

Identifying and improving access to healthy food for families and children

Using spatial capabilities and a collaborative approach

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Who am I and what do I do?



- GIS Coordinator 0.8 EFT
- Pitney Bowes
 - MapInfo Professional
 - Exponare → Spectrum Spatial Analyst (SSA)
- Maintain Corporate GIS
- Assign property addresses
- Liaise with Spatial Services Department @ DELWP
- Special projects Internal/external





Demographics

Background

Objectives & Project Plan

Process

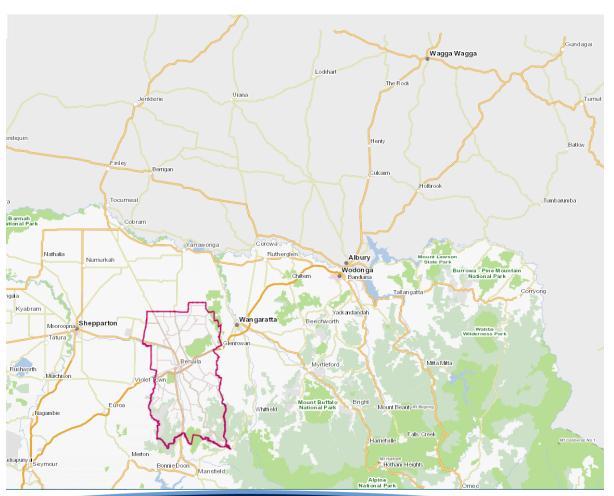
Outcomes

Future

Conclusion

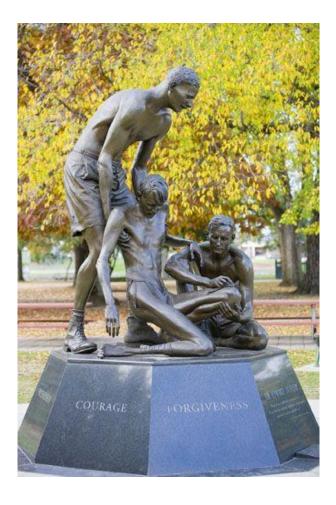






2,354 Sq Km 13,975 residents





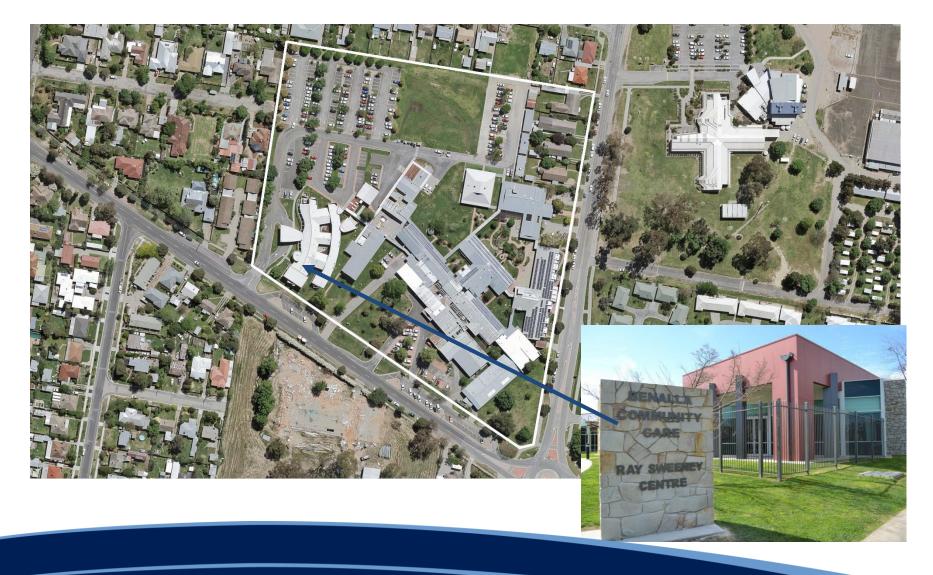




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Benalla Health and Community Care RURAL CITY



