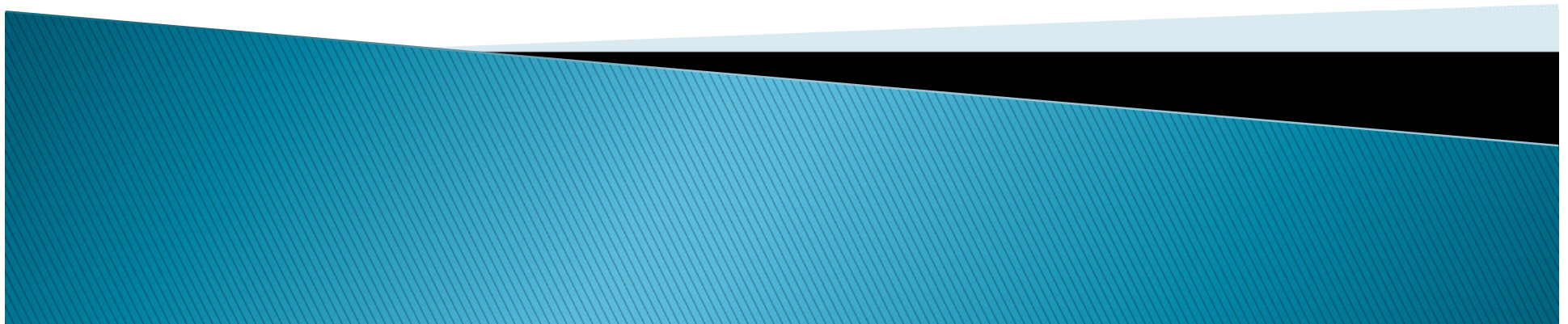# Nursing Informatics A Critical Component in Continuity of Care
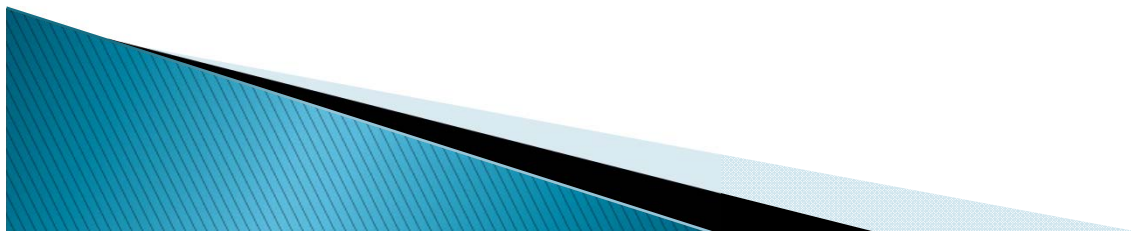
AIGNA Conference 2013

Dr Pamela Hussey, Ms Daragh Rodger

Background

- Data intensive society Big Data eHealth agenda

- Health informatics – data analytics
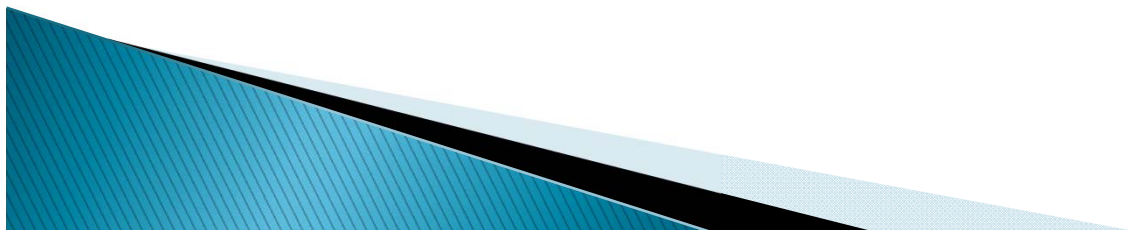
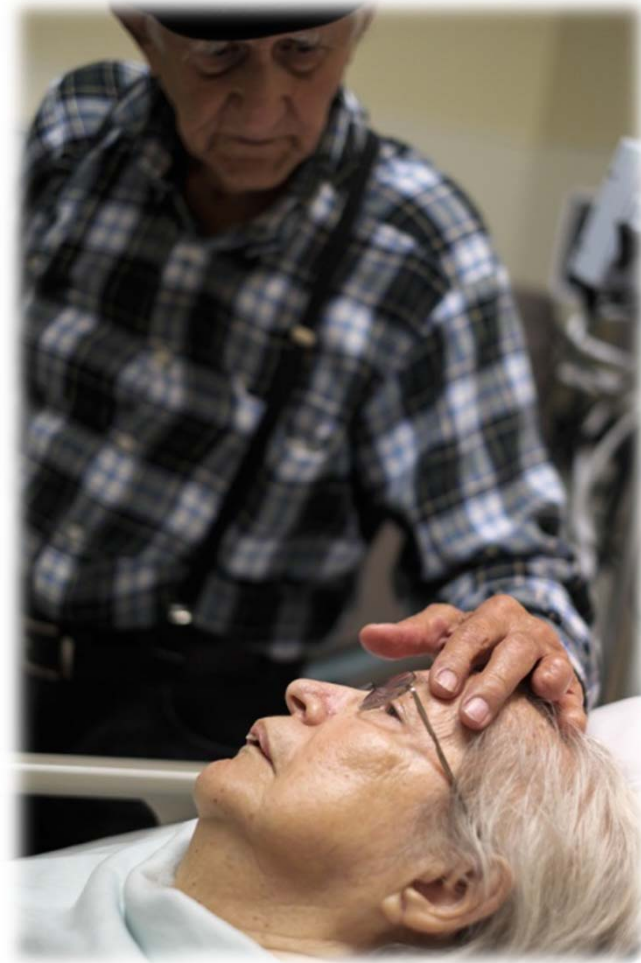- Situating Nursing and Midwifery

