

Agenda

- Review of project creation
- Stage 1 project objectives and outcomes
- Stage 2 project objectives
- Current and future activities
- Q & A

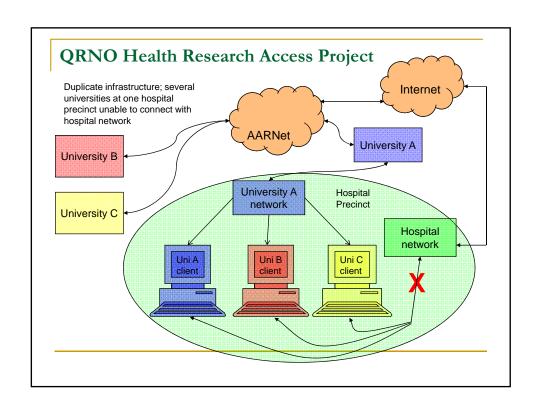
How did the project start?

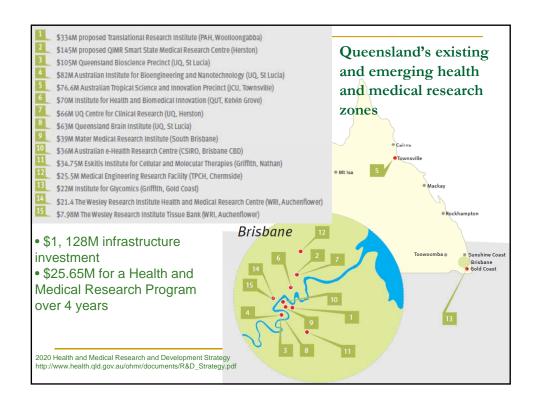
Recognised need to provide high-speed and reliable network access for university staff & students within hospitals and from hospitals back to their university and the Internet with minimal duplication of effort and infrastructure.

Why was this suddenly an issue?

Growing collaboration between universities, QH and private hospitals in:

- Research
- Joint staff appointments
- Student placements





Overall Project Aims:

Provide the best possible access to computing resources for staff, students and collaborating clinicians by:

- Implementing suitable network designs and architecture, support and cost sharing arrangements and access attainment
- Piloting and establishing wireless access points at key health precincts
- Formalising agreements with Queensland Health and private hospitals on the sharing of physical infrastructure.



Stage 1 - Discovery

- Determine who and what was out there
 - the number and university staff and student placements
 - university installed infrastructure at health precincts
- Develop a suitable network design and architecture to meet the needs of placed personal
- Establish
 - Common support model
 - Process for obtaining network access
 - Possible cost sharing model

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Stage 1 - Discovery (Cont'd)

- Important relationships developed with a range of "health" staff in universities, Qld Health and the private hospitals.
- Involved in the IT infrastructure planning for the new SEQ hospitals at Gold Coast, Kawana Waters and South Brisbane.
- Involved in other collaborative developments e.g. Translation Research Institute building at PAH

Results from In-scope Hospitals

Hospital	Admin staff	Academic staff	Clinical staff	Research students	Coursework Students	Total	Universities
Cairns	2	2	10	3	93	110	JCU, UQ, GU
Gold Coast	1	3	11	10	766	791	GU, UQ, QUT, JCU
Greenslopes	2	8	12	2	155	179	UQ, QUT, GU, CQU
Ipswich	1	U	7	D	197	205	UQ, QUT, GU, JCU, USQ
Logan	1	3	5	2	222	233	GU, UQ, QUT
Mackay	2	0	4	0	86	92	CQU, JCU, GU QUT, UQ
Mater (Bris)	10	6	29	20	G84	749	UQ,QUT, ACU, GU
Princess Alexandra	50	216	40	100	1203	1609	uq, cu, qut, icu, cqu
Prince Charles	3	4	21	17	750	795	QUT, UQ, ACU, GU, JCU, CQU
QE II	1	0	2	0	229	232	GU, UQ, JCU
REWH	150	155	98	212	2117	2732	QUT, UQ, GU, JCU
Rockhampton	0	1	16	0	102	119	CQU, UQ, JCU, GU
St Andrews (Bris)	0	0	2	0	103		ACU, QUT, UQ
Toowoomba	5	1	92	1	149		UQ, USQ, GU, JCU, CQU
Townsville	5	7	10	10	132		JCU, GU, UQ, QUT, CQU
Tweed Heads	0	0	0	0	30		GU
Wesley	0	8	13	3	296	320	QUT, UQ, ACU