Demographics – what we know

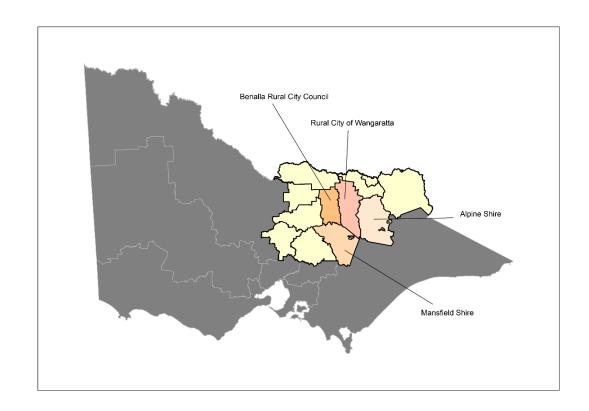


- Large proportion of public housing
- Large number of single families
- Low income/welfare dependent households
- SEIFA Social Economic Indexes for Areas relatively low state decile
- Lack of public and private transport
- And high costs of healthy food



Background

- Central Hume Primary Care Partnership
- Within Hume Region
- LGA's
 - Benalla
 - Alpine
 - Mansfield
 - Wangaratta



Background



- Central Hume Primary Care Partnership Healthy
 Eating Plan 2012-2017
- Benalla Rural City Municipal Health & Wellbeing
 Plan 2014-2017
- Part Council Plan 2013-2017

Background





Kathryn McQualter – Benalla Health Dietician in one of the community gardens

Objectives – Map



- Registered food businesses within LGA
- Identify essential and non-essential outlets
- Type of business / outlet
- SEIFA areas
- Create 500 metre food desert buffers
- Public transport routes
- Provide maps

Project Plan

Job number: ____

INTERNAL GIS REQUEST



BRC DEPARTMENT DETA	AILS:		
Name of Department			
Name of Officer		Position	
Email Address		Ext	
Signature of Department C	officer		Date//
NAME OF JOB PROJECT	/ REQUEST:		
I			
BACKGROUND & OBJEC	TIVES: (Brief description of re	equest)	
IOD DESCRIPTION:			
			to be supplied a "Supply of Digital Data External Digital Data Request Form.doc
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AREA TO BE EXTRACTE	D: (attach map of area &/or a	ny other su	pporting information)
DATASETS REQUIRED: (i.e. aerials, cadastre, road nam	ies, topograp	hical etc)
FINAL FORMAT/ USE RE			2014151174
PDF / JPEG / WORD / EXCEL	MAPINFO CORPORATE VIE		COMMENTS:
PUBLICATION / DOCUMENTATION	MAPINFO PROFESSIONAL TAB/WORKSPACE FOR		
WEB, etc.	ONGOING MAINTENANCE		
RESOURCES:			
DOES THE PROJECT NEED TO OUTSOURCED?	BE BUDGET ALL to be budgeted		sourced – cost needs \$ partment)
TIMEFRAME: (NB request	will be discussed with applic	cant to asce	ertain timelines)
DATE/S DUE	COMMENT/S		
REQUESTS TO: Jenr	y Levy – GIS Coordinator		
-	il: jenny.levy@benalla.vic.q	ov all Eve	657
	on this form, please attach		
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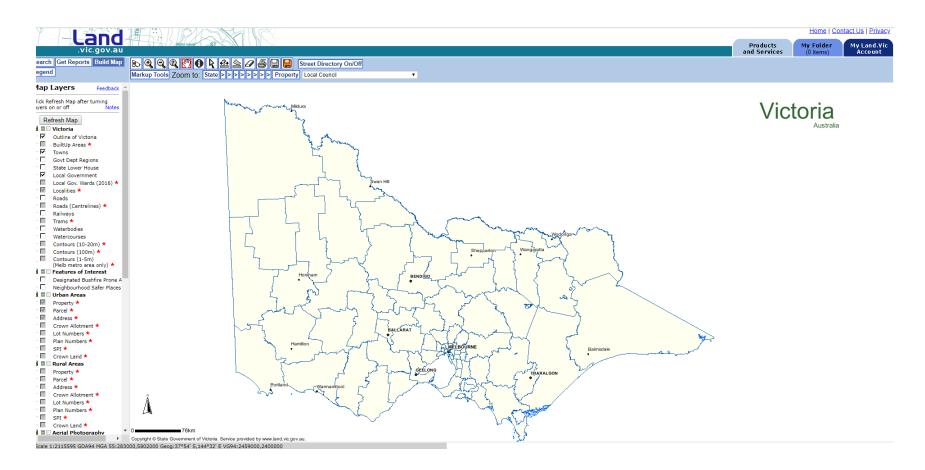