- HISINM going forward

Some Facts

- Technology is now ubiquitous -1 billion objects linked to internet by end of 2013
- Continuity of Care is a critical factor for citizens in supporting health and social care to measure patient outcomes
- Integrated platforms that deliver clean data to deliver tactical objectives is a key requirement.
- Transition to Independent trusts has commenced
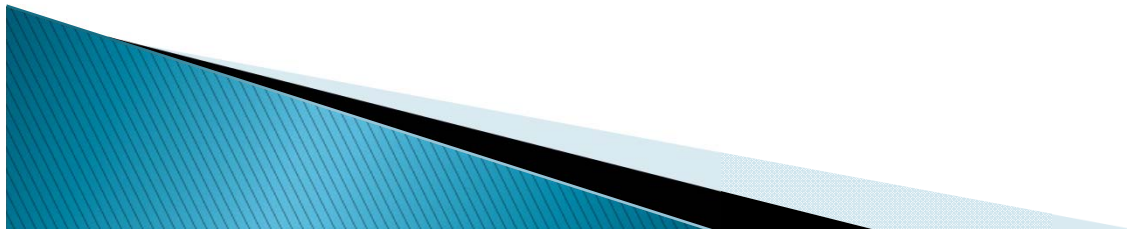- Health Information Bill will be passed by end of 2013

HI Defined

Situating Nursing and Midwifery

HISINM Strategic Action Plan

▸ Nursing and Midwifery Informatics in Ireland – current status fragmented

▸ Vision to implementation action plan

▸ SWOT priorities – DIKW continuum

HISINM Overview

- Group Established in 1996

- New approach capitalising on emerging learning technologies (January 2013)
  - Communications agenda
  - Readiness for engagement training and education
 - Adopt L.E.A.R.N as guiding principles

First Principles – Recognition

- Visibility & Voice – good care often only evident by its absence

- Significant expertise across the country
  - Health Informatics Standards
  - System implementation
  - Advanced nursing and midwifery practice - *what works for who and in what capacity?*

