



Smart Homes, Safer Living: Technology
Enabling Independence at Home
*...Lessons from the Regional Futures
Smart Home Pilot*

Presented by:
Graham Russell
ITAC - 7 May 2026



Why does smart home care technology matter?

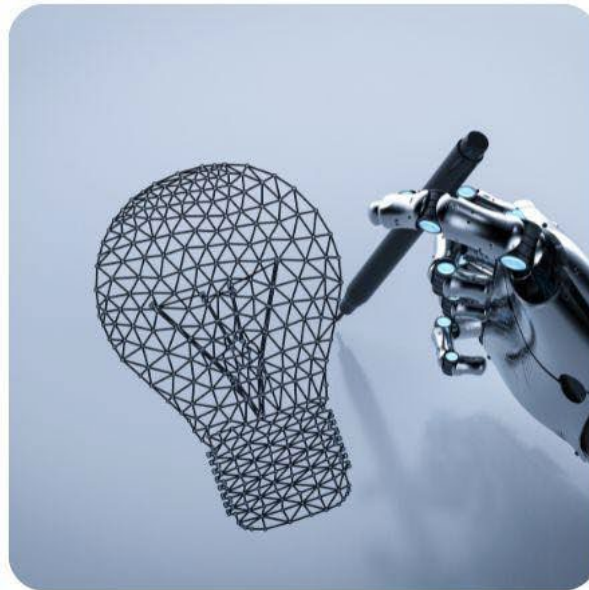
- Provides a **safety-net** for vulnerable consumers, especially those living alone
- **Support at Home** addresses the demand to age in place
- **AT-HM** separated technology supports funding from services
- Pressures **on work force, travel time and service delivery** regional, rural and remote areas
- Care providers have **limited visibility** of client wellbeing between visits especially on the lower-level funded packages
- Beyond PERs to mPERS & sensors – future technologies will provide smarter support in and out of home.



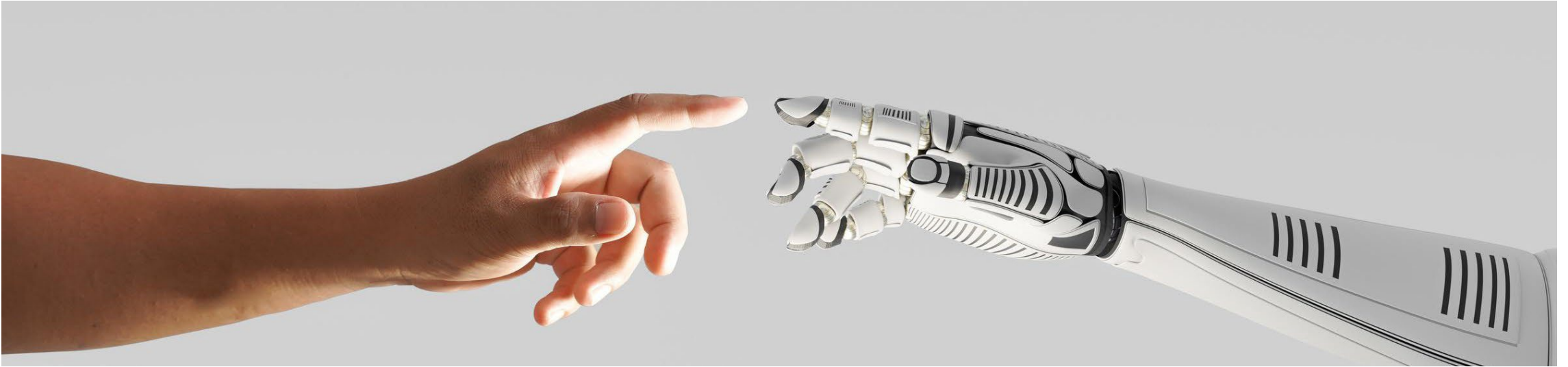
GLOBAL COMMUNITY RESOURCING

REGIONAL LIVING LAB FOR INNOVATIVE TECHNOLOGY IN COMMUNITY CARE

REGIONAL FUTURES - COLLABORATIVE PROJECT



regionalfutures@communityresourcing.com.au
0499 006 729



OVERVIEW

Regional Futures Collaborative Projects

About the Project

- Developed and project managed by Global Community Resourcing
- Addresses social isolation, supports marginalised groups, and promotes technology and economic diversification.
- Develop a collaborative space in Redland City to develop solutions for marginalized communities, including Forgotten Australians, people experiencing homeless, First Nations People, older people, people with disabilities, women, and those with mental health issues.
- Partnering with local organisations and experts, it aims to improve health outcomes, drive economic growth, and create jobs, positioning Queensland as a leader in care innovation.