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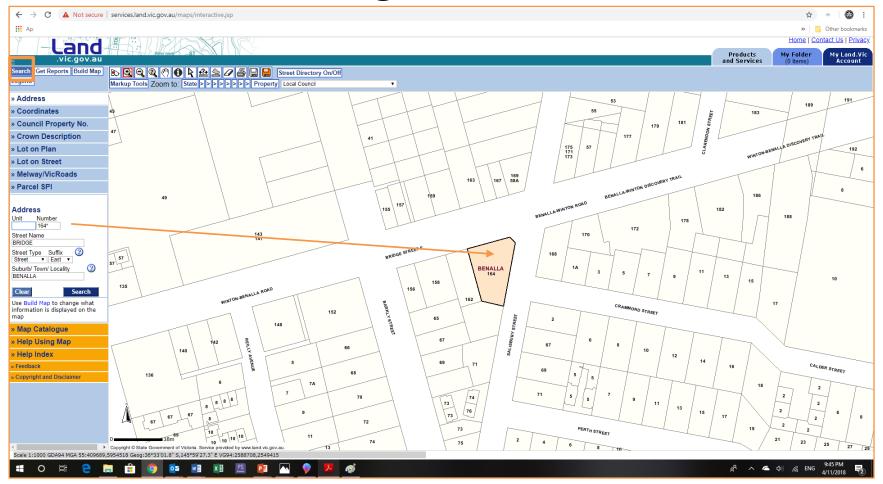
- Extract Councils Registered Food Outlets excel
- Categorise food outlets essential / non-essential
- Types of food business / outlets
- Identify common link to geocode into GIS
- Use DELWP public interactive maps portal to assist
- Trained people to use interactive maps



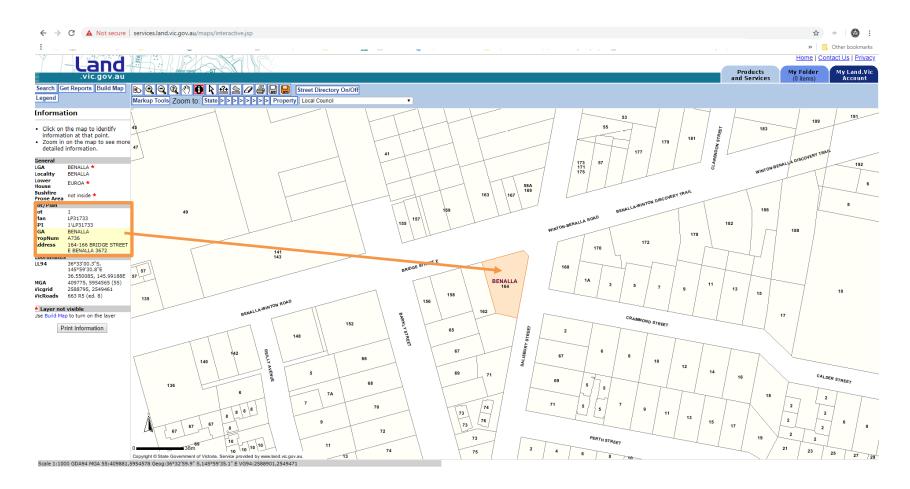


www.land.vic.gov.au (Interactive map)



