Unique partnerships and collaborations for Sustainable Agriculture in Western Australia



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Overview

- Regional Estuaries Initiative
- Sustainable agriculture projects
- Partnerships and collaborations





REGIONAL
ESTUARIES
INITIATIVE

The five strategies

Sustainable agriculture



REGIONAL INITIATIVE

Water in

reduce nutrient run-off from agricultural activities



Science for management



Project Reference Group – unique collaboration







Dairy effluent management **DairyCare project**













Fertiliser management Soil testing program





Department of Water and Environmental Regulation

Department of Primary Industries and Regional Development















Soil testing - whole farm nutrient mapping

- 30 cores from every paddock
- pH, N, P, K, S, etc.





Soil testing results





Soil testing results





Management response

DON'T STOP here with spreader

SLOW DOWN and think about fertiliser or soil amendment strategy

STOP HERE with spreader





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Farmer Workshops











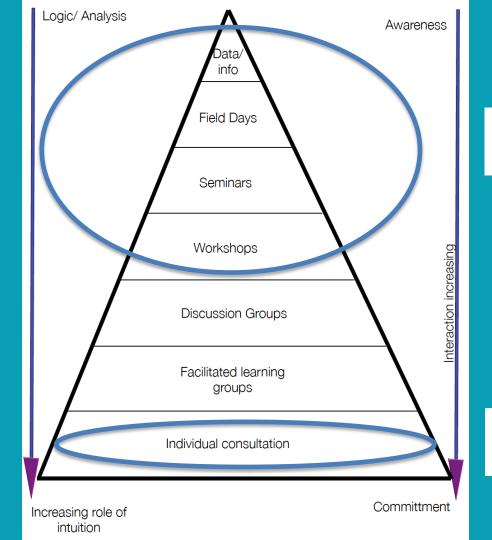








Activity types



Extension activities - raise awareness

Commitment – to practice change



Fertiliser management – agronomic advice





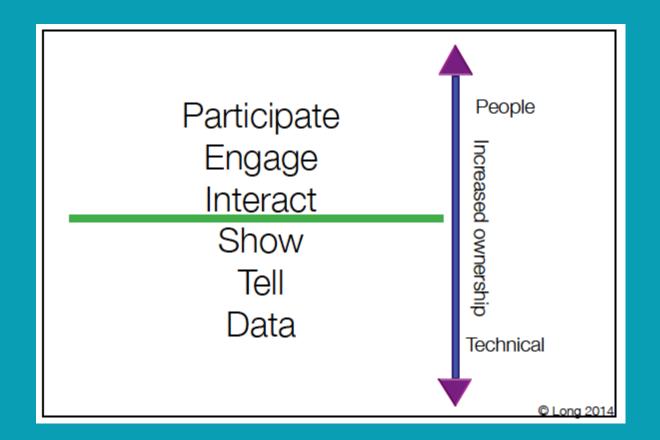


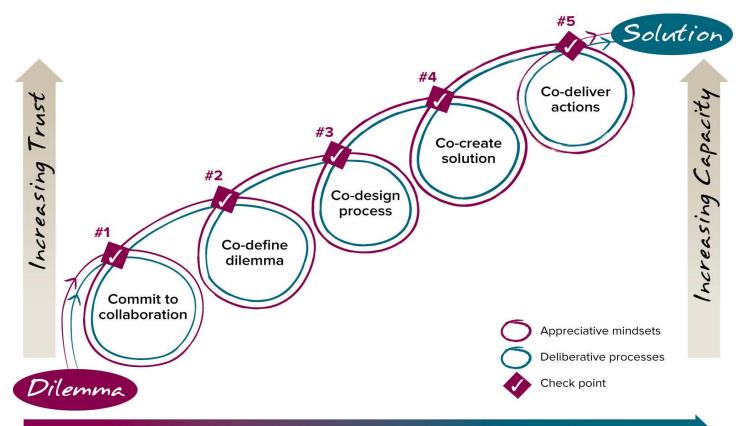






Work WITH people to create change





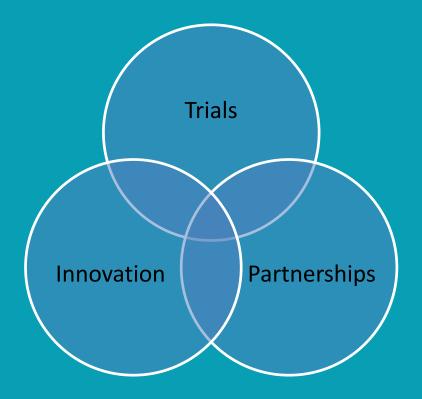
Build readiness • Build relationships • Build capability

APPRECIATIVE + DELIBERATIVE = ENDURING MINDSETS + PROCESSES = SOLUTIONS



Fertiliser management – uPtake





Unique partnerships and collaborations

- Project Reference Group
- Technical Reference Group
- Communication & Extension Group

Government Departments
Catchment Councils
Natural Resource Management Groups

Scientists Researchers Consultants
Independent agronomists

Fertiliser Industry
Dairy industry
Beef industry

Dairy farmers Beef farmers

Innovation – drones and sensors

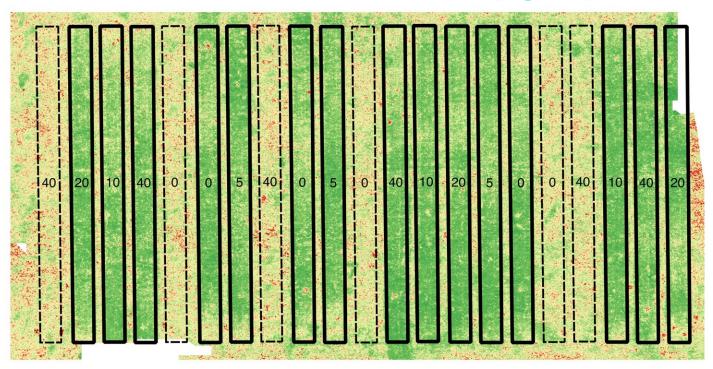






near infrared and x-ray fluorescence

Pasture growth – NDVI images treatments and P rates (kg/ha)



---- No basals
Basals applied

Successful trials
Wrong message to farmers
Basal fertiliser (N,K,S, trace nutrients)

Working together!



- Building relationships, trust and capacity.
- Exploring problems together to formulate solutions and actions.
- Improve communication and extension

Partners and supporters



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Your Levy at Work