- It's at the edges that interesting things happen
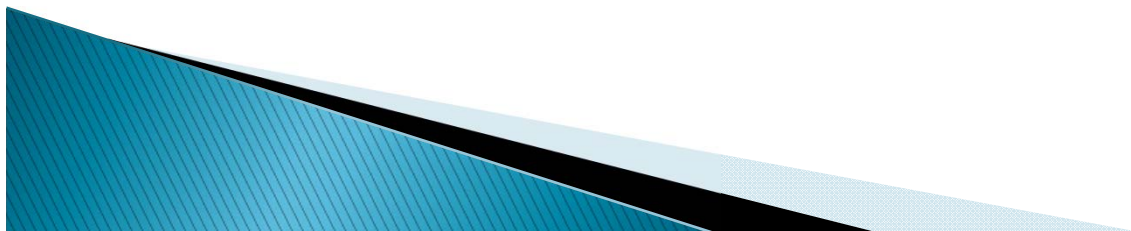
Hub and Spoke Model
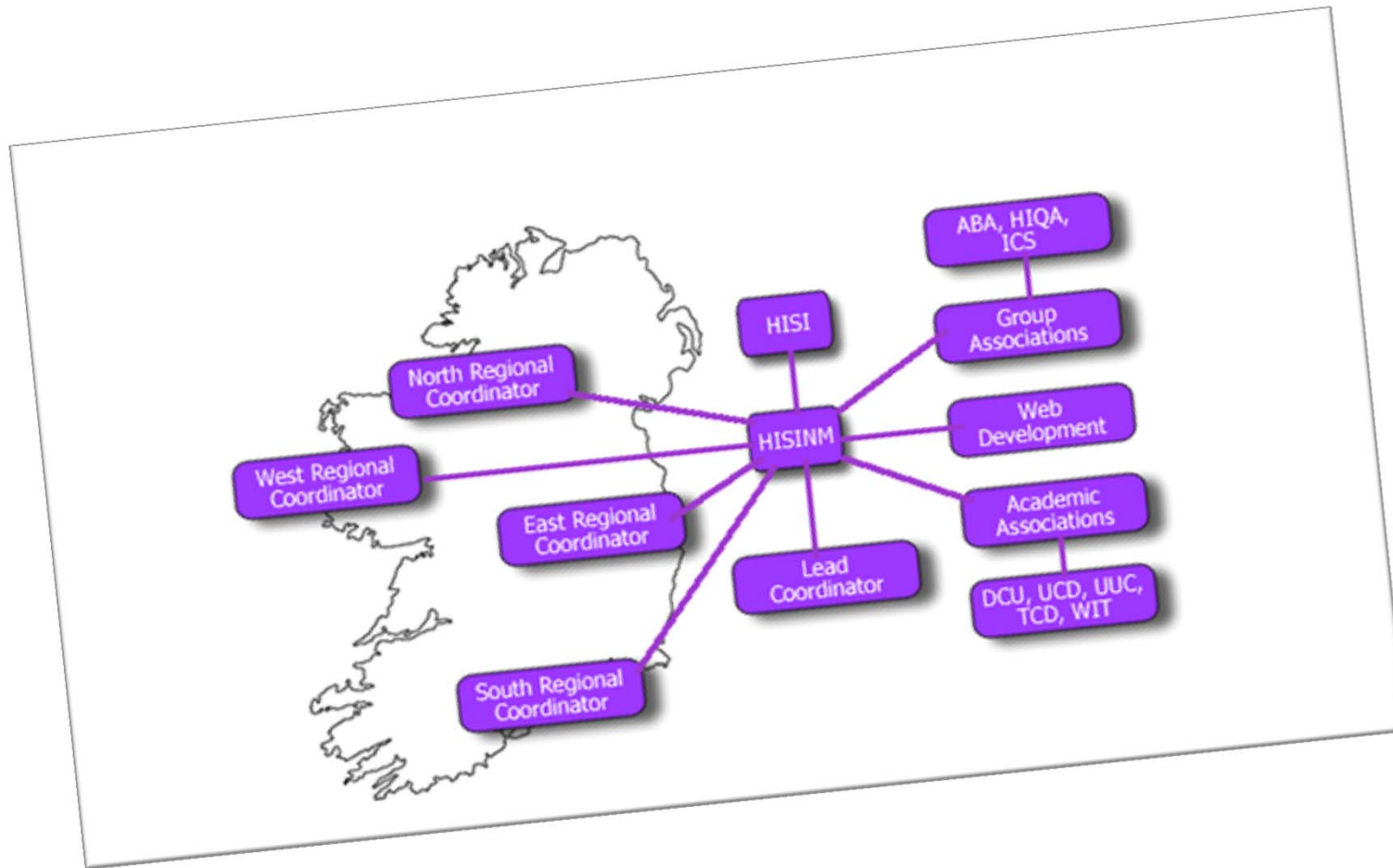