THE PROJECT

Local problem

Social Isolation, loneliness/lack of social connection, unemployment, challenges of marginalised group in accessing appropriate care = **adverse physical and mental health outcomes**

Challenges:

- Social Isolation
- Lack of targeted support
- Limited Access to essential services
- Barriers to participation
- Ensuring practical and impactful innovations

Barriers

- Lack of awareness/understanding
- Limited funding/resources
- Resistance to change
- Insufficient infrastructure



Local Opportunity

Ensure solution development informed by robust, evidence-based research by building on established regional innovative ecosystems and strategies

Using the local council's stronger community strategy and age-friendly plan to support community cohesion and enhance quality of life for residents

Competitive strength of region

Robust & diverse local economy

Reputable healthcare facilities Ongoing infrastructure projects

Innovative solutions

Living Lab

Smart Technology integration

Updating existing technologies

Solution relevance

Research dissemination

Practical demonstration

Online resources

Collaborations brought together by Global Community Resourcing

- Extensive alliances with local communities, regional aged and community care providers, and specialist technology providers
- **Primary Focus:** Health and Community Care
- Incorporated Approach to Economic Participation
- Future workforce considerations

Ethics Approval SUHREC 20247736-19360



Proudly supported by the Advance Queensland initiative



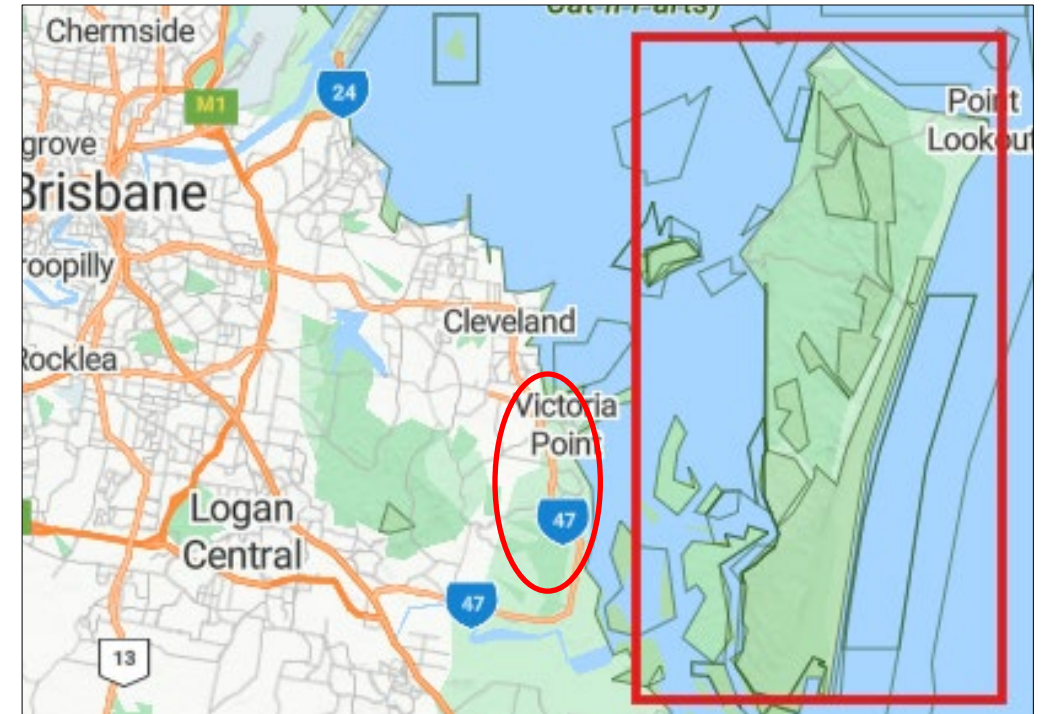
Assistive Technology

- Communication Inter-island tech trials implementation
- University of Queensland
- **Smart Home Technology - Range of Commercial Providers**
- Robotics for activities of daily living and communication
– Queensland University of Technology
- Digital inclusion training and resources delivered through Endeavour Foundation and partners
- Other technologies being considered



