	port: Responding to water availability in the Murray-Darling Basin	
#	Question	Answer
	Thanks for the talk, Geoff. This might be a language issue, but I'm interested in adaptation versus	
	transformation, and particularly the role of public policy on facilitating "positive" transformation of	
	regional economies and communities (as opposed to just letting it happen). This kind of facilitated	
	transformation of local economies has precedence (both good and bad examples), eg coal	Internally we say both adaptation and transformation - maybe its a continuum?
	production vs car manufacturing, so was interested in your views on this where industries may need	I think we are looking at adaptable farm systems in regard to highly variable water
1	to change?	availability.
	Does CRC have a way to identify those high risk farms? Or do farmers just contact CRC seeking	
2	support?	Not yet. It is an area for further work.
	Are there recent, positive examples of co design working in economic development or transition?	
3	And what principles are important to ensure genuine codesign occurs	live answered
-	I find it interesting that the discussion is about accepting the inevitability of change. In the dairy	
	industry in northern Vic particularly change has been our world especially over the last 20 plus	
	years. I find it demonstrates a lack of understanding about farmers as business people. In addition	
	there is the paternalistic nature of govt and public servants so that the views and problem solving	
4	capacity of farmers and their communities are dismissed	live answered
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	industry in northern Vic particularly change has been our world especially over the last 20 plus	
	years. I find it demonstrates a lack of understanding about farmers as business people. In addition	Geoff that is what I want to see. But too often we are told what we need but no
_	there is the paternalistic nature of govt and public servants so that the views and problem solving	understanding of factors that we deal with and other impediments to change, such as
5	capacity of farmers and their communities are dismissed	changes to land use planning
	The separation of water from land to facilitate trading was big mistake. Trading is fine but you must	
	hold land to be able to trade water. For surace water the water is held in dams. The rivers are just	
	now glorified drains to transport the water. For groundwater you can only extract groundwater what	
	what underlies your land.	
	On farm water eficiencies can only go so far. There is an end point where no more efficiencies can	
	be obtained.	
	All water comes from rainfall and this governs how much water is available. Climate chage will	Water trading has a very important part to play in assisting change, but it has to be clear,
6	effect then rainfall patterns.	transparent and appropriately regulated.
	How can Local Government lead this but not have any depth of background on water policy when its	
	not their remit. Expecting them to leap into this as well as all the other forms of responsibility. They	
7	will of course be competing with each other hard to hard to think how they can.	live answered
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	not their remit. Expecting them to leap into this as well as all the other forms of responsibility. They	I C A a tall was they don't have the compatibule do wyych in this analog
8	will of course be competing with each other hard to hard to think how they can.	LGAs tell me they dont have the capacity to do much in this space
	How can Local Government lead this but not have any depth of background on water policy when its	
	not their remit. Expecting them to leap into this as well as all the other forms of responsibility. They	
9	not their remit. Expecting them to leap into this as well as all the other forms of responsibility. They will of course be competing with each other hard to hard to think how they can.	they keep getting thrown forward but
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		Short Term
	How, and to what extent, do long-term changes in water availability and cost of water affect farm output, scale and labour in both the short and long terms?	 Cash flow on seasonal / annual basis Capacity of water market to meet demand (e.g. expansion of perennial plantings across the Basin) Length of time reduced water availability impacts farmers Long Term Loss of confidence to invest in long term capital infrastructure (e.g. major irrigation
		infrastructure upgrades)
15		- Crop type changes have long periods of lost cash flow before income returns - Financial Security – loss of lender support
	What are the impacts of a reduction in available water on local employment, consumption and services for selected communities in the MDB?	 > Prioritisation of cash flow to maintain business at cost of personal spending > Delay or put off non-essential purchases > Maintenance of vehicles / machinery slide, impacts 3rd party suppliers > Luxury items postpone or cease (e.g. dinner @ Hotel, clothing upgrades) Monitor Feedback from:
	How can we effectively and efficiently identify community vulnerability to changes in water availability?	- Rural Water Supply Corporations - Irrigation Trusts & Associations - 1BCRC Tier 3 Regional Partners incl National Irrigators Council - Industry Bodies (e.g. wine, almonds, citrus, cotton)
	How are farmers adapting (or not) to constrained or reduced water availability? Are there ways in which potentially beneficial adaptations could be supported or accelerated to increase net economic benefits?	 > Increasing use of water market & water products (e.g. longer term temp water lease arrangements) > Improving water Literacy to access markets > Reduced irrigation application / management or removal of aging or non-viable patches > Re-assessment of water portfolio strategies & risk profile
	How are communities adapting (or not) to constrained or reduced water availability? Are there ways in which potentially beneficial adaptations could be supported or accelerated to increase net economic benefits?	 > Many communities have been established on irrigation and have a low appetite or skillsets for change. > Communities with greater economic diversity (e.g. non agriculture, tourism, education) fare better with changing conditions