



Developing a hub for e-Social Science in NZ: Linking the GRID with emergent social data technologies and networks

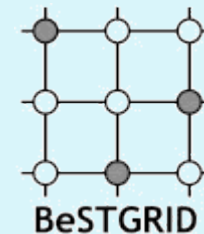
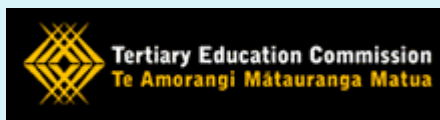
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**THE UNIVERSITY
OF AUCKLAND**
NEW ZEALAND
Te Whare Wānanga o Tāmaki Makaurau

Building KAREN Communities for Collaboration

3 July 2007



Presentation overview

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- Project overview; partners, components and objectives
- Business service model
- Data service setup
- Middleware – Nesstar
- Benefits of GRID/KAREN to service
- Issues
- Using the service – more information

- Questions?

TEC Data Service Project

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- ❑ Development/pilot project
- ❑ “Developing a hub for e-Social Science in NZ: Linking the GRID with emergent social data technologies and networks”
- ❑ Start date 1st July 2007; project term 12 months
- ❑ Funded by the Tertiary Education Commission (TEC)
- ❑ Data service proposed name – SSDASH; “Social Science Data Archive Service House”

Parties/Partners



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- Internal – The University of Auckland’s Departments of Sociology, Statistics and Political Studies, and BeSTGRID
- External – AUT, ASSDA, Statistics NZ
- Advisory – BRCSS, Massey, Canterbury, Data Saving and Sharing Committee (SPEaR, MSD)

Project Aims/Vision

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- ❑ Develop an advanced social statistics data service utilising BeSTGRID and other remote access technologies in NZ and overseas
- ❑ Develop NZ's research infrastructure in line with global best practice and create a distributed data archive with state-of-the-art cataloguing & access
- ❑ Improve the speed and capacity for data cleaning & compilation, analysis and dissemination
- ❑ Maximise Public Good Funded research investments by providing a facility for saving and sharing data

Project Objectives

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- ❑ Integrate with GRID nodes (via BeSTGRID) capable of functioning as a research access point.
- ❑ Enhance supply of social science data to GRID-linked researchers
- ❑ Enhance demand for, and capability in use of, GRID-enabled data services