HISI NM Strategic Approach
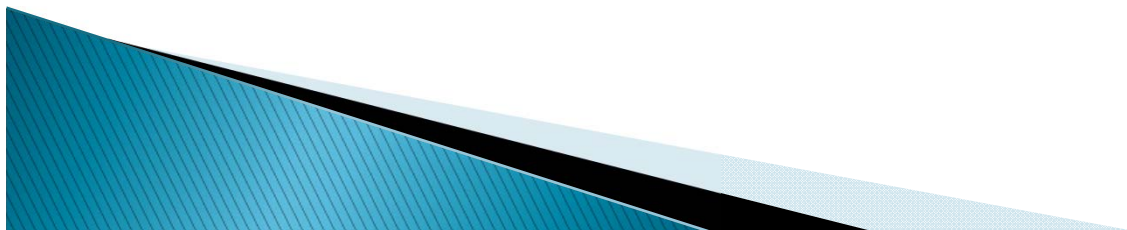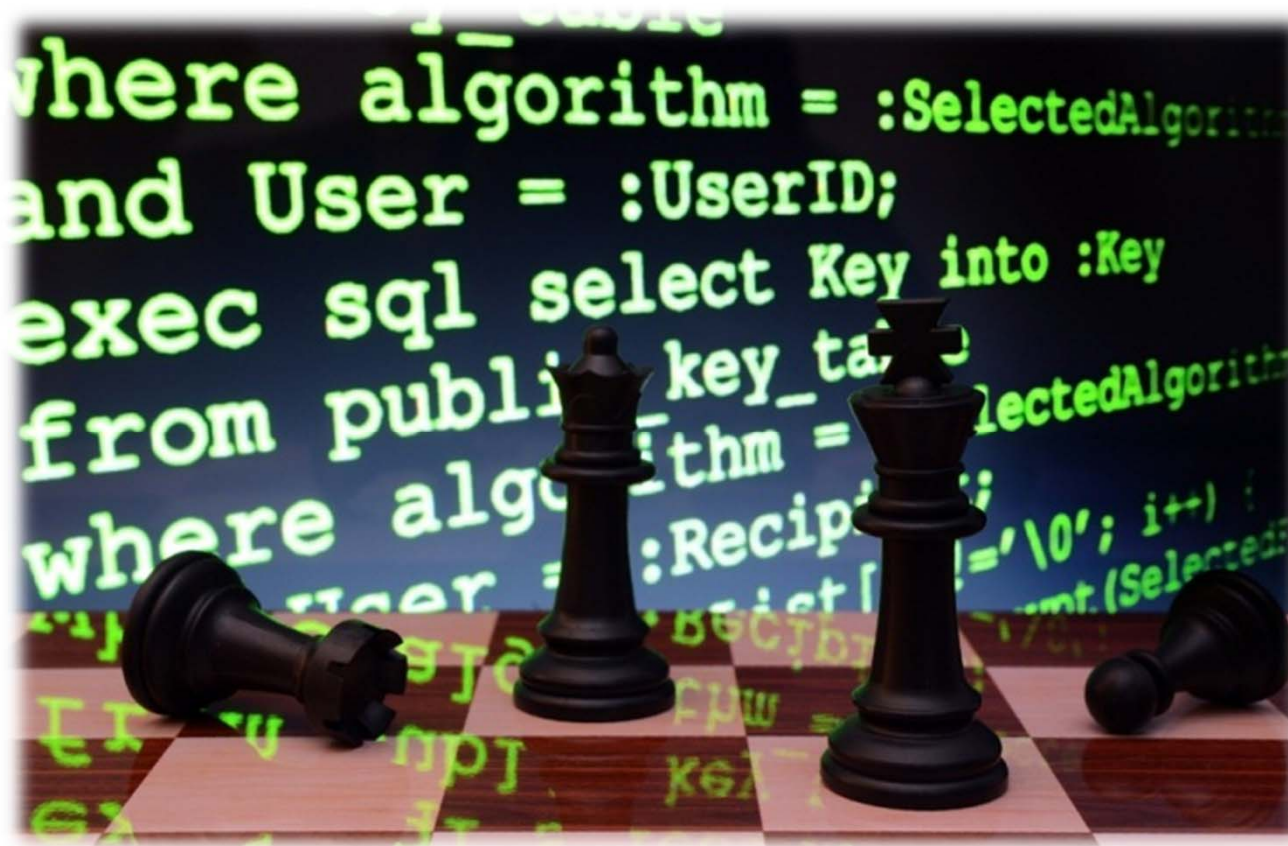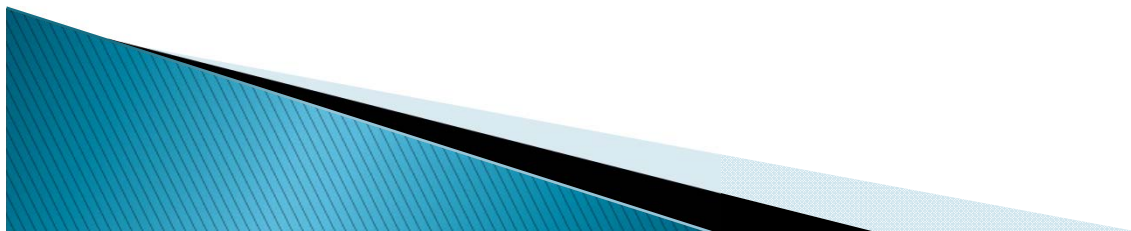
Vision to Implementation LEARN

