



# Climate and Water Information for Tomorrow

Warwick McDonald

28 October 2014

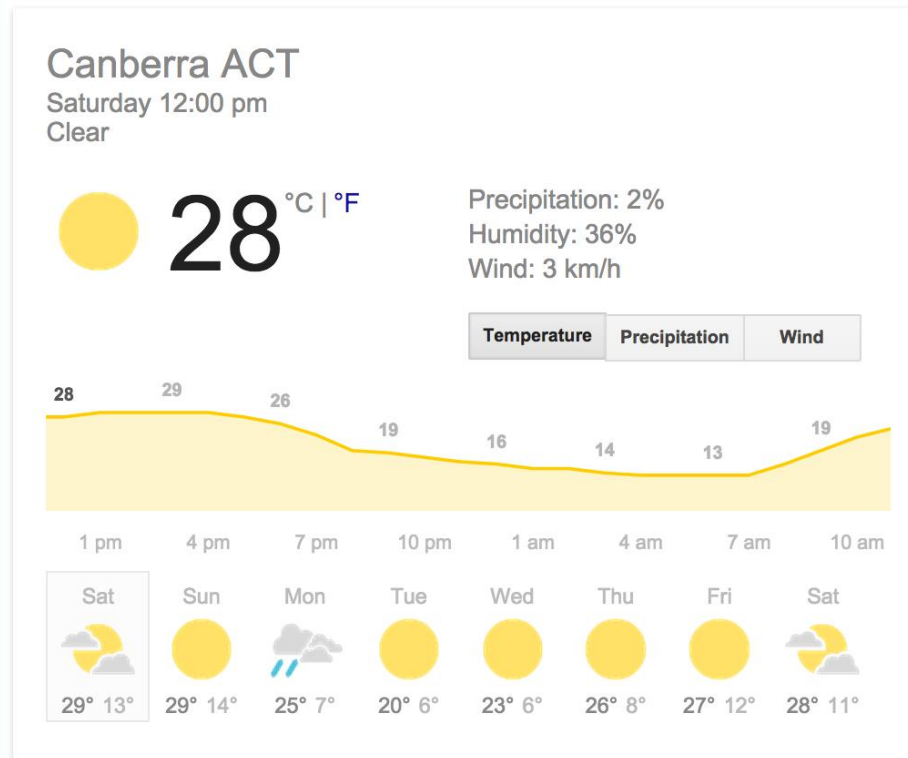
LAND AND WATER FLAGSHIP

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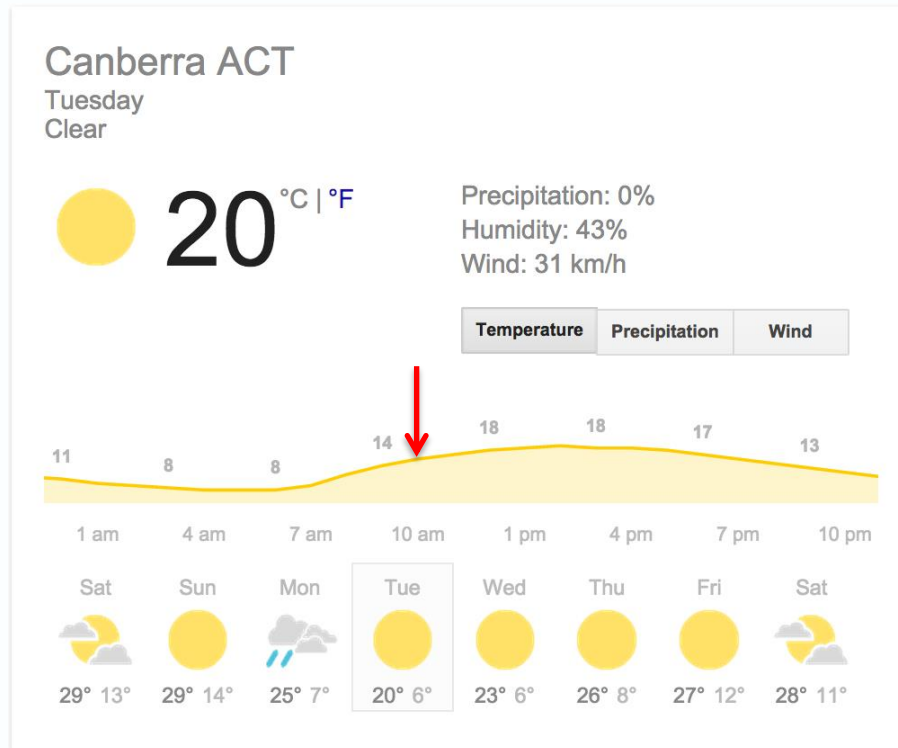
# BECAUSE... IT IS NEEDED