Total of Administrative, Academic / Research, Clinical Academic, Coursework & Research Students = 11618

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Stage 2 - build on in-principle agreements

- From Queensland Health
 - To share cabling infrastructure and network equipment space
 - To share wide area links (fibre) where possible
 - To establish wireless access points on QH sites
 - To investigate with universities the viability of using a single PC with multiple virtual environments
- From Mater Health Services
 - To establish and trial wireless access

eduroam at Mater

- Timeline
- March 2009
 - Commenced planning and design work
- October 2009
 - Agreement reached for
 - Solution design
 - Maintenance and Support
- January 2010
 - MOU between QRNO and Mater Health Services signed

Mater /

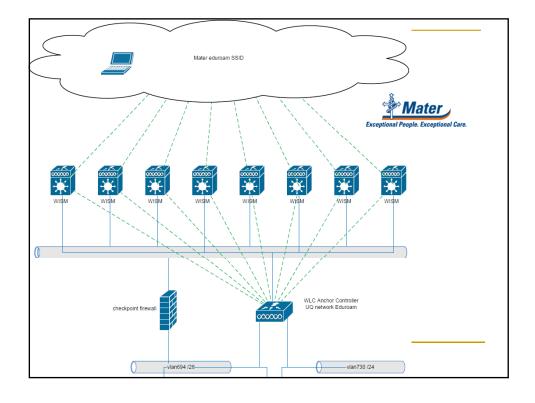
- Deployment and configuration
- February 2010
 - Go Live

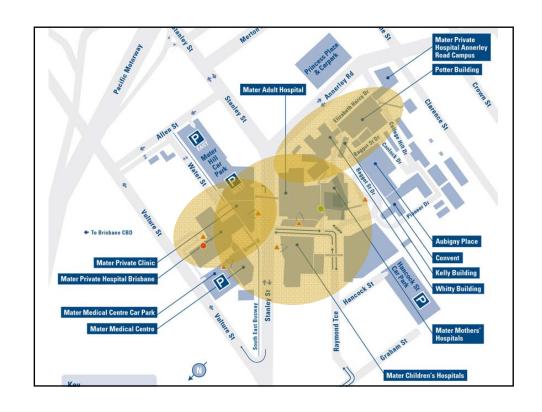


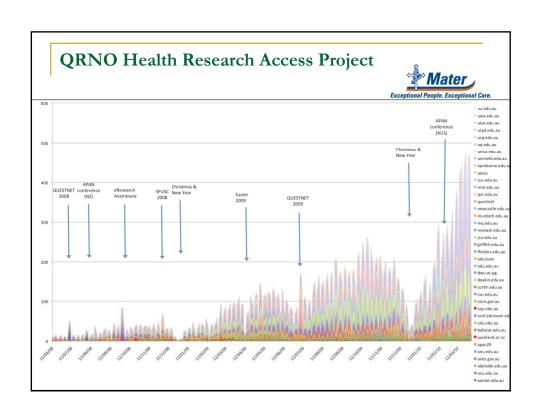
Eduroam at Mater

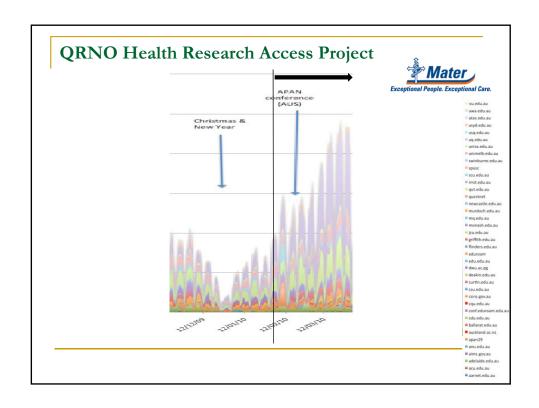


- Coverage encompass the Mater precinct at South Brisbane and Redlands Private Hospital
 - Over 800 wireless access points
- Mater is the first hospital with eduroam in Queensland and the largest in Australia
- Equipment and Network engineers costs ~\$15,000
- Number of placements 750 (2008 numbers)