Listen to **clients and clinical leaders** to determine what the requirements are?

Early engagement in design – content in context

Adopt reuse and adapt from international colleagues best evidence and HI standards

Realistic evaluation input process output bottom up and top down - stratified approach

Needs analysis focusing on individual clients in a community using wellness rather than illness approach

Strengths	Weakness	Opportunities	Threats
Expertise extensive Tactical action plan in progress **LEARN**	Voluntary group	Green field site with pockets of development	Green field site with pockets of development
Internationally well connected Canada , USA , UK, EU -ACENDIO ISO CEN engagement	Time constraints Clinical staff battle weary Require support	DIKW framework international dimension adopt and adapt	Education: No competency framework established at Under Graduate Level
Supported by key nursing organisations in Ireland	Financial limits and resources e.g IHTSDO	HISI ICS support for development of networks	Training – Competency Conscious versus Unconscious
Size membership growing in capacity	No Health Informatics Institute	Readiness for engagement resources	Concurrent work paper trail continually developing

Continuity of Care Core Requisites
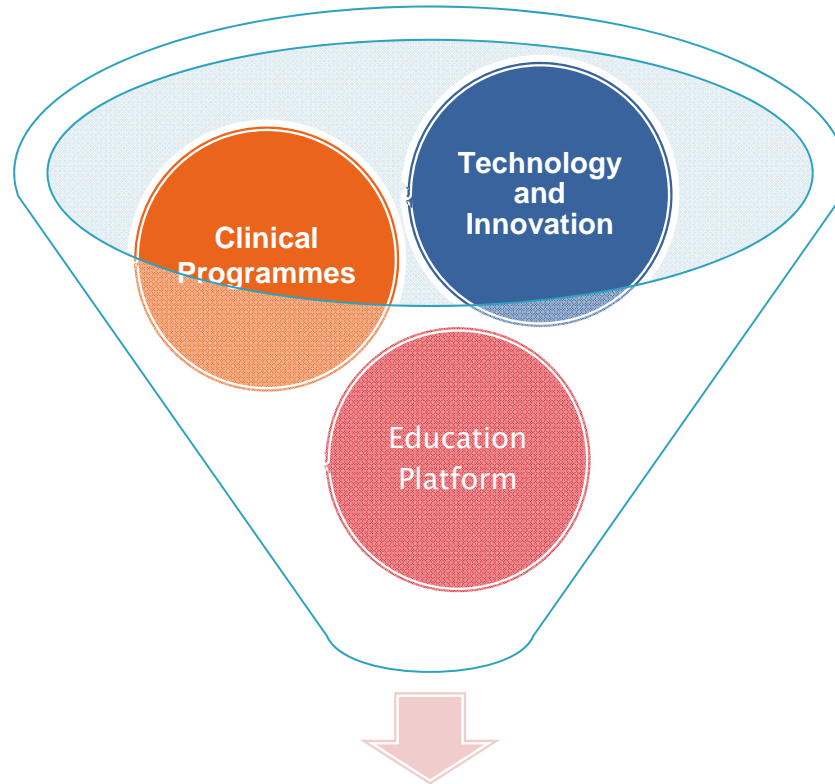

Care of Older Adult

Clinical –

Nursing Metric Indicators

- Patient Experience – Aim to provide a quality service to all service users is this being achieved?

- Key Performance Indicators – measure care against a set of standards (HIQA, NMBI)

- Examples of key area in older person
  - Falls , Pressure Ulcer, National Early Warning Score, Medication, Prescription Care.