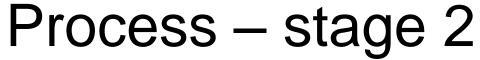




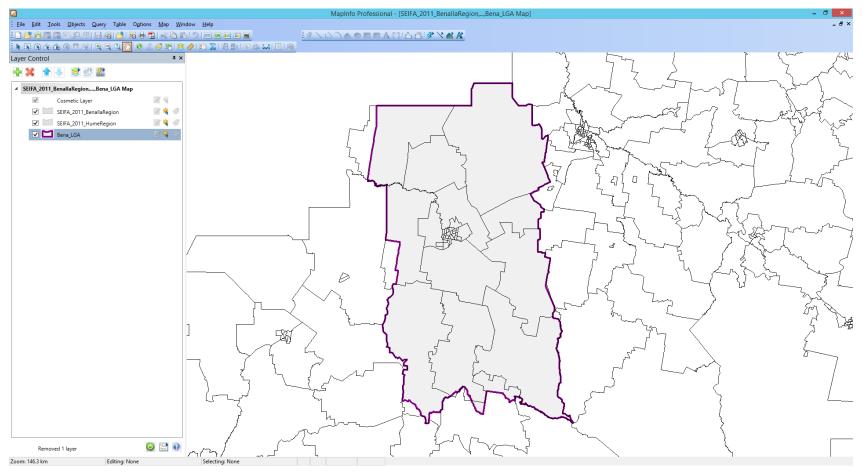




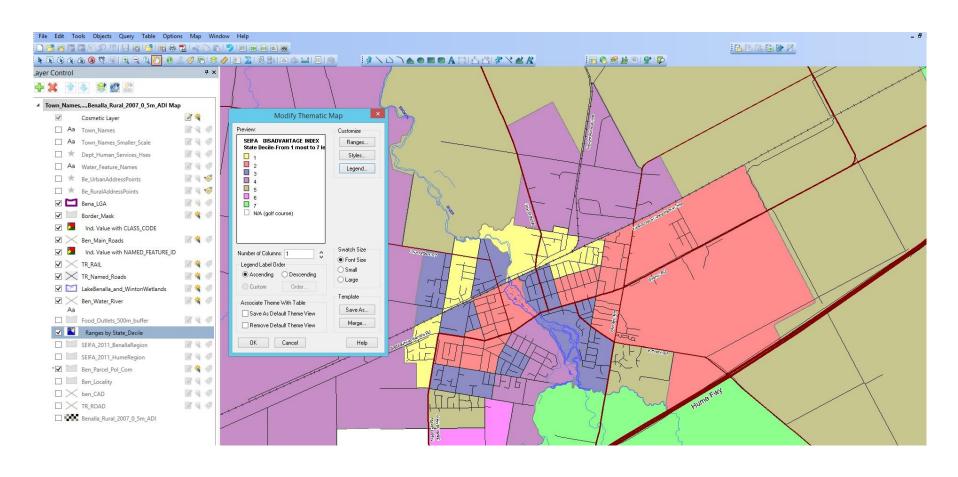
- Determine what spatial data held internally
- Australian Bureau of Statistics 2011 SEIFA data
- 2011 SEIFA boundary file (all of Australia)
- SA1 indexes (socio-economic Indexes)
- Break down to Hume & Benalla Region
- Translate to mapping files join