Eduroam at Mater



- Issues during development and deployment
 - Design finalisation and security concerns
 - Wireless is seen as mission critical by the business
 - Projects within Mater being delivered by end of 2009
 - Availability of Mater and QRNO technical staff to provide support
 - "Everything (else) before Christmas"
 - Mater staff getting one week notice for a full shutdown of a data centre
- Issues post deployment
 - Anchor controller configuration causing issues with reporting

University Access Services Project (UniConnect)

 In 2009 Queensland Health committed \$1.1M to establish the UniConnect project. Result of strong linkages established with QH through; Bronwyn Nardi, Shaun Travis, Ray Brown, Queensland Health Education and Research Council. Clinical Education and Training Queensland (ClinEdQ)



- Two major objectives
 - Trial of eduroam at QH precincts
 - Business analysis and requirements gathering regarding research and T&L to inform further work

QRNO Health Research Access Project

University Access Services Project

- Project Phases
 - Phase 1



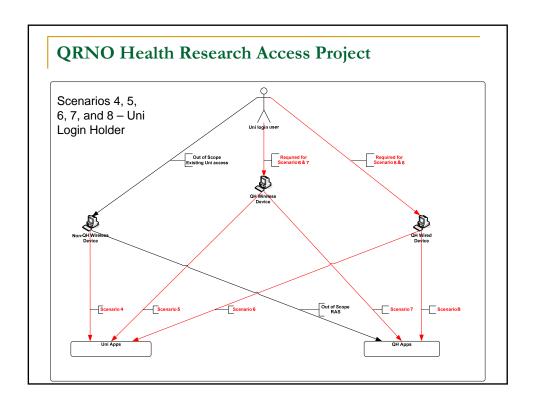
- eduroam service implementation as the 'anticipated' solution
- Phase 2
 - Address business requirements to connect via a QH wired device to University and QH network resources

University Access Services Project



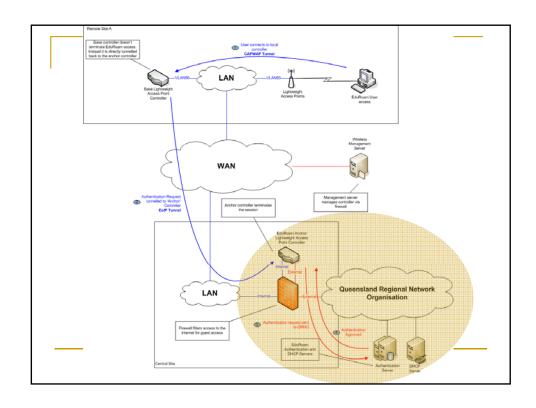
- Project Dependencies
 - Wireless Network Provisioning project
 - Network Segmentation and QOS project
 - HRA project

QRNO Health Research Access Project Scenarios 1, 2, and 3 — Joint Logins Holder Out of Scope Existing Uni access Device Device Device Cot of Scope Existing Off Scope RAS Device Cot of Scope Existing Off Scope RAS Cot of Scope Existing Off Scope Existing Off Scope RAS Cot of Scope RAS Cot



University Access Services Project

- Queensland Government Queensland Health
- eduroam design and deployment
 - 3 weekly meetings between QH, HRA and QRNO TAC
 - Design architecture drawn up
 - Business case, benefits realisation drafted and ready for sign off
 - Final design prepared for sign-off, some issues still to be worked through
 - Support models
 - Filtering



University Access Services Project

- eduroam hubs
 - Investigating two in Brisbane for redundancy
 - PA and RBWH
 - Possibly a hub in Townsville if required



- Proof of Concept site still to be confirmed
- Then sites as they are connected to the new QH central wireless control system
 - Priorities sites include:
 Cairns, Townsville, Mackay, Royal Brisbane and Women's Hospital, Redlands, The Prince Charles Hospital priorities: eHealth trial districts – Late 2010/Early 2011



University Access Services Project

- Other pieces of work on the radar
 - Joint Facilities
 - Translational Research Institute
 - UQ Oral Heath
 - Gold Coast University Hospital
 - Target dates, mid 2012 for TRI, end 2012 for GCUH
 - How do we implement a solution for the sharing of a single physical infrastructure?