# ... ACCESSIBLE



# ... TIMELY



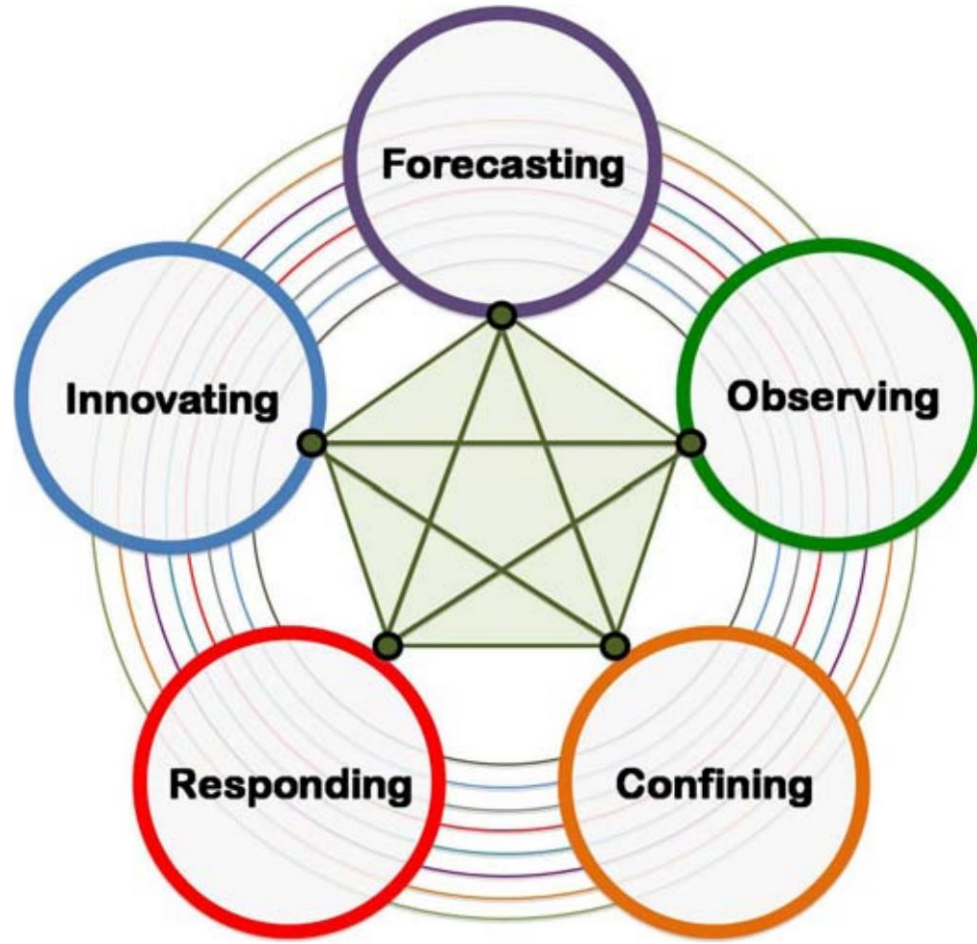
# ... AND USEFUL



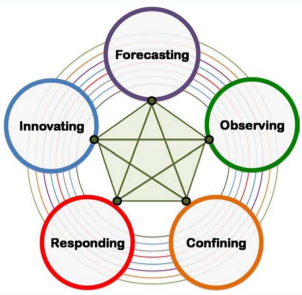
# GRAND CHALLENGES



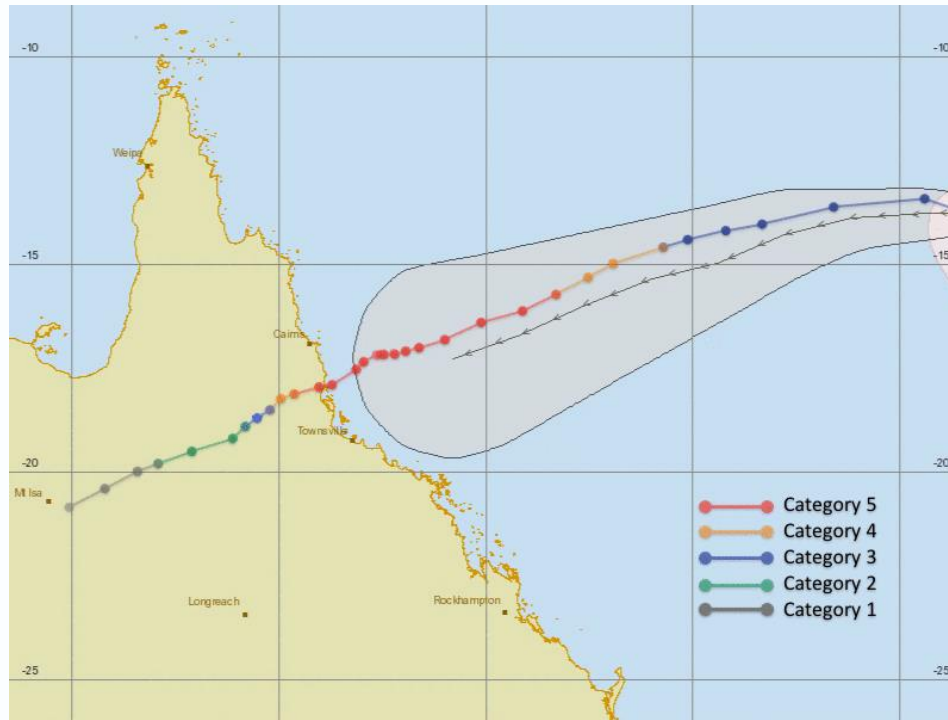
# EARTH SYSTEM SCIENCE FOR GLOBAL SUSTAINABILITY







