

# NCRI Cancer Informatics Initiative

Purpose: ***use informatics to  
maximise the impact of cancer  
research***

# Exploiting the information explosion

Information

There are terabytes of data. How can I use it effectively?



# Exploiting the information explosion

Information

New knowledge,  
products &  
procedures

NCRI Informatics Framework

NCRI Informatics Framework



INFORMATICS RESOURCES

# RESEARCH DOMAINS

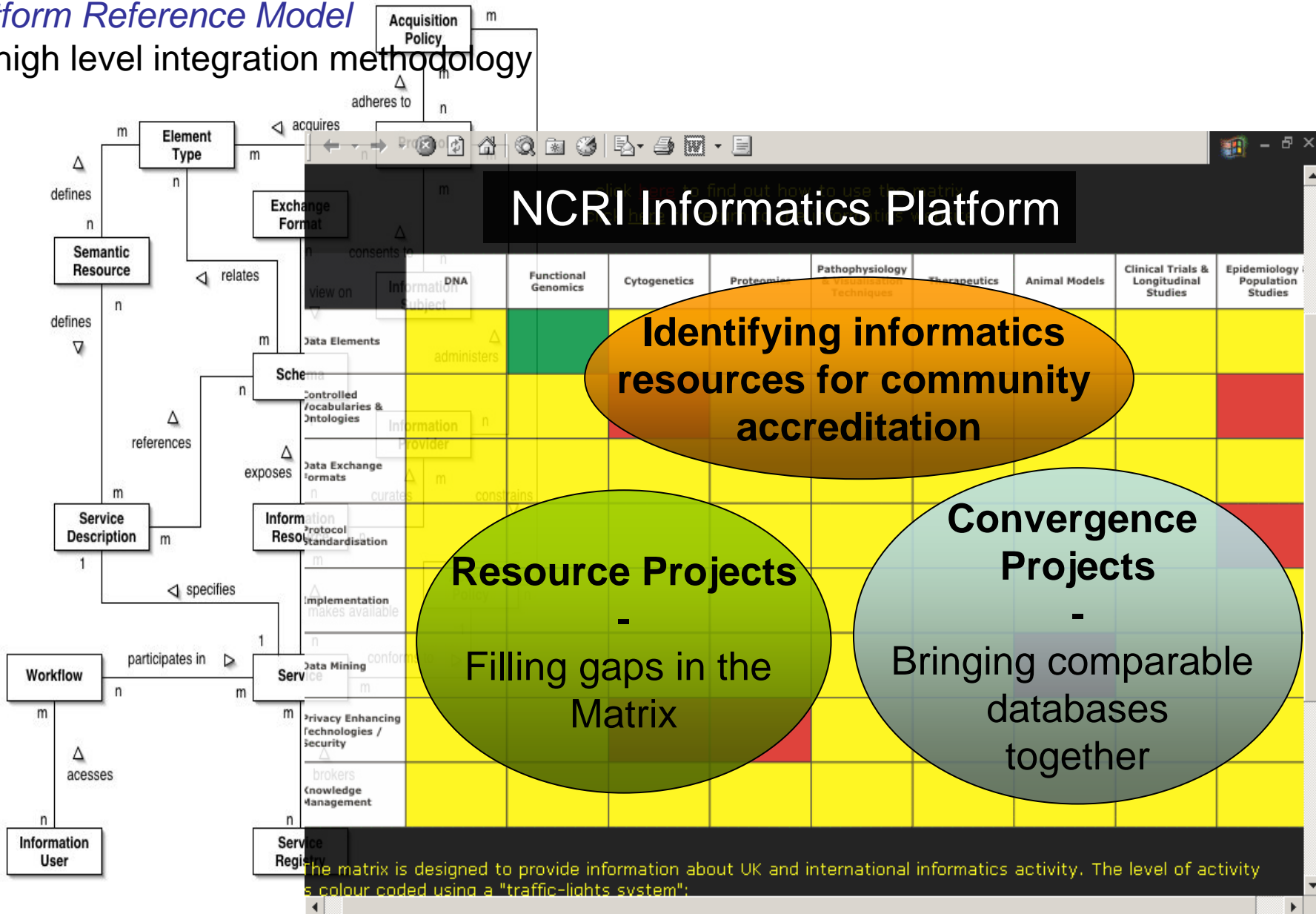
	DNA	Functional Genomics	Cytogenetics	Proteomics	Pathophysiology & Visualisation Techniques	Therapeutics	Animal Models	Clinical Trials & Longitudinal Studies	Epidemiology & Population Studies
Data Elements	Yellow	Green	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
Controlled Vocabularies & Ontologies	Yellow	Yellow	Red	Yellow	Yellow	Yellow	Yellow	Yellow	Red
Data Exchange Formats	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
Protocol Standardisation	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Red
Implementation	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
Data Mining	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Red	Yellow	Yellow
Privacy Enhancing Technologies / Security	Yellow	Yellow	Red	Red	Yellow	Yellow	Yellow	Yellow	Yellow
Knowledge Management	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow

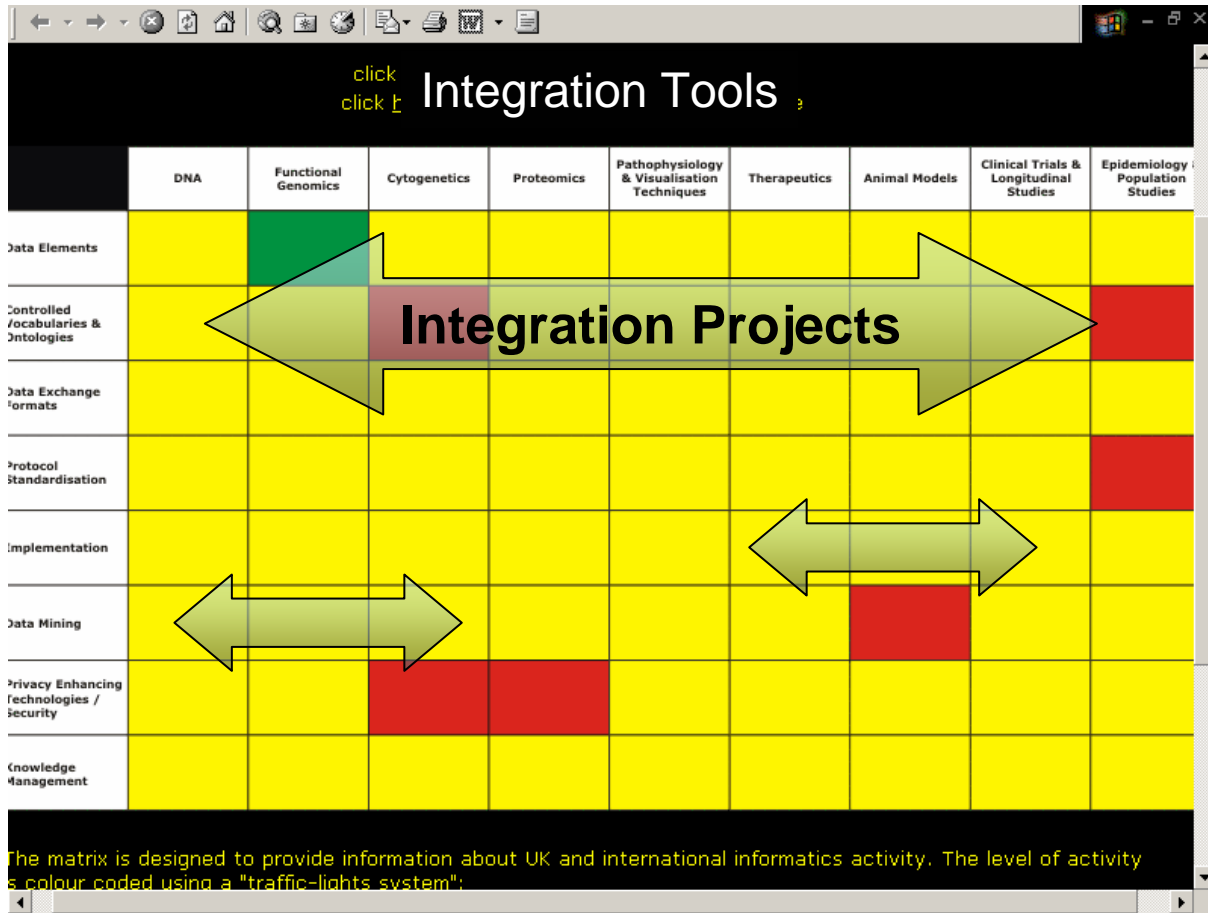
The matrix is designed to provide information about UK and international informatics activity. The level of activity is colour coded using a "traffic-lights system":

