Informatics in Public Health Nursing A Critical Component for Health Ecosystems in Ireland

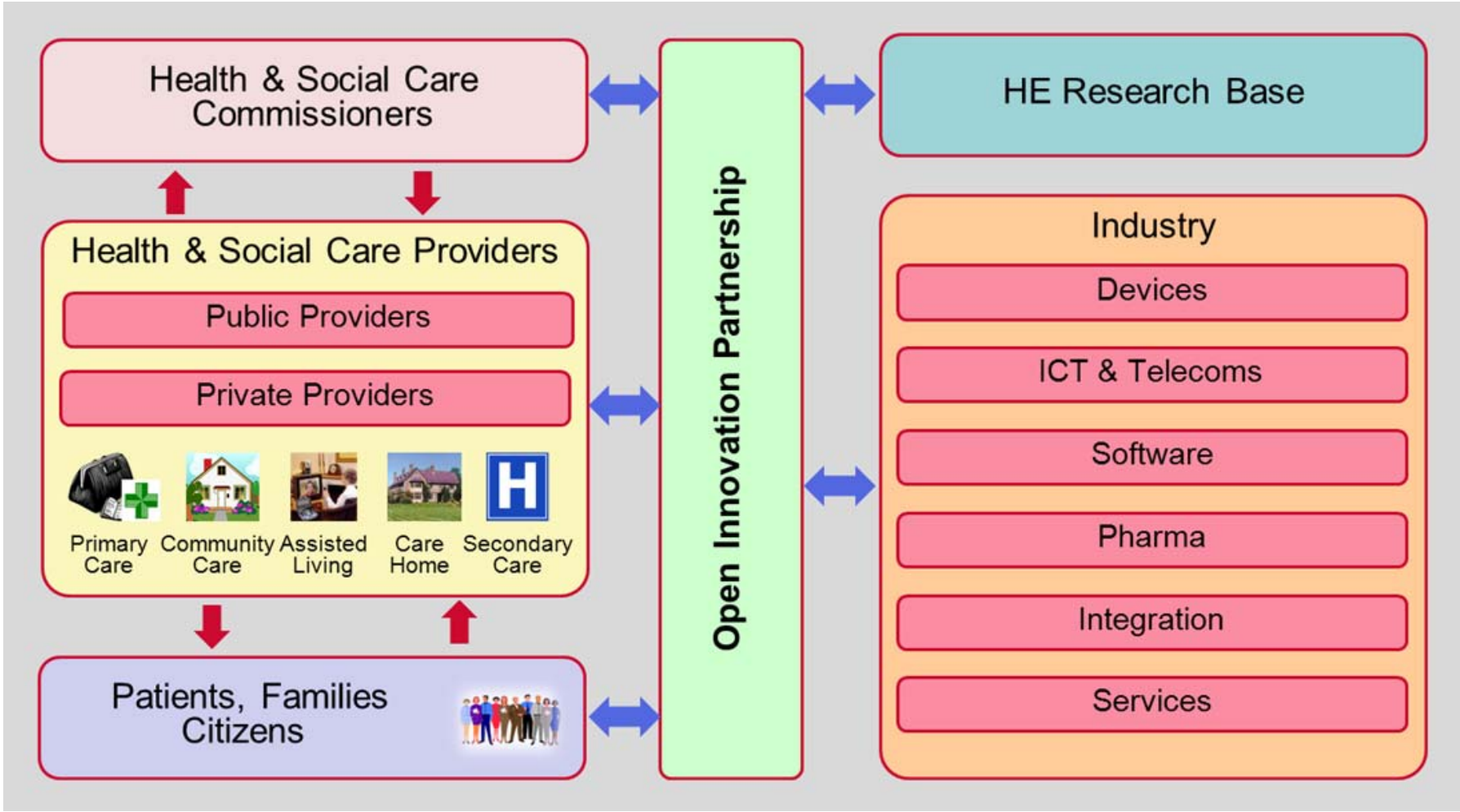
Making the Difference ICHN 2013

Gaye Stephens & Pamela Hussey

Overview

1. Background and Context
2. National agenda for Nursing and Midwifery – PHN voice in Models of eHealth
3. Critical Factors for Successful EHR (EHRinsight)
4. Some practical exercises
   - Identifying critical pieces of the EHR puzzle
   - Critical components DIKW

e-Health ECO systems
Northern Ireland Example



Health Informatics

Definition of Nursing Informatics

Nursing informatics science and practice integrates nursing, its information and knowledge and their management with information and communication technologies to promote the health of people, families and communities world

