SHIP – Development of the National Safe Haven
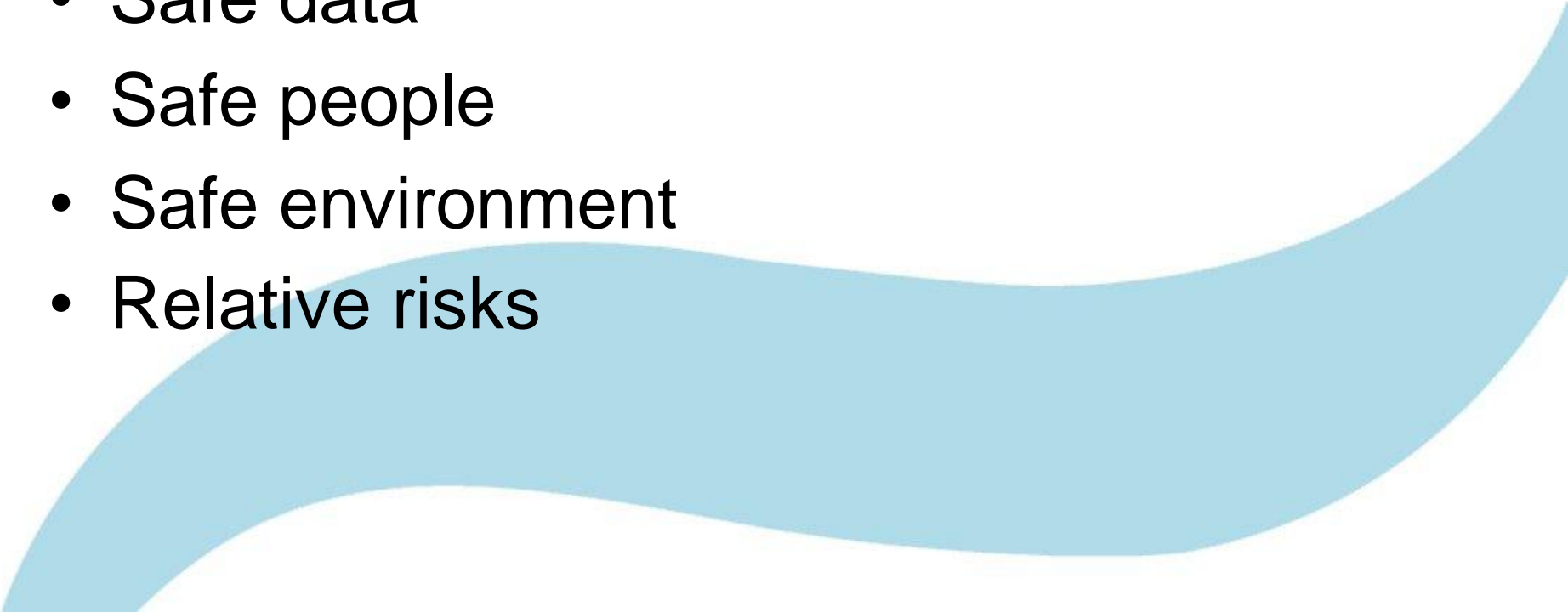
Stephen Pavis
## Janet Murray

Structure of the talk

- Proportionate governance (JM)

- Procurement of National Safe Haven IT infrastructure (SP)

- Launch of the National Safe Haven (SP)