Nursing Metrics Planning

- Based on Results of indicator measurement: Identify areas for improvement and devise an action plan

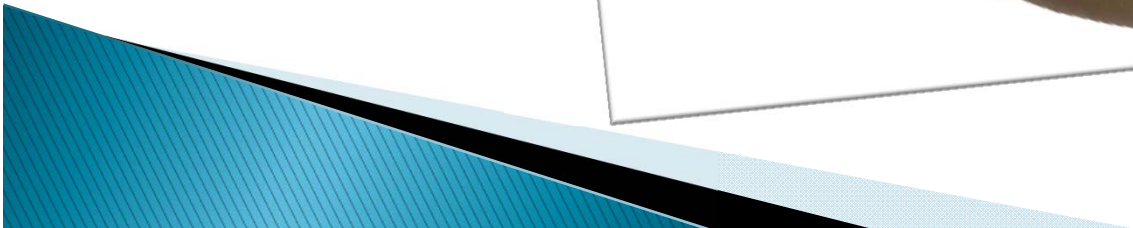- Plan - Measure improvements made on a monthly basis

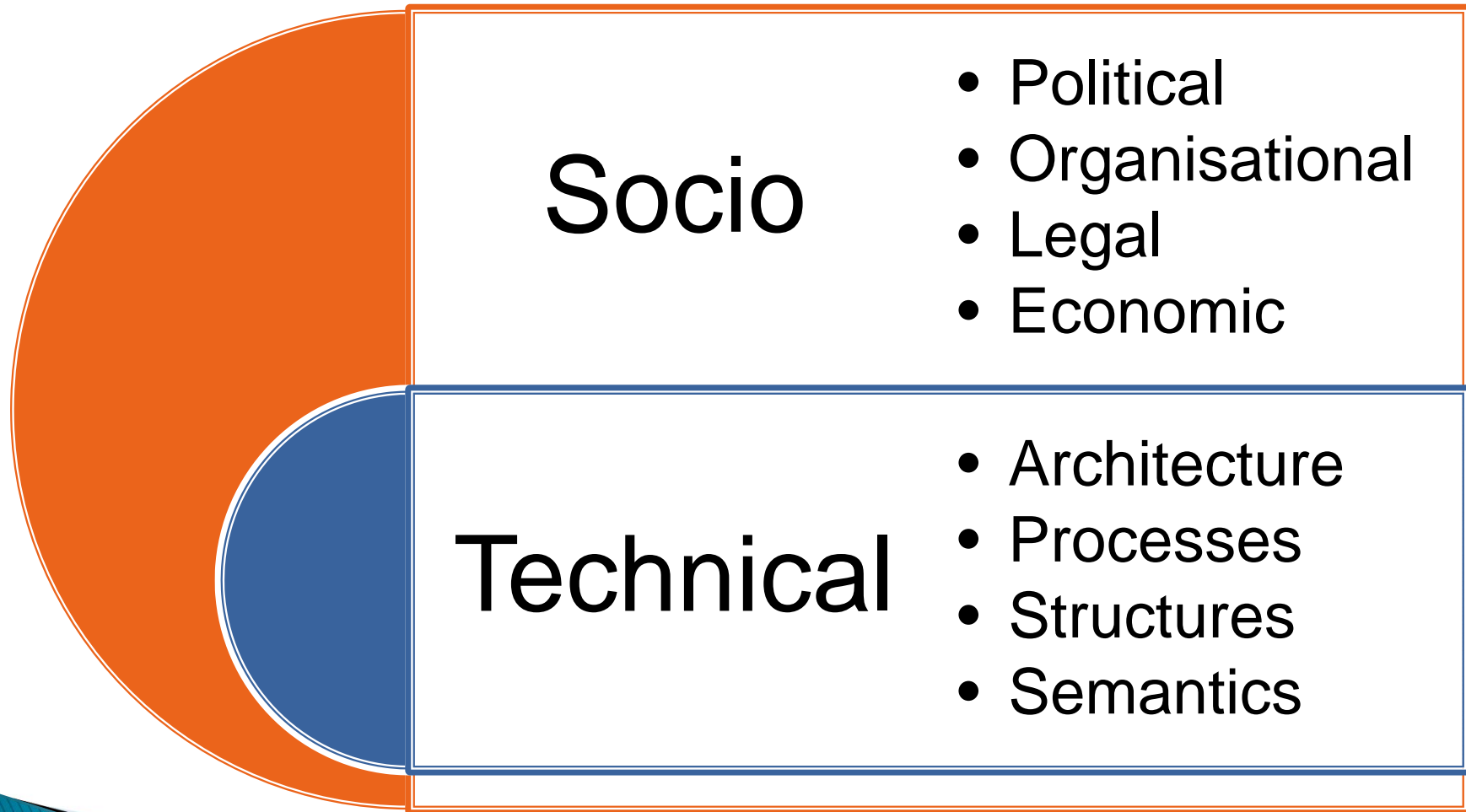- Inform best practice
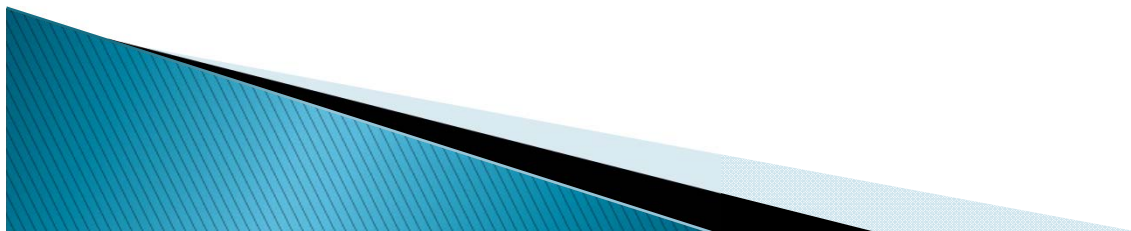
Education Platform