IMIA-NI definition, adopted July 2009, Helsinki, Finland- -
http://imia-medinfo.org/ni/

Background and Context

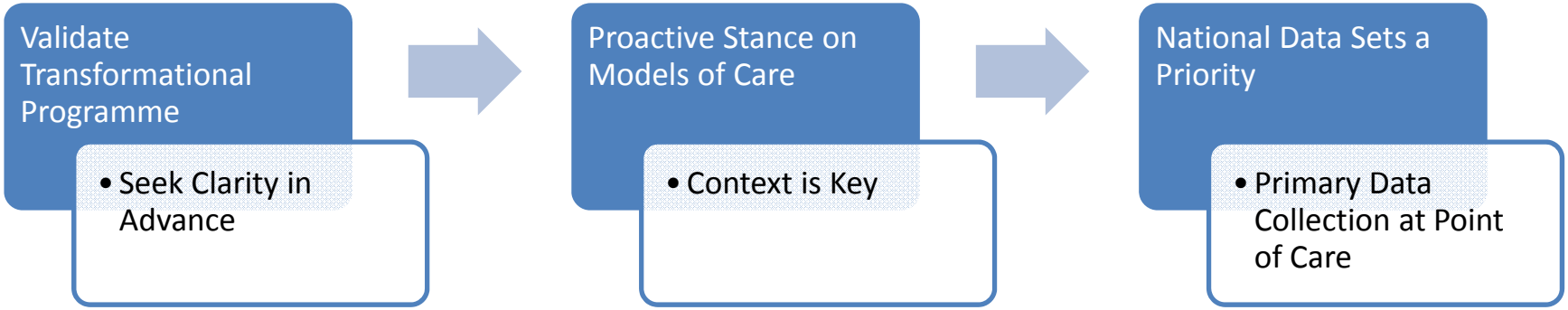
- Accept as a given that audience understands current policy and planned transformational programme for primary care in Ireland
- Accept complexity of the context cannot be under emphasised and that PHN's are context experts
- Accept that emerging design of ICT infrastructure will have an impact on both client outcomes and PHN's caseload as well as society in general

HISINM's Accepted Opinion

Context is not unwelcome noise nor a confounding variable to be controlled but an integral part of a programme Davidoff, 2009