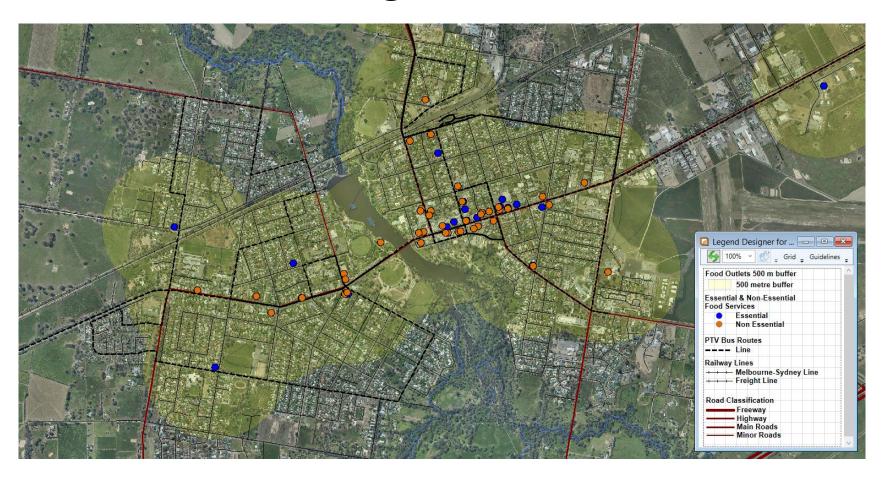






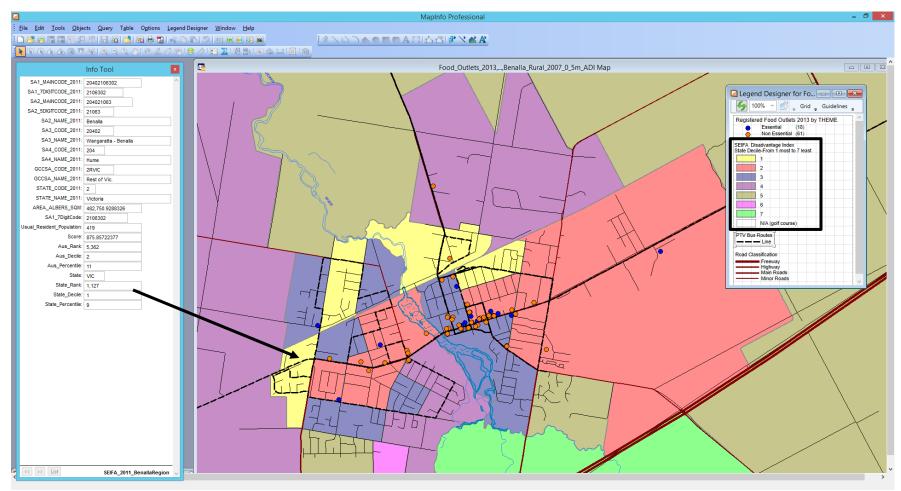






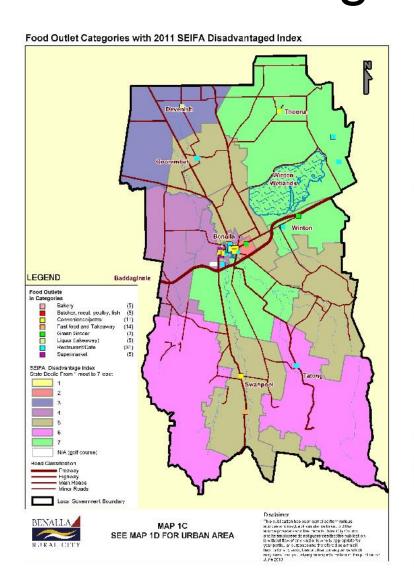


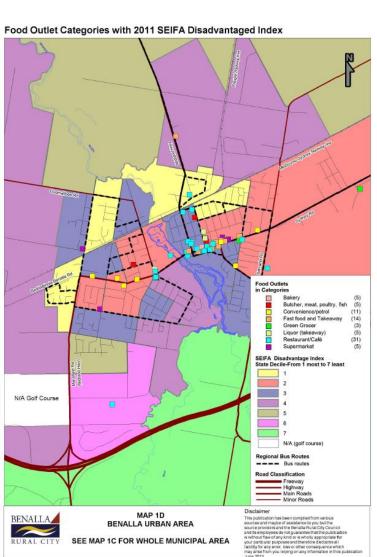




Process – stage 3A - 2013

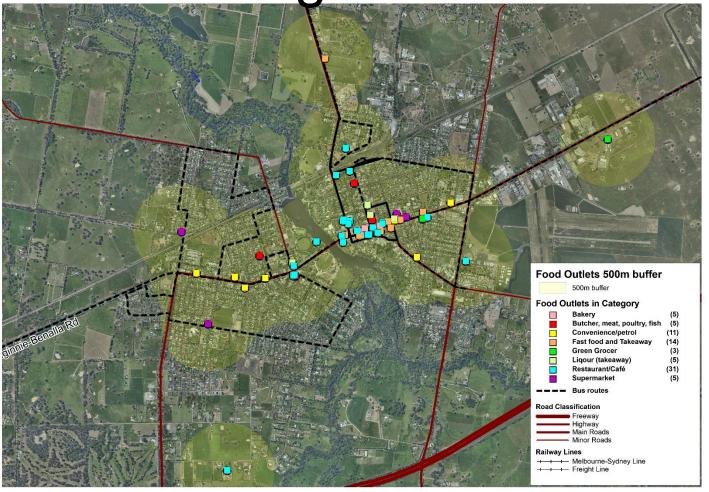








Process – stage 3A - 2013



Process – stage 3B - 2017