Some Examples:

- HSEland http://www.hseland.ie (General)

- Bone health http://www.bonehealth.co (Citizen focused)

- EHRinsight http://www.ehrinsight.net (Informatics)

- Partnerscop http://www.partnerscop.com (Community focused)

Technology and Innovation

Integrated Care - What Is It?
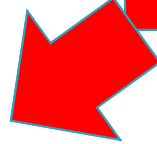
Socio
- Political
- Organisational
- Legal
- Economic

Technical
- Architecture
- Processes
- Structures
- Semantics

Ogden & Richards Semiotic Triangle

© P Hussey 2011
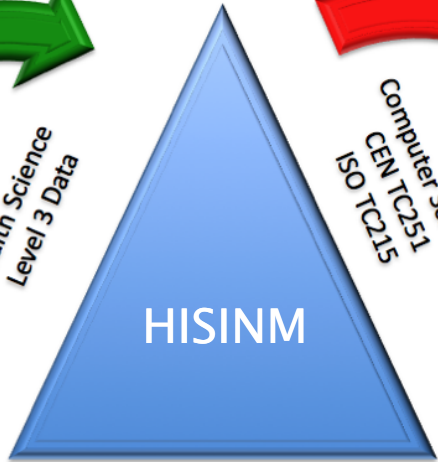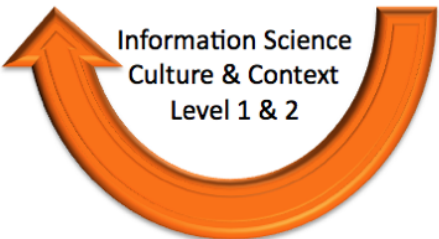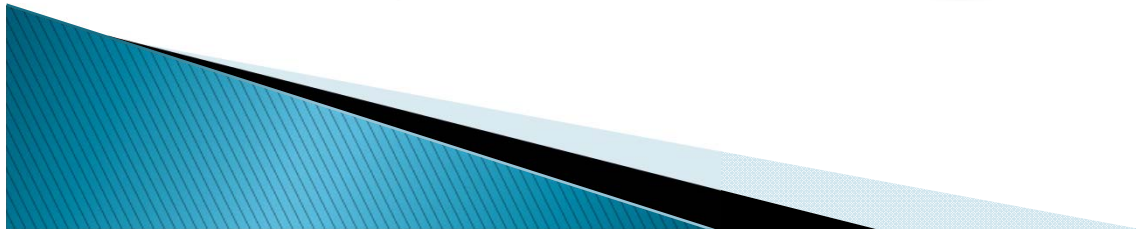
Readiness for Engagement

Summary

The only thing in art is the part that can't be explained … the only thing in a medical system that matters is the part that can't be measured

Prof A Halligan Director of Education, UCL

Contact Details

Dr Pamela Hussey

Lecturer

School of Nursing & Human Sciences

Dublin City University

Email pamela.hussey@dcu.ie

Daragh Rodger

Advanced Nurse Practitioner – Care of the Older Adult Community

St Mary's Campus

Phoenix Park, Dublin 20

Email daragh.rodger@hse.ie

http://www.hisinm.ie