PACS Integration Project



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## The pilot project:

1. Extract of an image related to a single patient event for review by the patient's clinician and displayed on a general purpose workstation (via the Welsh Clinical Portal);
2. MDT meetings – extract several relevant images in advance of a case review & treatment planning meeting for display on a PACS workstation or a general purpose workstation.
3. Radiologist requires to review relevant priors when reporting local work-list from his own workstation;
4. Radiologist remotely reporting a work-list from a remote hospital or from home



# PACS Integration Project



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## Other pressing problems

1. Discontinuing the use of CD/DVD data transfer
2. Sharing images with English Trusts

### N Wales:

- Walton Centre for Neurology and Neurosurgery NHS Trust
- Liverpool Heart and Chest Hospital NHS Trust
- Alder Hey Children's NHS Foundation Trust

### S Wales:

Bristol Royal Infirmary