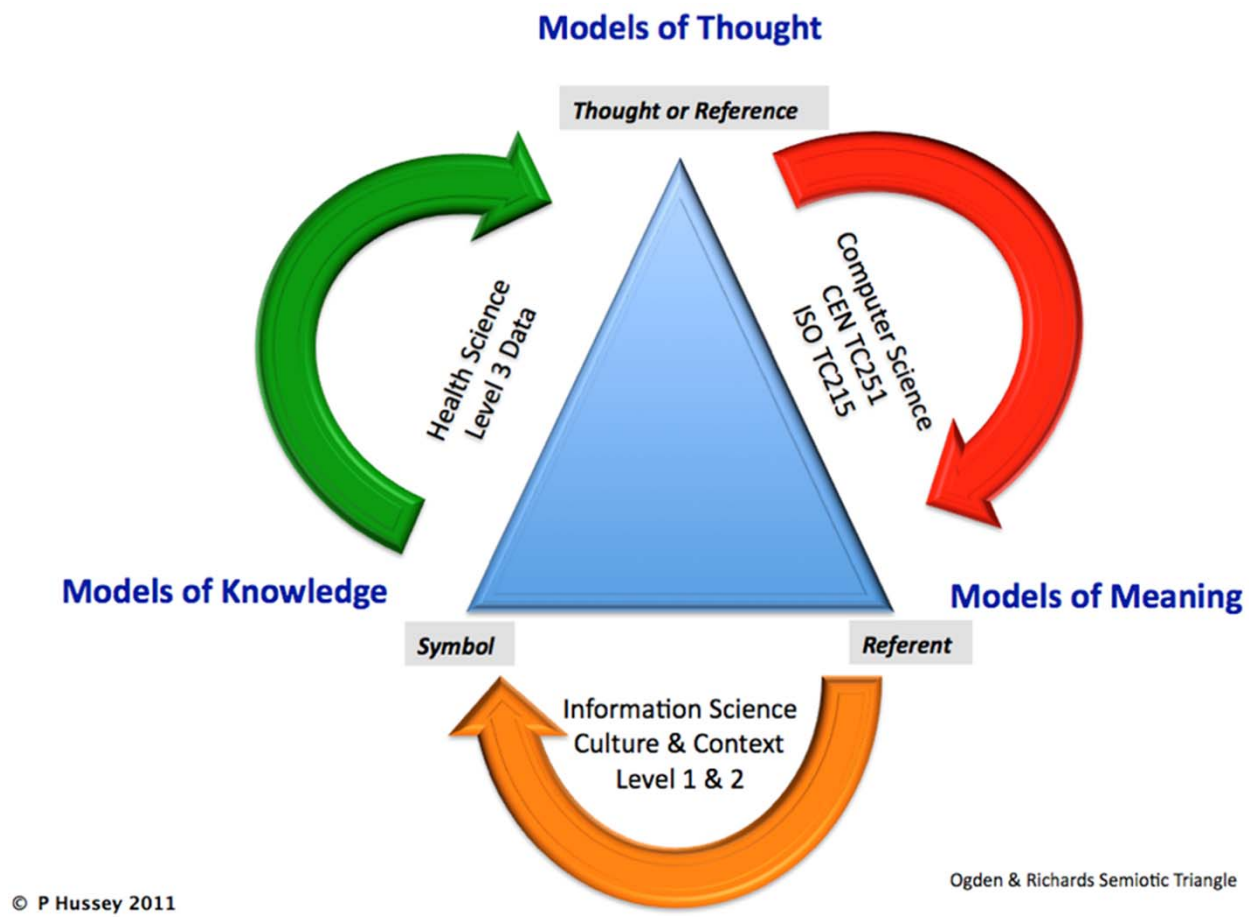
Where there is policy there is politics and performance measurement Pawson 2013

National Agendas – HISINM



http://hisinm.ie/

Situating PHN's in Health Informatics



Regulation

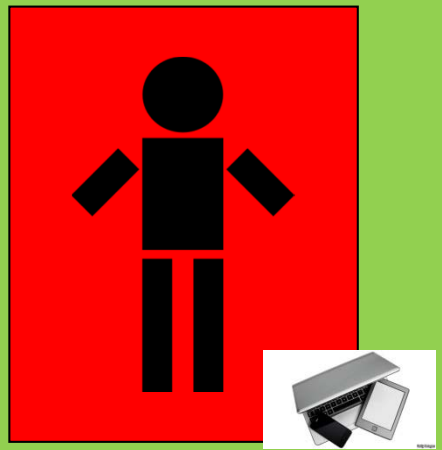
Wellness Promotion

Government Policies

Research

Insurance Medical cards

Health Service Management

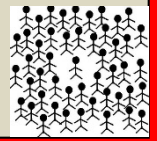


Patient Support Groups

Information Resources

Primary Care

Secondary Care



Community Care

Nursing Home Care

Assisted Living Care

EHRinsight.net

- A group of academics DCU, DIT and TCD working together to explain what EHR is and how the implementation and use of EHR is not a fixed phenomena but rather a continuous process

