DISC-UK DataShare: Data Sharing Continuum Distributed high performance computing; analysis tools applied Data Grid to data over secure international network; M2M interfaces Peer review of datasets: seamless link to publications; role-based layers of Data publishing Holy grail access; data overlay journals Graphs, charts, maps configurable Data visualisation online "Actionable" marked up dataset Data manipulation installed in a data browser tool online **National Data** subsetting capability Centres/Archives Original format plus XML markup of data or XML database; open standards used appropriate to Data enhanced for domain; metadata or setup files may re-use be bundled with dataset for importing elsewhere Quality assured metadata; guidance available for depositors; suitably **DataShare** anonymised/consent for sharing Network of exemplars obtained from subjects; thorough distributed documentation about data creation repositories: subject aiming here and methodology included; and/or permanent IDs; formats validated institutionally based and suitable for distribution; migration-based preservation commitment Zip and ship Data files with minimal documentation (e.g. readme file describing each data file) downloadable from Internet Open access Institutional Metadata record of dataset on Repositories Search and website or in repository; possibly discovery enabled; with embargo and contact restricted access information to request access **Fmail** Networked drive, available to dissemination research group, version control by request Privileged Password protected, networked **Typical** drive (backup procedures) access status quo Simple data Personal hard drives, un-networked storage

Robin Rice, September 2007