# FORECASTING



# opportunity...

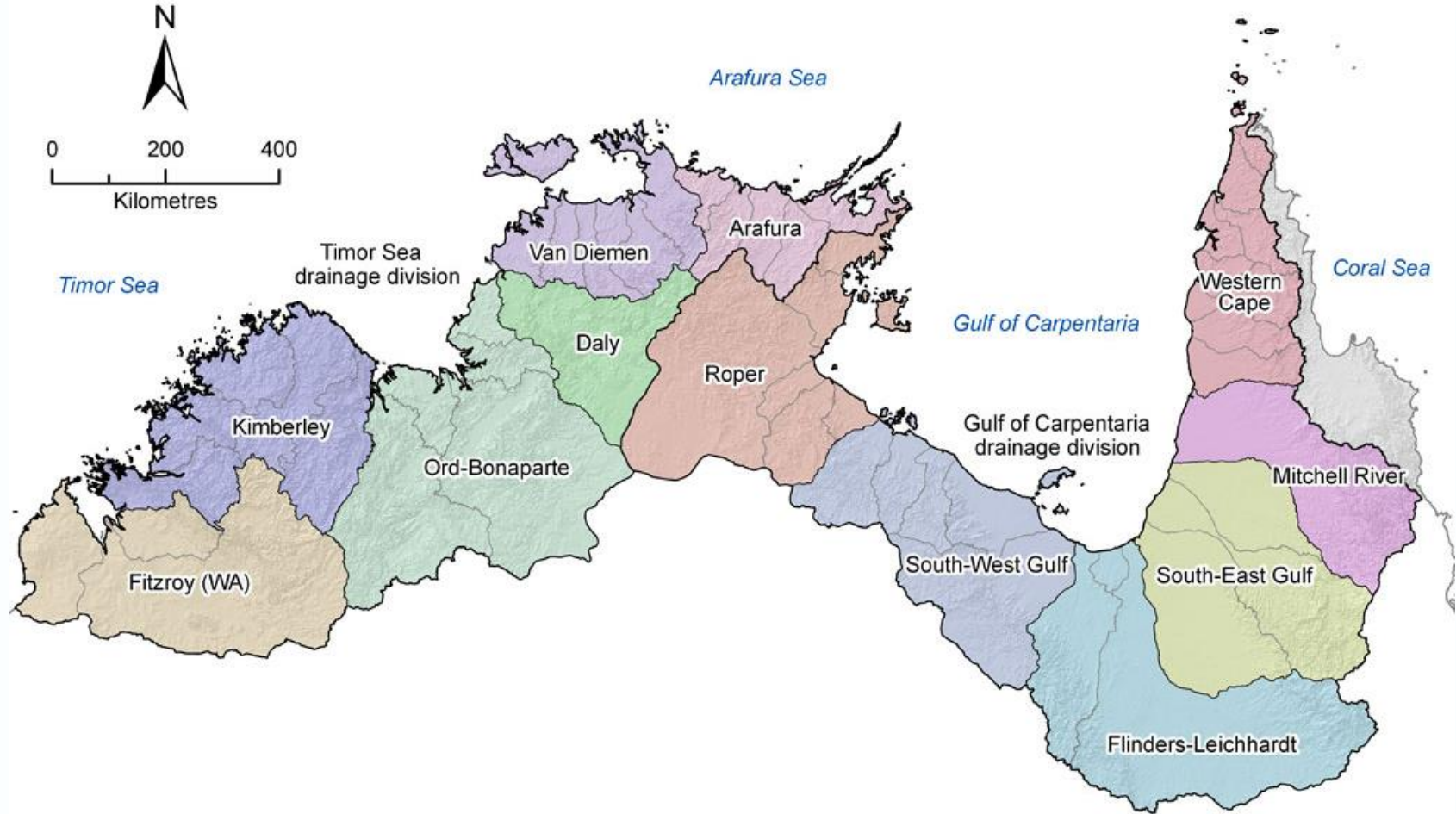
## MORE CERTAIN FUTURE



# SOUTH TO NORTH WATER TRANSFER, CHINA

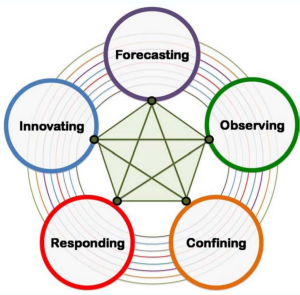


# NORTHERN AUSTRALIA



# ON-GROUND ACTIONS





# OBSERVING

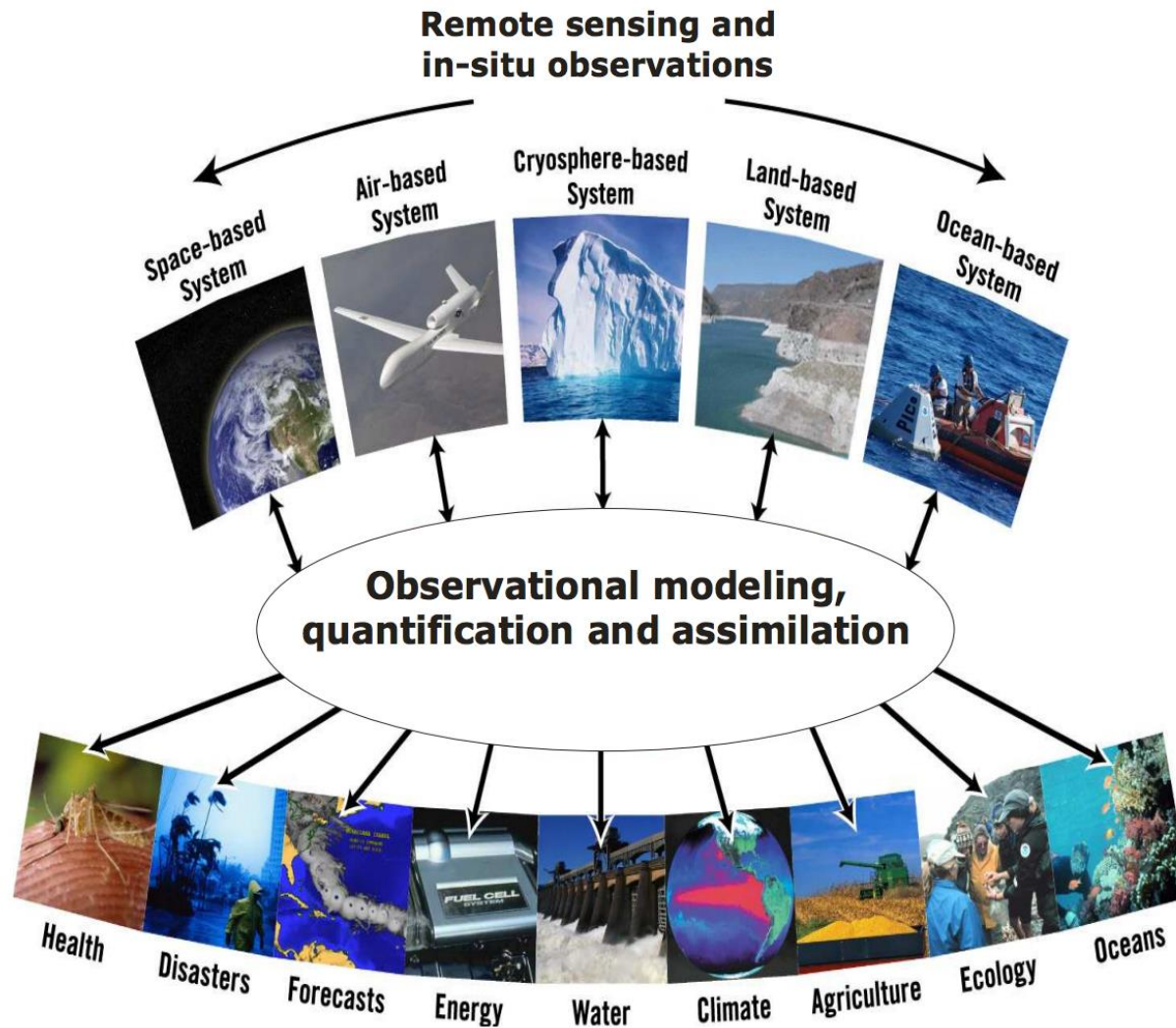


# opportunity...

## UNLOCKING VALUE

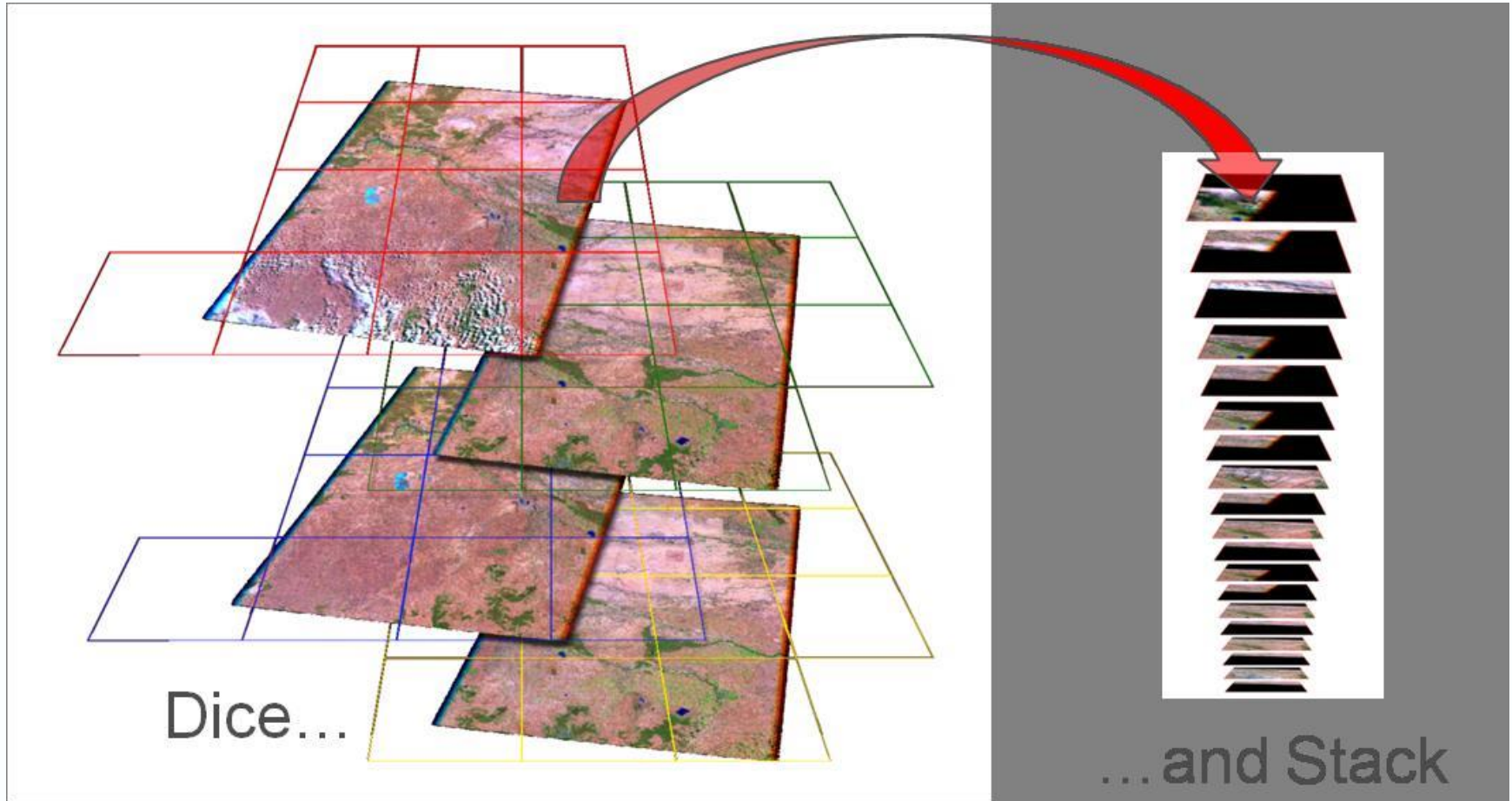