Project Components Overview

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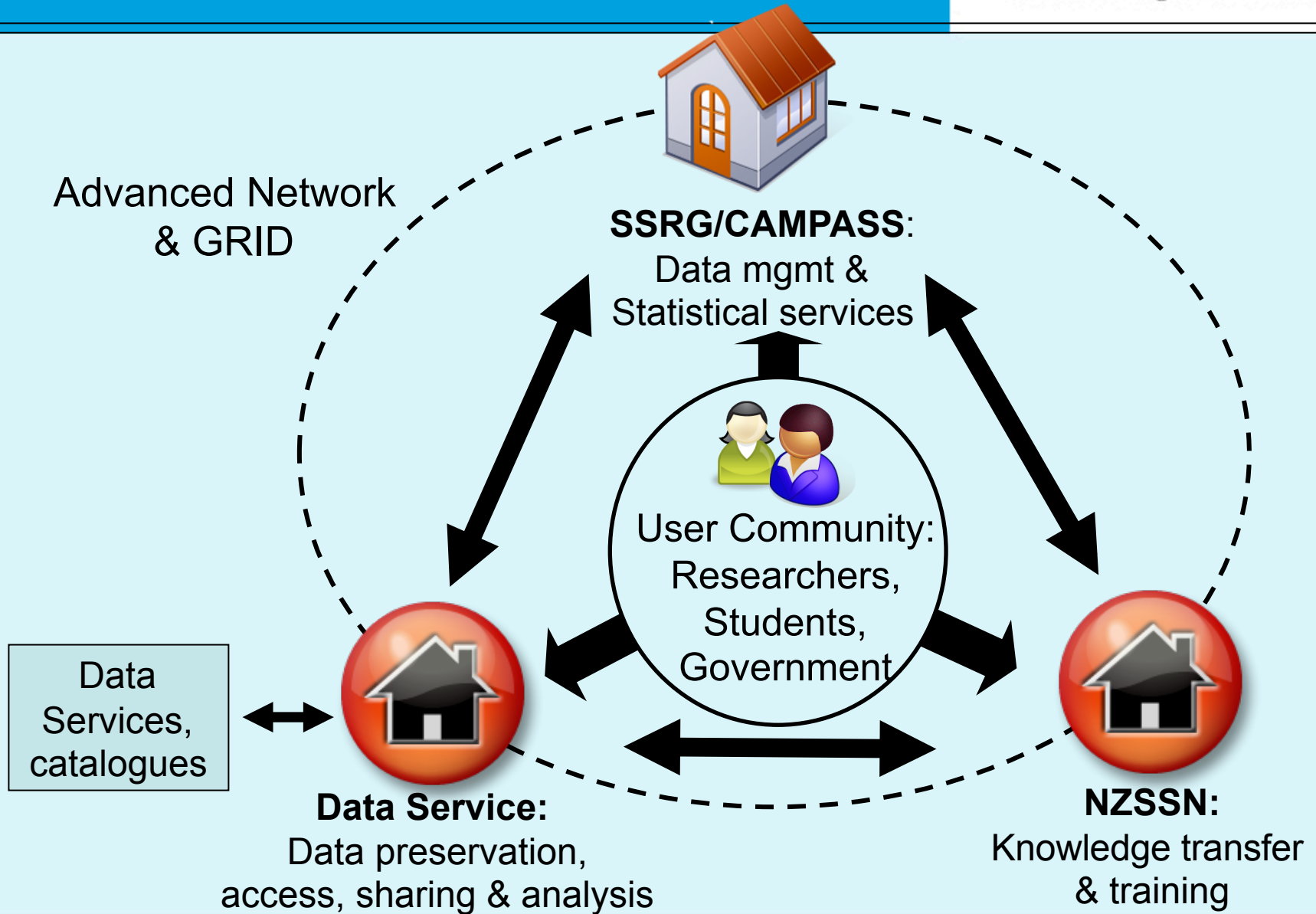
- ❑ **Data acquisition and preservation**
 - ⊕ Using international standards, protecting, enhancing and extending research investment value
- ❑ **Awareness and usability**
 - ⊕ Promoting data archive services use including seminar and training programmes
- ❑ **Increase data accessibility**
 - ⊕ Delivered through secure Internet and BeSTGRID
- ❑ **Analytical capability**
 - ⊕ Providing the access point and training required to analyse social data
- ❑ **Workforce and demand**
 - ⊕ Increasing the capability of the research workforce, both public and private, to analyse complex databases