About the Regional Futures Smart Home Pilot

- Trialled a **variety** of smart home/care devices
- Demonstrating to government that a **remote care model** can be effective for regional and remote communities
- Recruited **10 participating households** supporting 13 individuals
- Macleay, Russell Is., Lamb, Stradbroke Is., Redlands
- Supporting a range of risks and needs: **lone worker, disability care, aged care.**
- Family or informal caregiver engagement
- **Operated 28 Nov to 28 Feb 2026**



Our Partners

- **Talius** provided the smart home kits and coordinated sponsorship of services & additional products from:
- **Intelligent Monitoring Systems (IMS)** – 24/7 Emergency Response Monitoring
- **Jim's Antenna's and Security** - installation
- **CareWindow** – provided CareWindow hubs and CareWindow management platform



The Smart Home Technology

Devices:

- 4 x Talius Personal Alarm Kits + fall detectors
- 2 x Talius Safer Smarter Home Kits
- 2 x LifePod Mobile personal alarms
- 1 x SleepSense (Ballistocardiograph)
- 2 x CareWindows

Services

- 24/7 Emergency response monitoring (all alarms) and GPS tracking (mobile alarms)
- Talius “Wake & Well” SMS to Family & Friends
- Vericare SleepSense Dashboard
- Talius Health Dashboard



Outcomes & Feedback

Participation

- 1 participant unfortunately passed away and 1 voluntarily withdrew
- 2 participants have received ongoing funding via the Forde Foundation
- 10 were unable to continue due to lack of funding available

Devices Usability

- 3 would have preferred a lighter watch style mobile device
- The technology was able to work in low signal areas even through there was the odd dropout – finding the right spot in the house was key
- Good Battery support and fast charging is essential due to regular power outages
- Generally, devices were very easy to use

Experience

- Having the 24/7 emergency monitoring and response service is essential
- Participants generally cited feeling safer and supported
- Family and informal care givers appreciated the wake & well messages – peace of mind



