



NCRI
INFORMATICS
INITIATIVE



NCRI
National
Cancer
Research
Institute

Confederation of Cancer Biobanks

Data Management Systems
(QA3_summation)

- Off the Shelf vs. Bespoke
 - Timely vs. resource and effort (circumstance)
 - Requirements matching e.g. backup, DR (SLAs)
 - Product support vs. in house training
 - Off the shelf generally less risk prone
 - Must assist/enable science not direct
- Integration
 - NHS requires high security specifications
 - Flexible, scalable, linkable and adaptable system
 - Trust models most appropriate for networks
 - but obtaining trust is not trivial

- Audit of Data
 - Dependent on efficient DB function (unique identifier)
 - Comprehensive annotation (RCP for WCB)
 - Familiar export formats
 - Intuitive interface
- Issues for Security
 - Security underpins modern collaborations
 - but will always have inherent risk
 - Complex domain requiring complex and distributed permissions (trust model most useful)
 - No common infrastructure in the UK
 - AAAA Authentication levels
 - Must be simple to use and uncomplicated

- Further Work / Lessons Learned
 - Develop further in more generic technology
 - Minimum data set required
 - Dedicated and sufficient resources required
 - Demonstrate benefits
 - Multi disciplinary approach is essential
 - Google level simplicity
 - Not appropriate to implement an infrastructure, provide the tools to federate instead
 - Linking data is independent to format but is easier if data are comparable