Business Service Model

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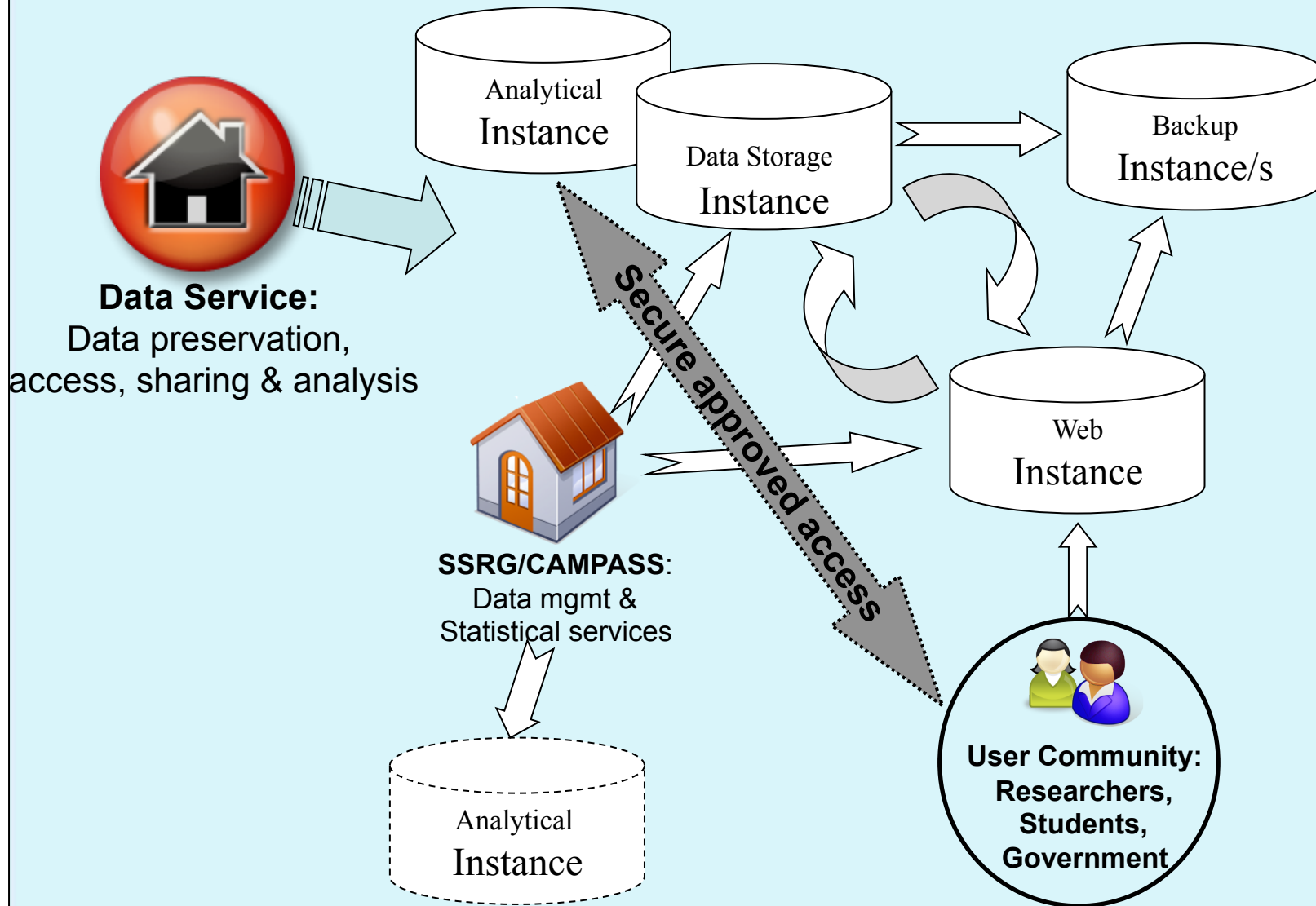