# DISCOVERY, ACCESS, RE-USE

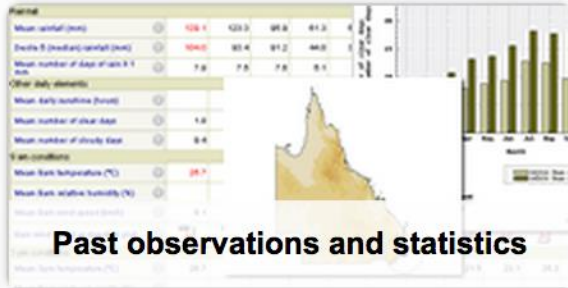




# GA's DATA CUBE



# DATA SERVICES



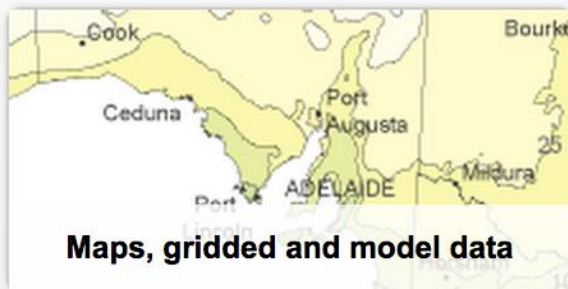
Past observations and statistics



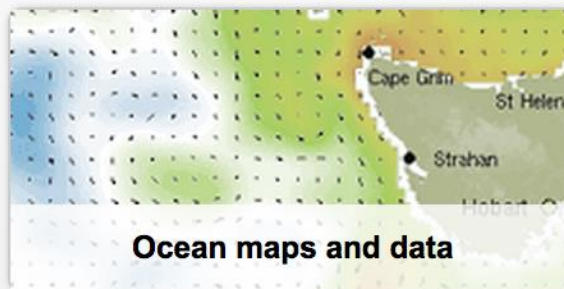
Radar, satellite and MSLP maps



Past forecasts and warnings



Maps, gridded and model data