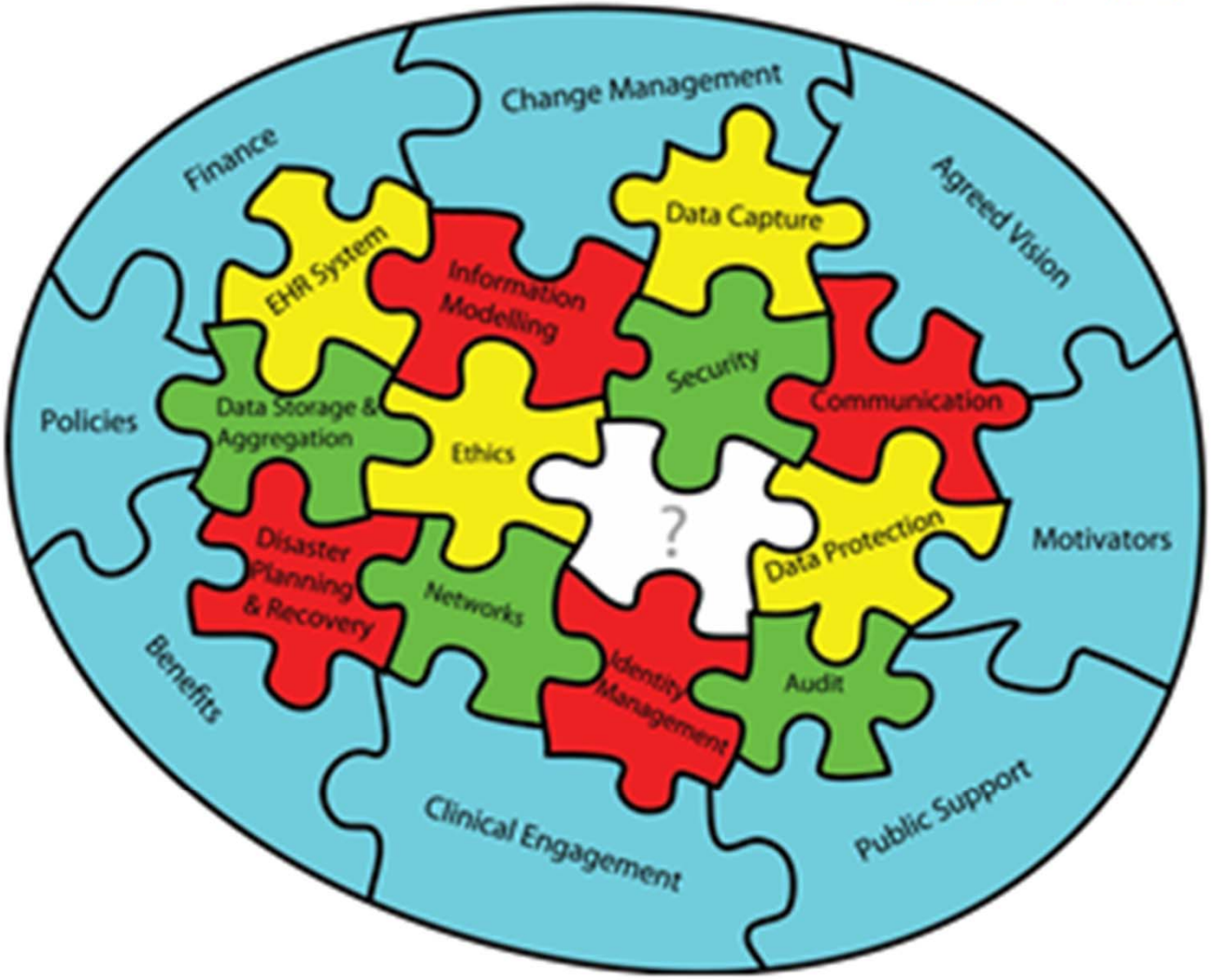
Exercise 1 Critical components

- In your experience as a Public Health Nurse what do you believe are the critical components for an EHR?

