



# DATA SHARING INFRASTRUCTURE

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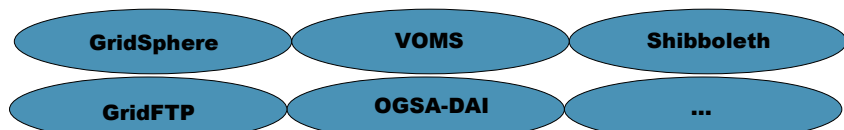
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On behalf of the SINAPSE Collaboration



**SINAPSE is the *Scottish Imaging Network: A Platform for Scientific Excellence*. Its objectives are to develop imaging expertise, support multi-centre clinical research in conjunction with the clinical research networks, improve the ability of neuroscientists to collaborate on clinical trials and have a direct impact on patient health.**

**Build on existing solutions when possible.**



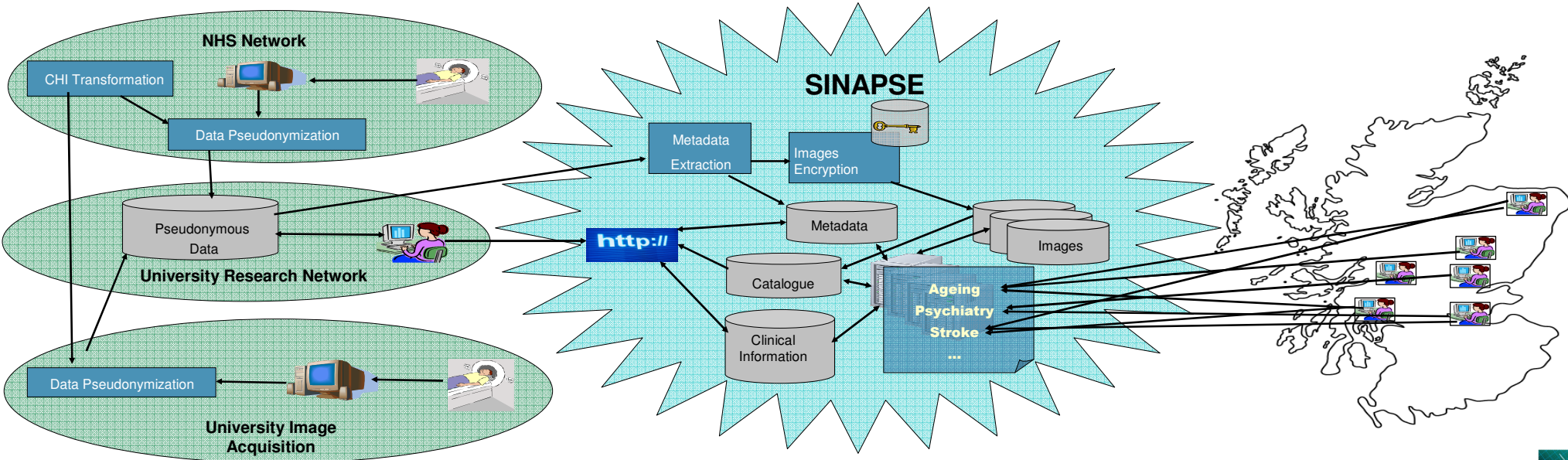
**SINAPSE services will be deployed in a centralised centre and will be based on rented resources. This has the following advantages: lower costs, flexibility, low depreciation on investment, and professional support.**

## E-Infrastructure Objectives:

- **Data Protection Act compliance.**
- **Single sign-on.**
- **Dynamic Virtual Organizations with role based access.**
- **Sharing data and tools across Scotland.**
- **Project-specific services can be build on top of a set of basic services.**

## BENEFITS

- |                                     |   |   |
|-------------------------------------|---|---|
| <b>Pseudonymous research data.</b>  | → | <b>Easier data protection compliance.</b>                           |
| <b>Dedicated central resources.</b> | → | <b>Research centres will need only small hardware investments.</b>  |
| <b>Images encrypted.</b>            | → | <b>Reassurance of secure research data</b>                          |
| <b>Customizable services.</b>       | → | <b>Adaptable to different types of data (DICOM, EEG) and tools.</b> |



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