Quick Stats

📞 26 Test Calls Completed

🚑 0 Ambulance Callouts

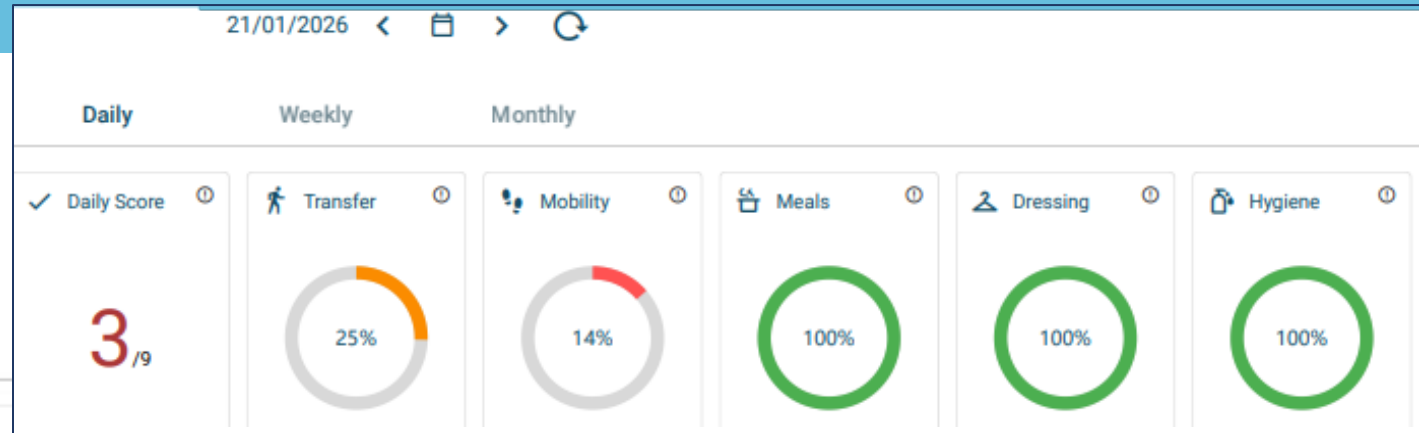
⚡ 7 Power Failures Managed

📱 445 Wake & Well SMS Sent

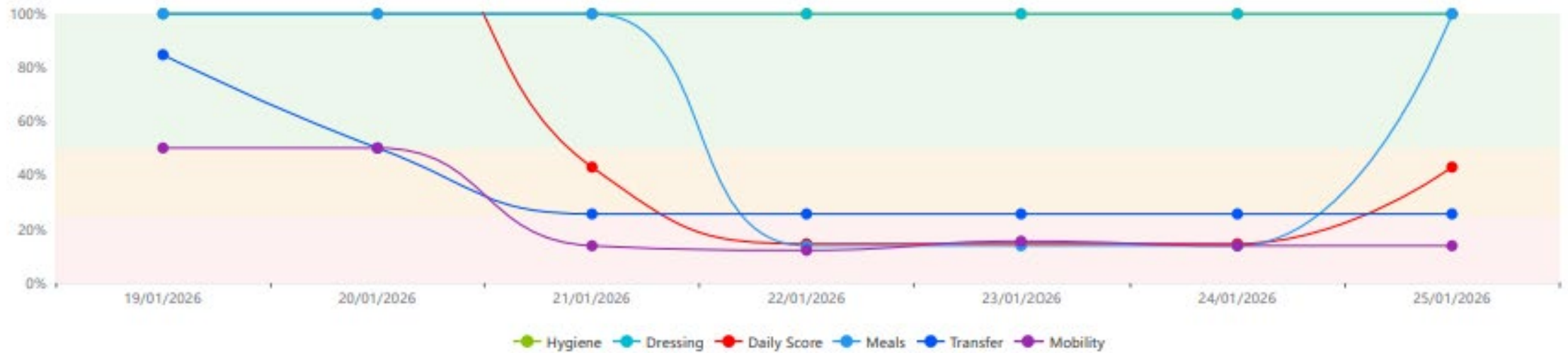
📊 7K+ Activity Data Points Generated



Data Examples – CSIRO OADL



ADL Score Trending



Category selection

Fall Alerts

Emergency Call

Activity Alerts

Door Open (Front)

Door Open (Other)