EHRInsight

DCU

Pamela Hussey, Damon Berry,
Gaye Stephens, Mary Sharp



www.ehrinsight.net

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PETAL

Data Capture Jigsaw Piece

- PHIT - A pragmatic PHN tool case load analysis
- SAT – an assessment focused on older person's abilities and strengths
- Paper records – Blue Form
- Fax – Inter agency communication

PHN Exercise 2 DIKW

Bread
Milk
Fresh flowers
Ice Cream
Tinned beans
Fanta Orange
Cooked ham
Coriander
Tinned Carrots
Sausages
Paper clips
Mussels
Salmon Darns
Chocolate Biscuits
Pringles
Olive oil
Roast rib joint
Kidney Beans
Frozen fish
Orange Juice
Doughnuts
Crème Fresh
Set of Mugs
Organic vegetables
Detergent

PHN Workshop on classification

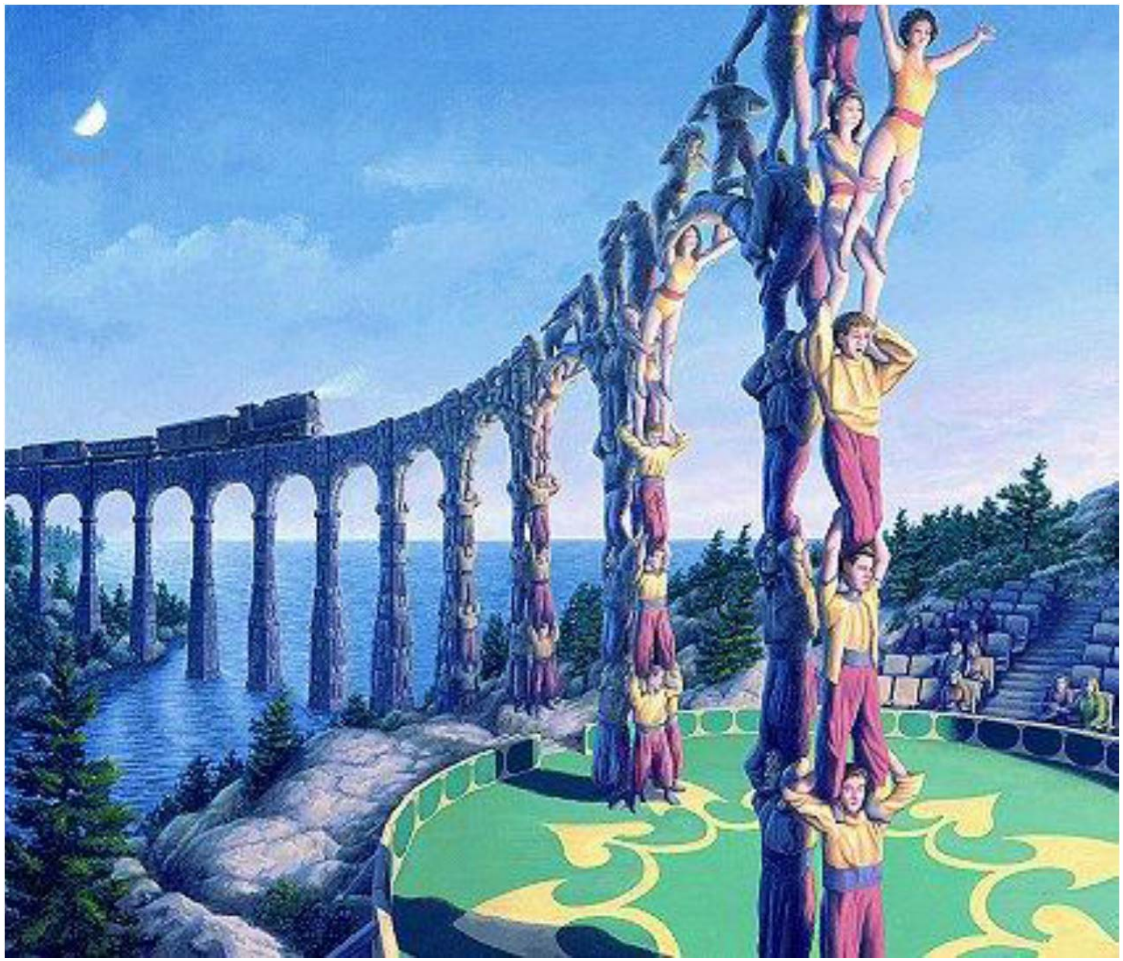
Split into groups of two or three and complete the following exercise