Ocean maps and data



Risk assessment and design



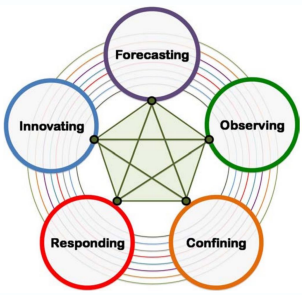
Storm confirmation and legal



Solar data



Subscriptions and custom services



# CONFINING

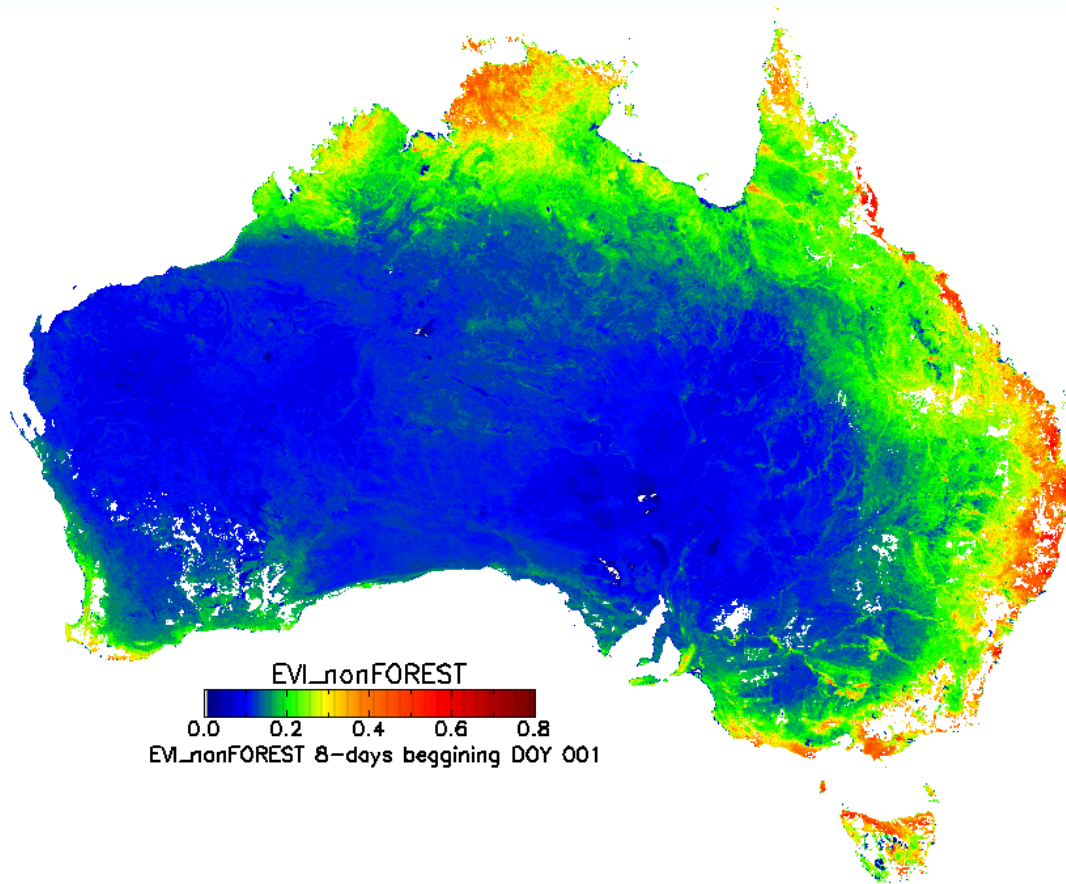


# opportunity...

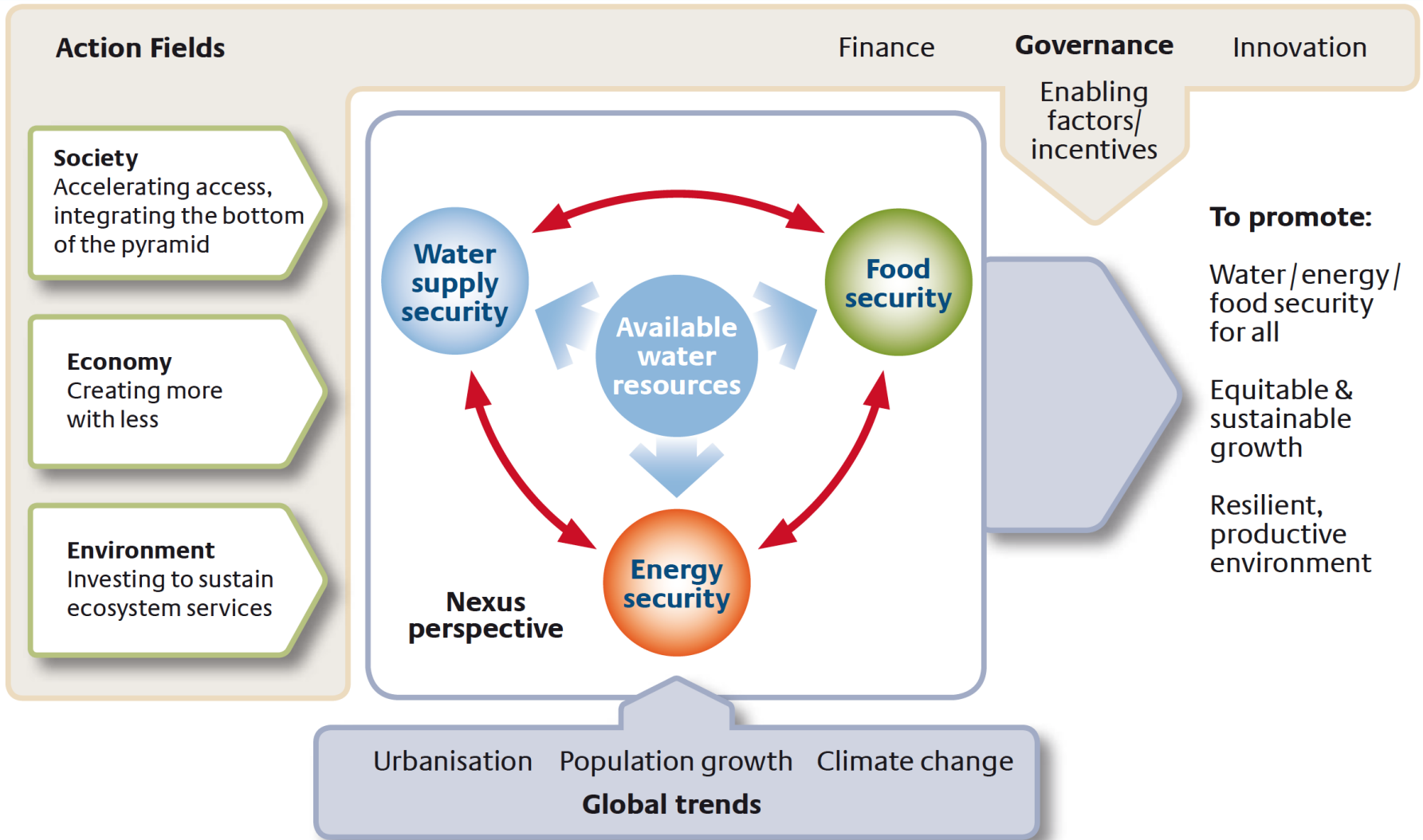
## PATTERNS & TIPPING POINTS

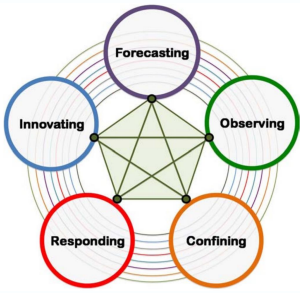


# WAS THE MILLENIUM DROUGHT FORSEEABLE?



# MEETING GLOBAL DEMAND





# RESPONDING



# opportunity...

## SUSTAINED INSTITUTIONS







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Communities

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# LOST “LIBRARIES”

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INTERNET ARCHIVE  
**WayBackMachine**

[http://audit.ea.gov.au/anra/atlas\\_home.cfm](http://audit.ea.gov.au/anra/atlas_home.cfm)

[104 captures](#)  
1 Dec 01 - 1 Jul 14

OCT DEC FEB  
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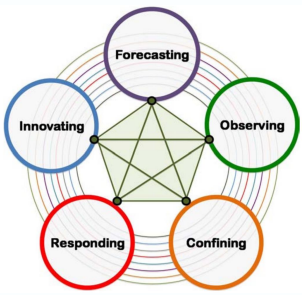
## A U S T R A L I A N N A T U R A L R E S O U R C E S A T L A S