**Proportionate governance:
Individual privacy and public interest**

- Understanding objectives, data required, privacy risks and mitigation

- Ensuring legal and professional compliance

- Obtaining lay opinion regarding balance

Proportionate governance:
**Level of risk and intensity of governance**

- Public interest
- Safe data
- Safe people
- Safe environment
- Relative risks

Proportionate review of Privacy Advisory Committee applications
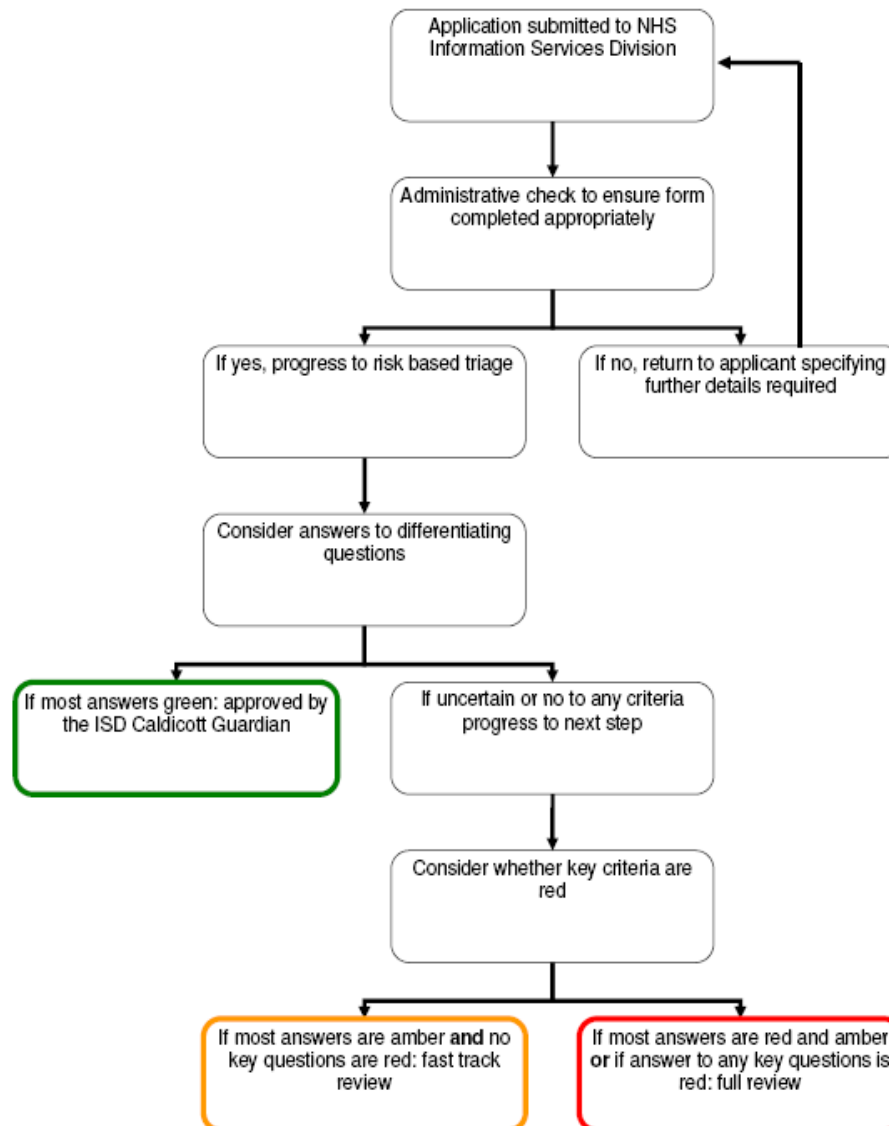
Implementation