Data Service Setup

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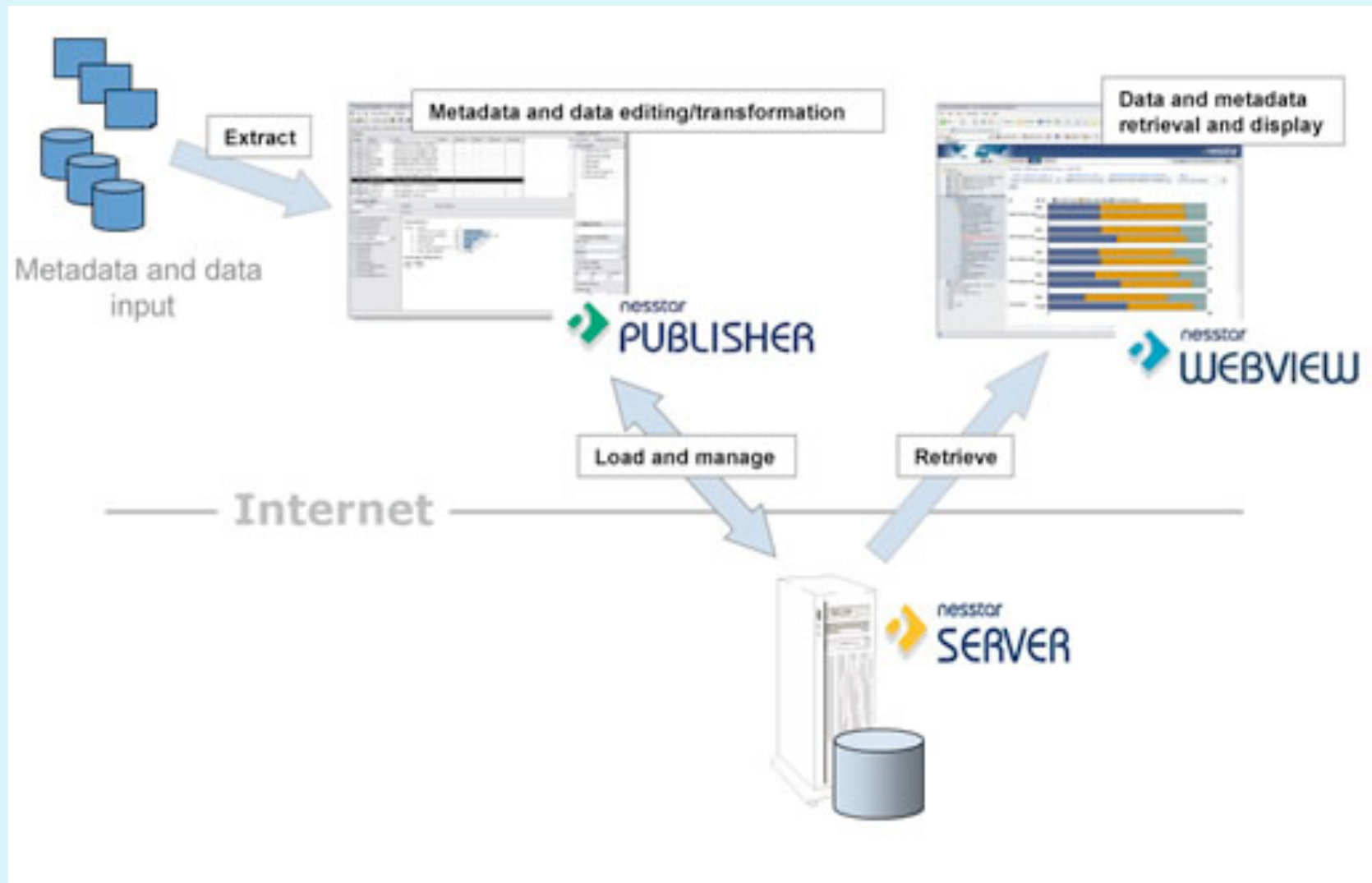


Middleware – NESSTAR

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Benefits: GRID Technology and KAREN

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- Enable greater computing capacity
- Speed up computationally intensive queries
- Enhance potential for inquiry
 - More complex questions
 - More data
 - More complex methods
 - Faster results
 - Better outcomes
 - Greater representation, larger datasets/samples
- Collaboration – national, international
- Distribution – nodes and ownership

Benefits: Data service and integration

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- Preserves and protects NZ research investments
- Improves efficiency – use and reuse of databases for research and teaching
- Increases options for postgraduate, and undergraduate studies
- Reduces inequalities - access to key resources for education
- Increases real life teaching opportunities – projects, activities and examinations
- Improves the ability to plan research activities via highlighting gaps in knowledge.
- Enables strong international partnerships in research and research education
- Utilises emerging technologies for the social sciences in NZ
- Encourages co-operation between researchers
- Encourages consistency in data collection

Issues: Data service and integration

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- Uptake and sustainability
- Maintaining confidentiality
- Maintaining public confidence - participant consent
- Investigators control of data
- Intellectual property
- Overstretching analysis – appropriateness
- Reporting and public perception
- Development and implementation of policies

Using the service – more info?

- ❑ Contact Daniel, d.patrick@auckland.ac.nz
- ❑ For further information about this and other projects of the Social Statistics Research Group, please visit:

<http://www.nzssn.org.nz>

Questions?