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# INNOVATING

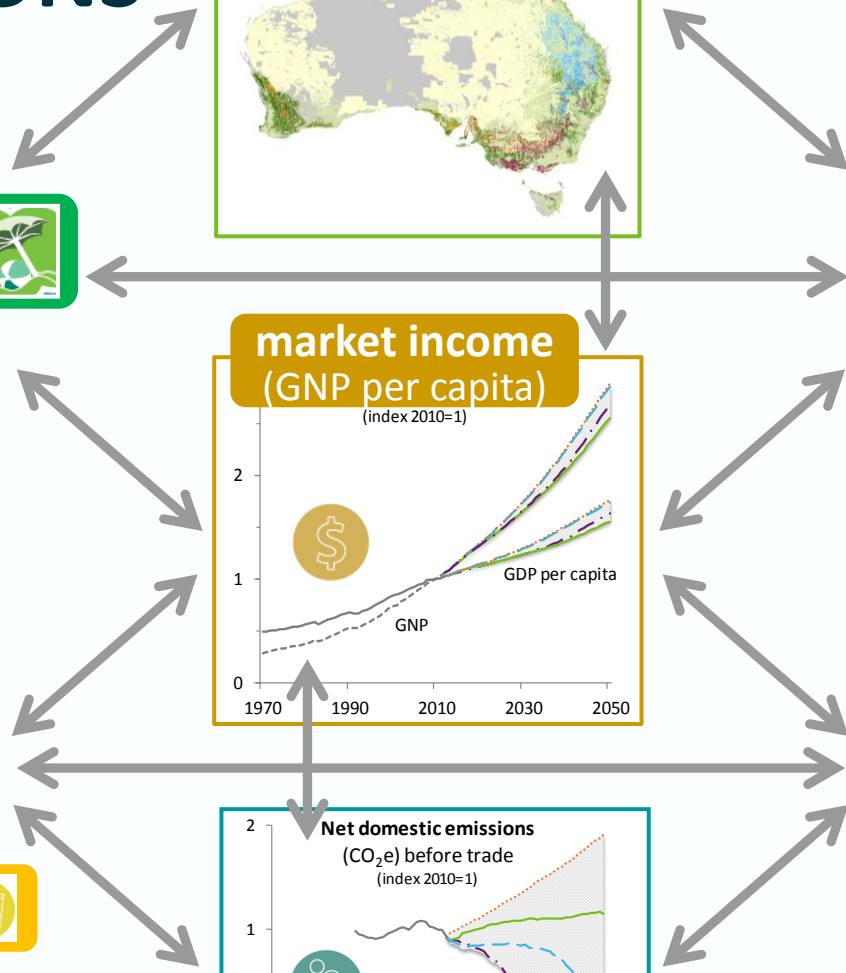
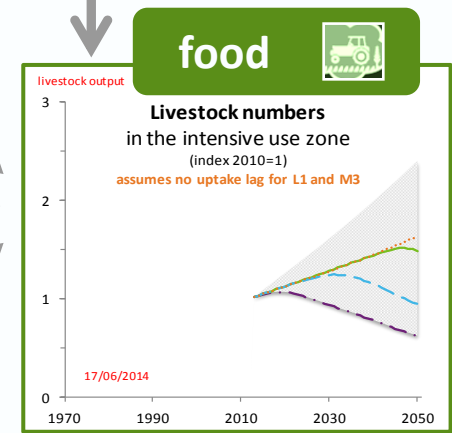
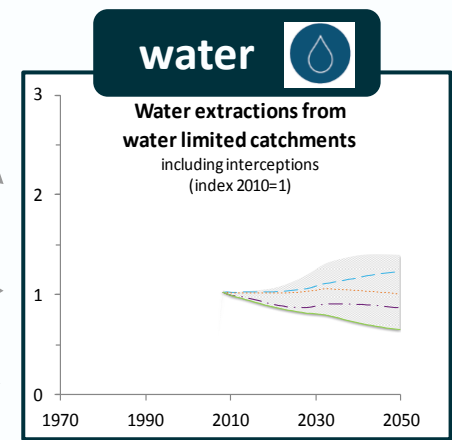
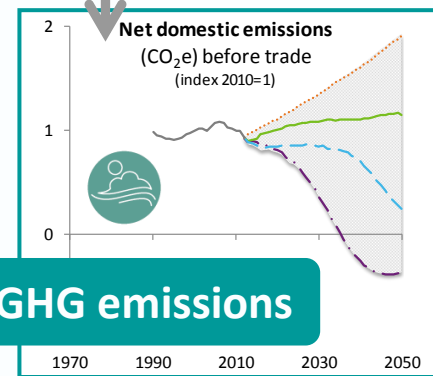
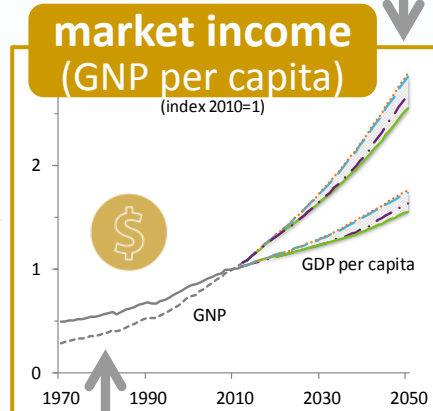
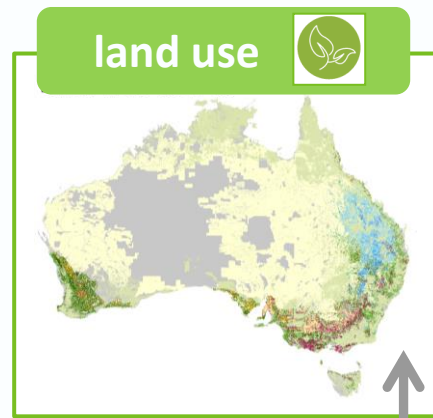
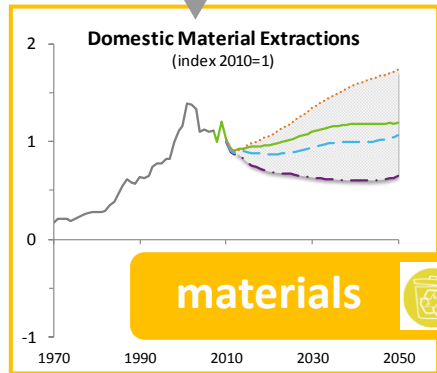
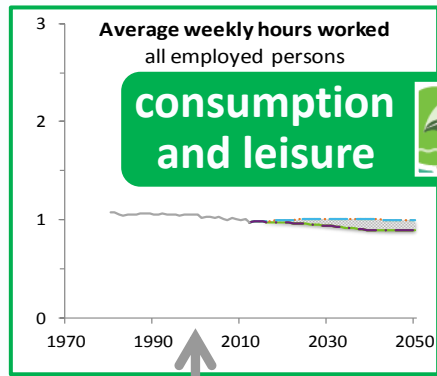


# opportunity...

## ANYWHERE, ANY TIME, ANYBODY



# MAKING CONNECTIONS







# THANK YOU FOR LISTENING

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