- Revise application form

- Inform research community

- Refine definitions to enable standard assessment

- Ensure adequate resource

- Liaise Scottish Caldicott Guardian Forum

National Safe Haven IT Infrastructure
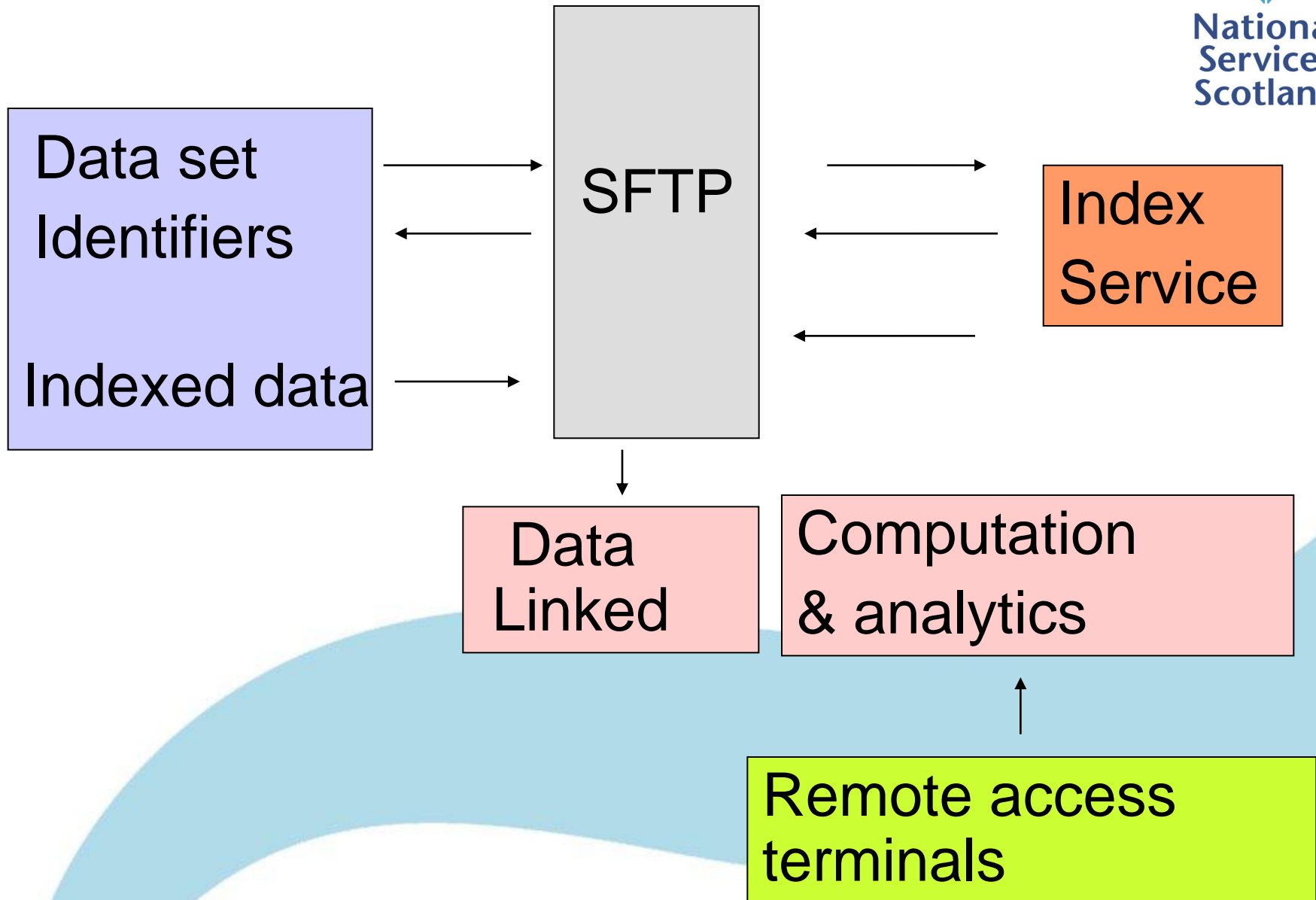
Secure file transfer protocol

- Provides a way to transfer data between secure networks (eg NHS, SG, LA, Universities)

- Web based secure drop zone that requires both password and pin for use

- Technical design by ATOS currently with NSS security experts for agreement

Indexing Service

- Automated system which uses CHI index to allocate a unique index number to each study subject

- CHI is not released only the Index number

- Additional option of clerical review for when 'false positives' are unacceptable

- This service is now in place

Linkage, computation and analytics (1)

- Performance must be right !
- Cross disciplinary expert workshop held on May 10th (Harvard medical school, Sanga Institute, IBM, ATOS, Scottish academic experts)

- IBM Netezza purchased
- Multi-blade parallel processor–specification being determined

Linkage, computation and analytics (2)

The service must be affordable and sustainable!

- Business case developed by Scottish Enterprise
  - estimation of demand
  - costing model (to provide and develop service)

- NSS are currently reviewing the costs and sustainability – 4 year contract with ATOS envisaged

Accessing Data

- Mode of access determined by data controllers
    - data export
    - remote access terminals (Citrix via N3 connection)
- ~70 concurrent users
- 300 studies per year

- NSS and HSS will provide access terminals
- Other institutions will also be able to create dedicated terminals

Advice and Support Service

- Research coordinators
  - single point of contact
  - approved researcher status
  - datasets
  - permissions
  - statistical disclosure control

- Probabilistic matching
  - poor data quality
  - few or no identifiers

When will it happen ?

- AOA require 12 weeks to put the linkage and IT infrastructure in place (after contract signed)

- ISD will then need to test the environment and run some pilot projects

- Estimated go live date November 2012