# Components of the NCRI Informatics Platform

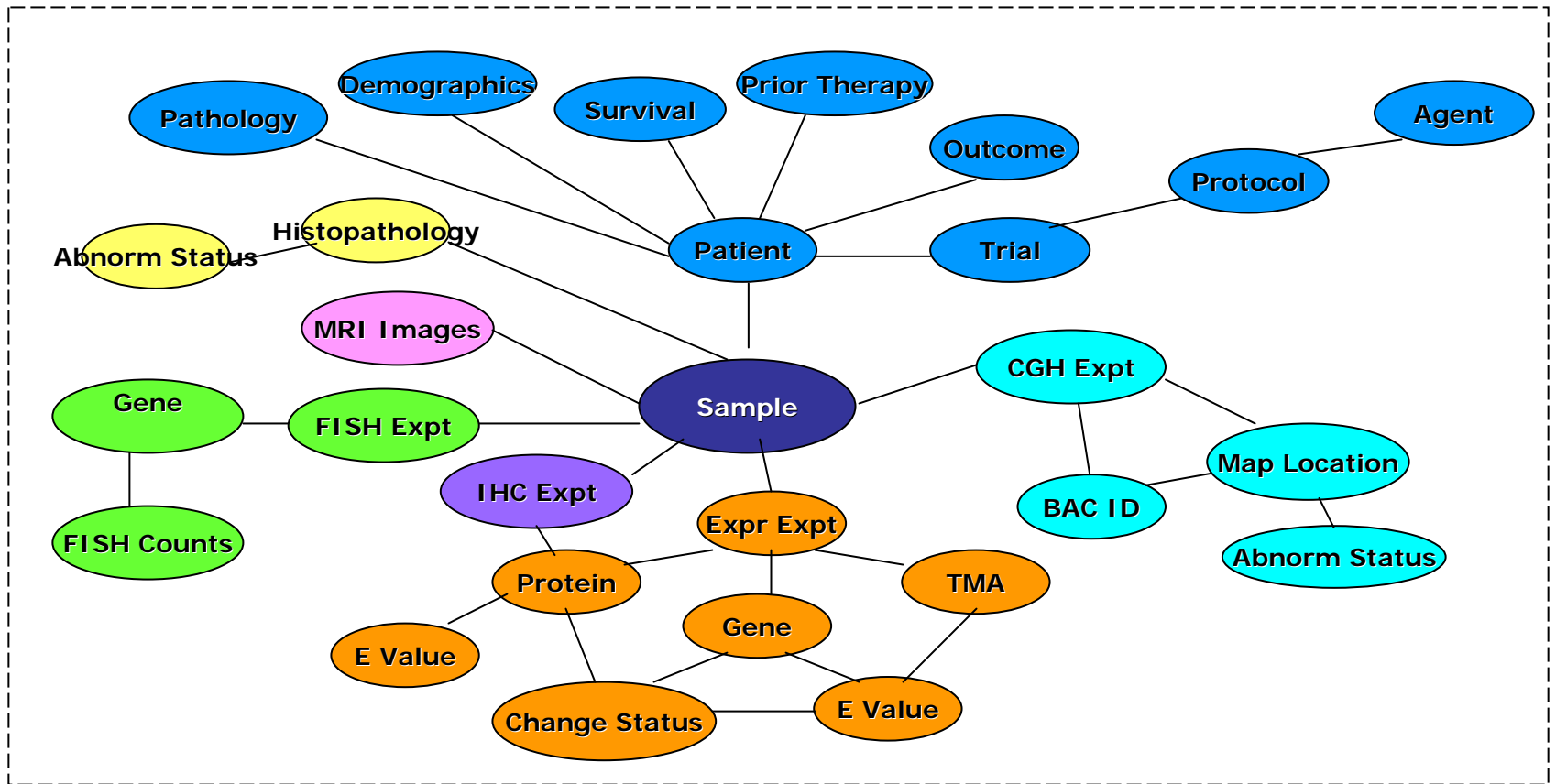
## Platform Reference Model

- A high level integration methodology





# NCICB I-Spy Conceptual Model



# PURPOSE OF THE MEETING

- Define barriers to integration
- Identify potential solutions
- Devise a plan for implementation