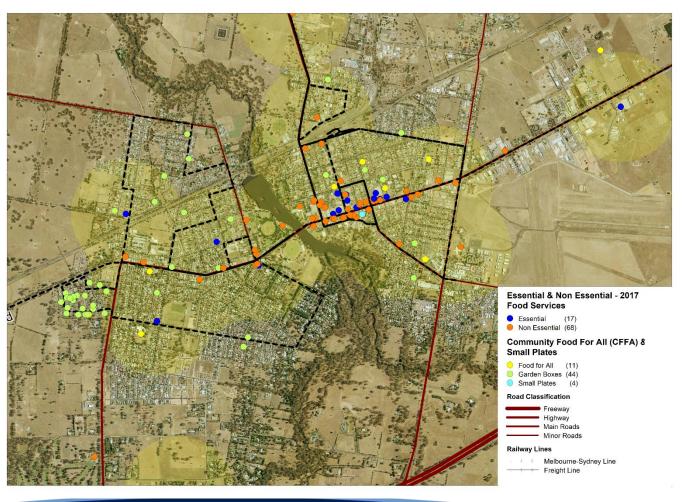
Wicking garden beds





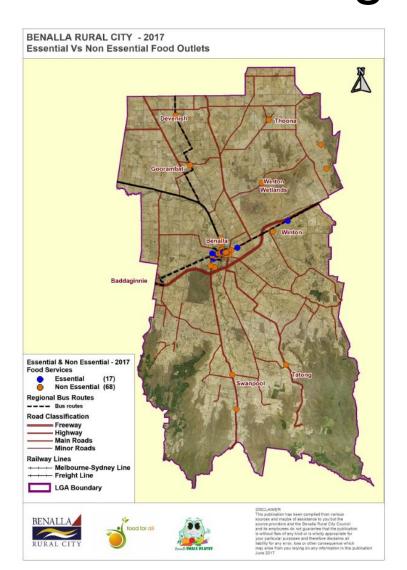


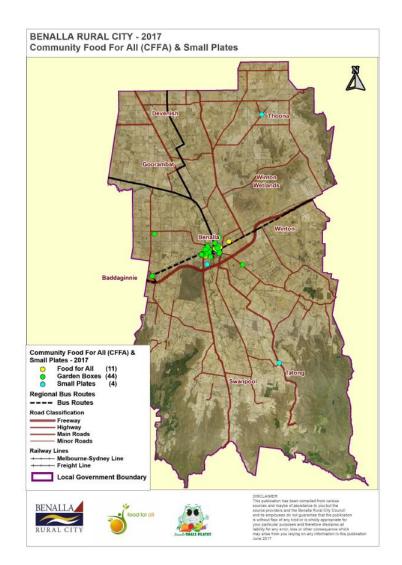




Process – stage 3B - 2017









- 2013 17 maps
- 2017 9 maps
- 26 PDF total maps
- Used for:
 - analysis
 - reports
 - grants
 - consultation