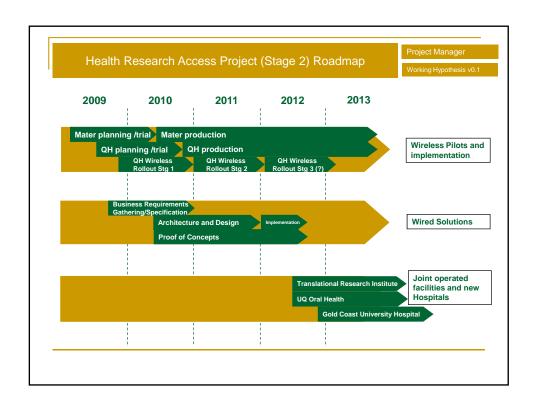


University Access Services Project

- Other pieces of work on the radar
 - Fibre sharing with QH
 - Has been discussed and receiving Queensland Health in-principle support
 - Awaiting advice/approval from the CIO's office
 - Look at dual desktop and application presentation as opportunities present themselves



Queensland Health



QRNO Health Research Access Project (Stage 2)

Fibre Tails to Hospitals

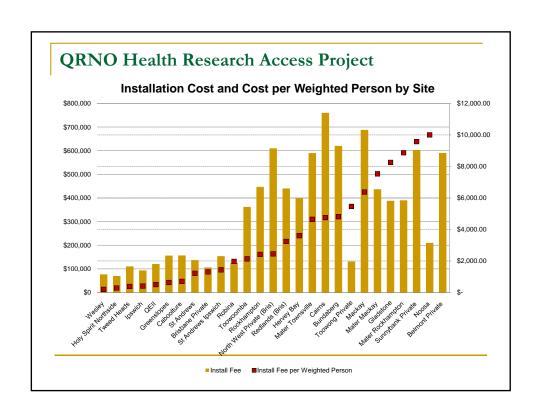
- Motivation
 - Allow QRNO traffic to be routed from QH sites reducing impact on QH network
 - Have 'shovel ready' QRNO/AARNet project prepared
- List provided to AARNet for hospitals without fibre links and more than 20 placements
- Sought budgetary estimates for site to uni connections



QRNO Health Research Access Project (Stage 2)

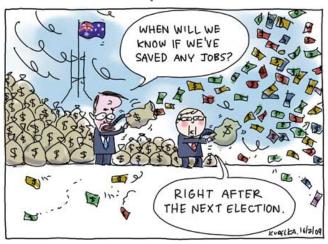
Fibre Tails to Hospitals

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Regional	Metropolitan			
Cairns	Wesley			
Atherton	Greenslopes			
Bundaberg	QEII			
Gladstone	Holy Spirit			
Gympie	St Andrews			
Hervey Bay	Tweed Heads			
Hillcrest Private	Robina			
Mackay	Holy Spirit Northside			
Mareeba	Belmont Private			
Mater Mackay	Brisbane Private			
Mater Rockhampton	Caboolture			
Mater Townsville	North West Private (Bris)			
Nambour	Redcliffe			
Noosa	Redlands (Bris)			
Toowoomba	St Andrews Ipswich			
Proserpine	Sunnybank Private			
Rockhampton	Toowong Private			
	Ipswich			



QRNO Health Research Access Project (Stage 2)

Fibre Tails to Hospitals





http://www.theaustralian.news.com.au, last accessed 23 March 2009

QRNO Health Research Access Project

HRA Web App Re-development

- Current work
 - Finalisation of Documentation, specifically userguides
 - Some changes made to improve workflow
- Investigating possibility of direct import from data being collected as part of the National Health Workforce Taskforce
 - Data will need to be de-identified
 - ClinEdQ advised initial data collected late last year was unreliable
- Snapshot data now 2-3years old
 - Preload of student data would require universities to only update their research and staff data
 - https://hra.nms.griffith.edu.au/index.php



Questions?



Comments!