Kitchen

Meal Preparation

Dressing

Toilet

Bathroom

Out of Home

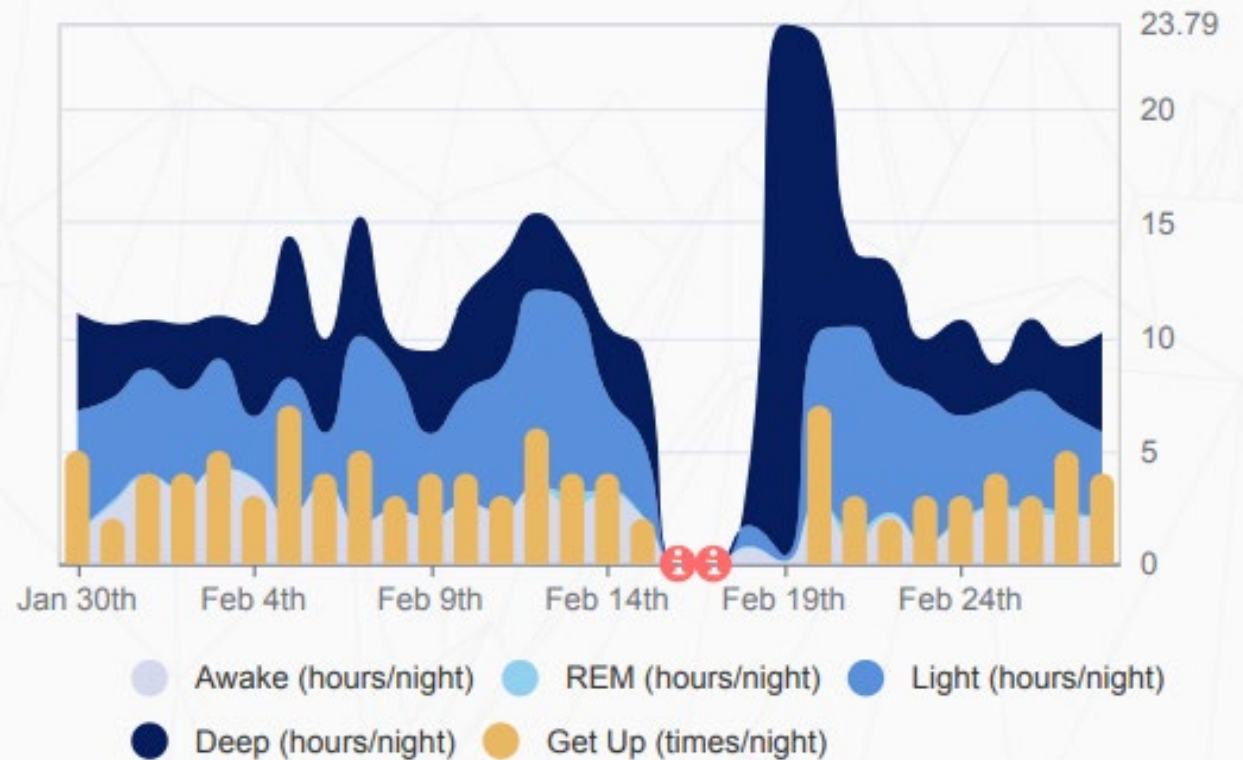
Data Examples – Michael's Sleep Sense

Nighttime In Bed & Get Up



Average In Bed Time: 12 h 00m /night
Average Sleep Time: 9 h 41m /night
Average Get Up Count: 4 /night

Daily Sleep Time



Participant Feedback

'It was good knowing that when I was alone there was a system in place letting my carers know my movements'

I feel more confident that help is close. My daughter appreciated her notification that I was mobile. It reminded me to take more care

Mum often works alone out on large properties and if anything happened no one would know where she was – but now I can ping her LifePod and know where she is any time during the day.



Participant Feedback – Michael & Janet



Participant Feedback – CareWindow



“The **CareWindow** was fabulous for mum it enabled her to easily video call family and friends. She was a lot less lonely while our busy family went about our day. I could use the App to check in with her while I was out and literally see she was doing okay. ”

What we learned and what next

Lessons Learned:

- Coordinating installation logistics is challenging – ferry, barges, taxis, walking
- **High installation costs** – necessitates coordinating as many installations in one visitation to an area
- **Mobile alarms are more popular** incl. falls detection – Lightweight, long battery life, nicer looking
- Postage and **remote installation support**, and leveraging family where possible is key
- **Robust technology** withstanding power outages and GSM signal loss is important

Next Steps:

- Pilot report and recommendations to government
- Support home care organisations - how to use home/care technology data
- Develop a supported clinical care model



...delivering technology by ferry for the
Regional Futures Smart Home Pilot.

The opportunity for Home Care Providers

Industry est. +500K older people with a PERS/mPERS and approx. 2/3 are monitored

- **Data** produced by smart home/care devices is very useful to your operations and care planning
- **Visibility of** activity/inactivity, proof of life, ambulance, hospital admissions, falls and other injuries or illness, psycho-social issues, cognitive decline, abuse, power outages, natural disasters, social isolation, device maintenance requirements...
- **Uses** - service adjustments, care planning, assessments, SPRs
 - prioritise face-to-face services especially in RRR areas.



Implementing home/care tech data management

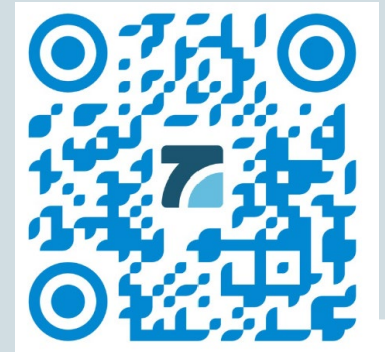
- **Analyse** your current client base – who has a monitored alarm/care devices
- Develop a **policy & process**
 - **Permission** to access the data – client agreements or device onboarding form
 - Engage with tech service providers, UI and arrange for your client **data transmitted** daily/periodically
 - **Plan** how to **receive, triage** (review-prioritise-action) and **manage** the data and imbed in your current process flows **Trial** - select a provider to trial the process before fully rolling out
 - **Change management** – triage & coordination, case managers, allied health, clinical team
 - **Evaluate** – capture the improvements in care planning, increased SPRs, increase client satisfaction.





‘Smart home care technology is a powerful enabler for care — but its true value lies in how we use the data to drive action and how we embed it into care delivery.’

For any technology or pilot queries contact:



Presented by:

Graham Russell

Sales Director, Talius Group

E: graham.russell@talius.com.au

P: +61 438 391 914



Prepared by:

Lisa Capamagian

Health Technology Consultant, Talius Group

E: lisa.capamagian@talius.com.au

P: +61 405 191 870



Regional Futures Collaboration Project Team

E: regionalfutures@communityresourcing.com.au

M: 0499 006 729

Anne Livingstone, Project Director:

E: anne@communityresourcing.com.au

M: 0499 006 729