You are asked to create a classification system for a new supermarket opening in your area. Can you review the groceries below and identify what your and your colleague think would be the most appropriate departments to place the items in. Your facilitator will give you some materials to use for this exercise

The Perfect Storm

- “We have the “perfect storm”- unlimited computing power(cloud server farms), remarkable biosensors, genome sequencing, imaging capabilities, health information systems, ubiquity of smart phones, bandwidth, pervasive connectivity, social networking. Super convergence” Eric Topol

What do you observe?

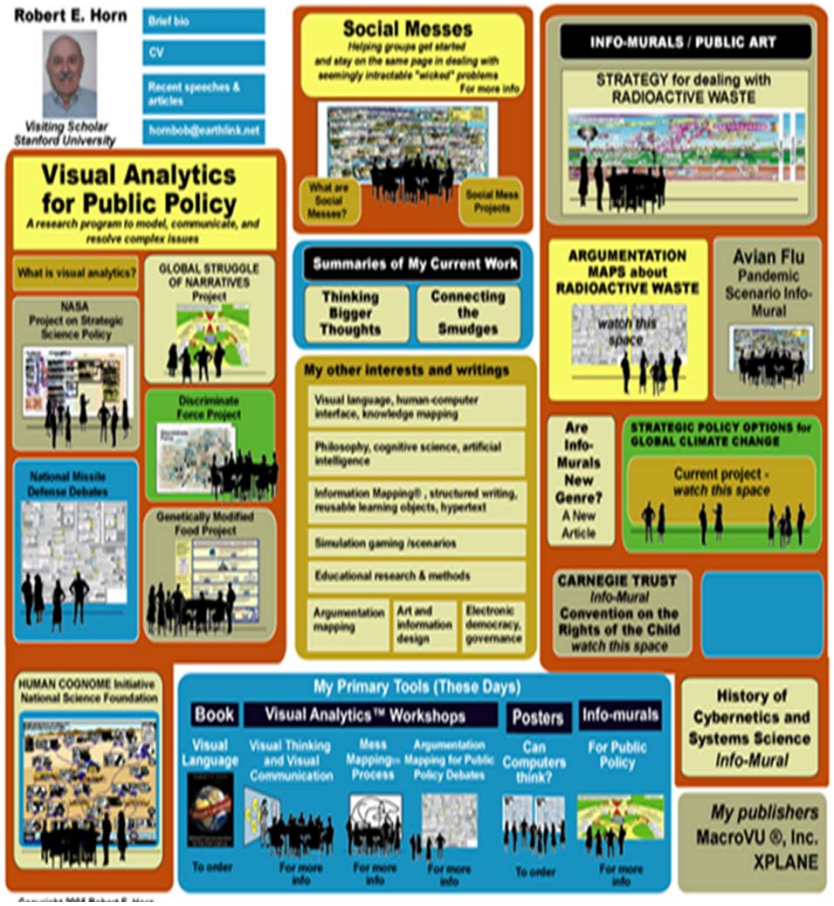


- there is a clear purpose
- an architecture that has been fully validated
- component based
- functionality that has been well tested
- cooperative working
- repeatable
- etc,

Taken from Bill Grimson's presentation at e-Health week 2013

Conceptual Maps

http://www.stanford.edu/~rhorn/



Conclusion

- PHN's approach to the transformational programme and in particular to the emerging models of eHealth needs to be both practical and tactical

- eHealth Programmes requires remedies in action and each approach may require quite different tactics at different times over extended time intervals