Benalla Food Security Scan

Scoping Healthy Food Access in Benalla









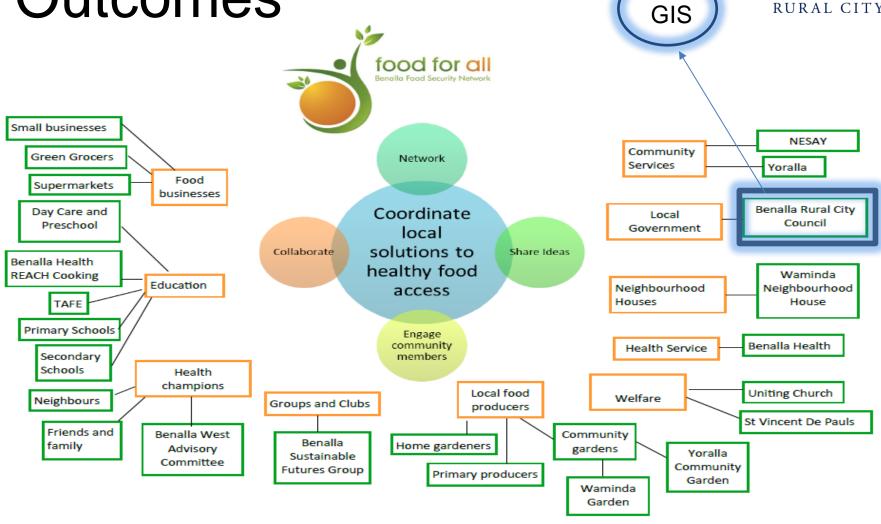


Outcomes



- GIS maps used as evidence based
- Received Sidney Myer Fund grant
- 51 Wicking Garden Beds & another 20+
- GIS maps used to track food deserts
- VicHealth Award
- Strong working relationship

Outcomes



(Healthy Eating in Benalla Families: A Hume) Priority 2017 Report)

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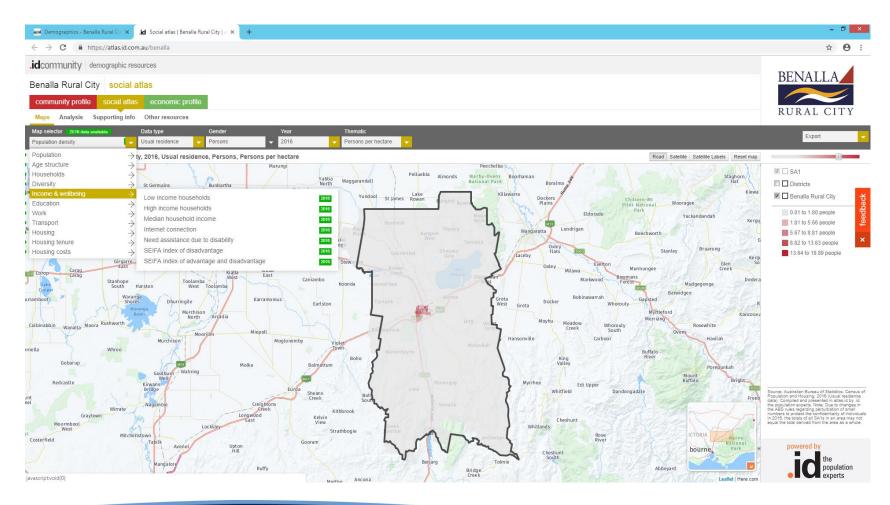
Future



- Continue working collaboratively
- GIS will provide evidence based decisions
- Re-scan 2020 -2021

Future





Conclusion



- Have clear project plan
- Clear guidelines and timelines
- Pass on skills
- Every picture / map tells a story
- Who will your audience be?
- You never know where your work will end up



It takes a VIIIA9C to raise a child.

Thank you

References:

Kathryn McQualter, Dietitian Benalla Health

Benalla Rural City Council

ABS, A. B. o. S., 2011. 2011 Census Community Profiles. [Online] Available at:

http://www.censusdata.abs.gov.au/census_services/getproduct/census/2011/communityprofile/LGA2101 0 [Accessed 4 April 2013].

http://www.benallahealth.org.au/userfiles/files/BenallaFoodAccessReport.pdf

https://www.centralhumepcp.org/healthy-eating-in-central-hume-highlights-of-collaboration-2012-2017/

https://www.centralhumepcp.org/wp-content/uploads/2018/07/Final-Healthy-Eating-in-Central-Hume-Highlights-of-Collaboration-2012-2017.pdf

https://www.benallaservices.com.au/service/452

 $\underline{\text{http://www.benallahealth.org.au/CommunityHealth/HealthPromotion-479/BenallaFoodSecurityNetwork-481/}$

https://profile.id.com.au/benalla (ABS statistics)

www.land.vic.gov.au (Interactive map)