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**MEASUREMENT
ENGINEERING
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Integrated Biosystems



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Lecturer

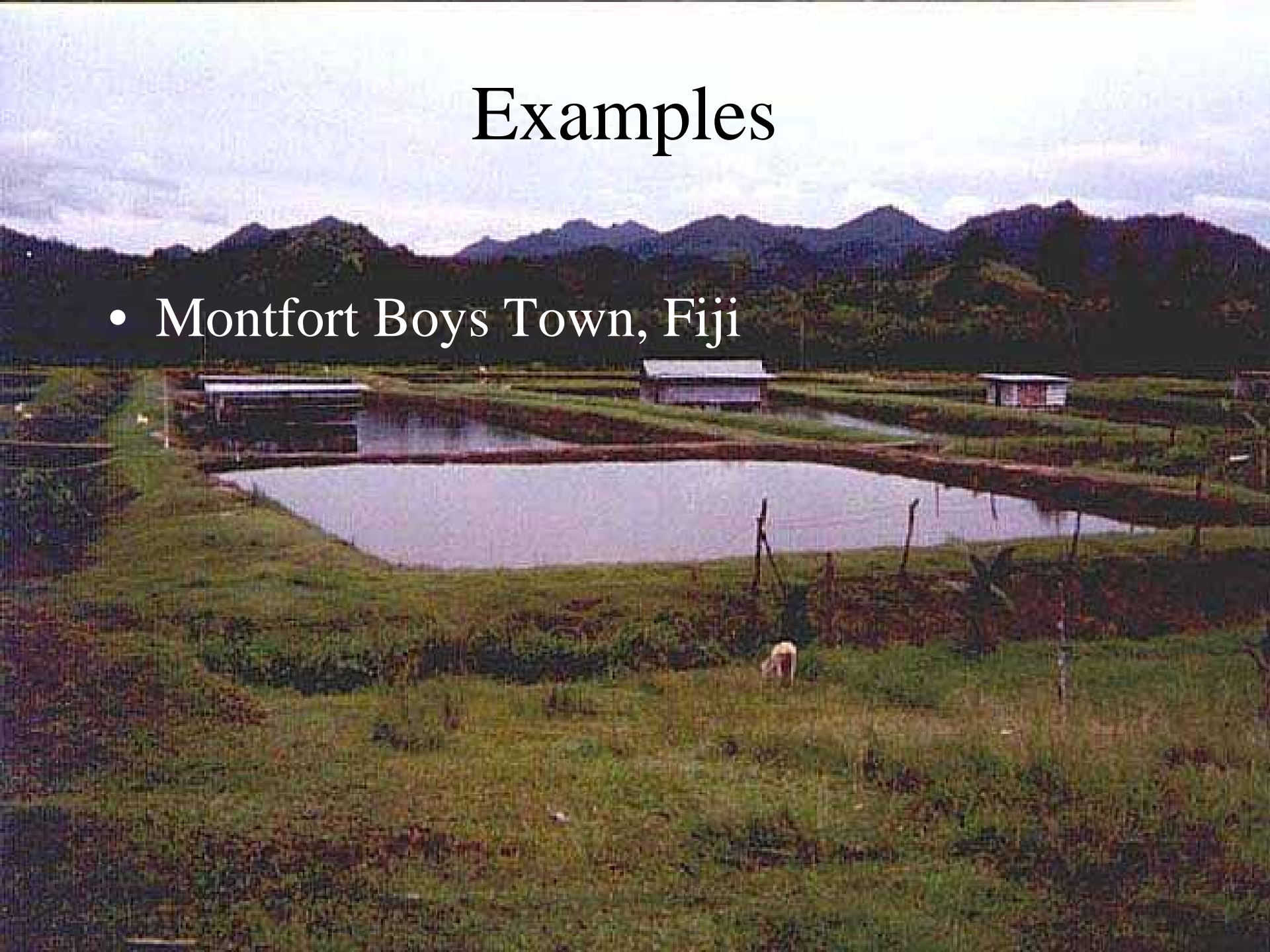
The University of Adelaide

Introduction

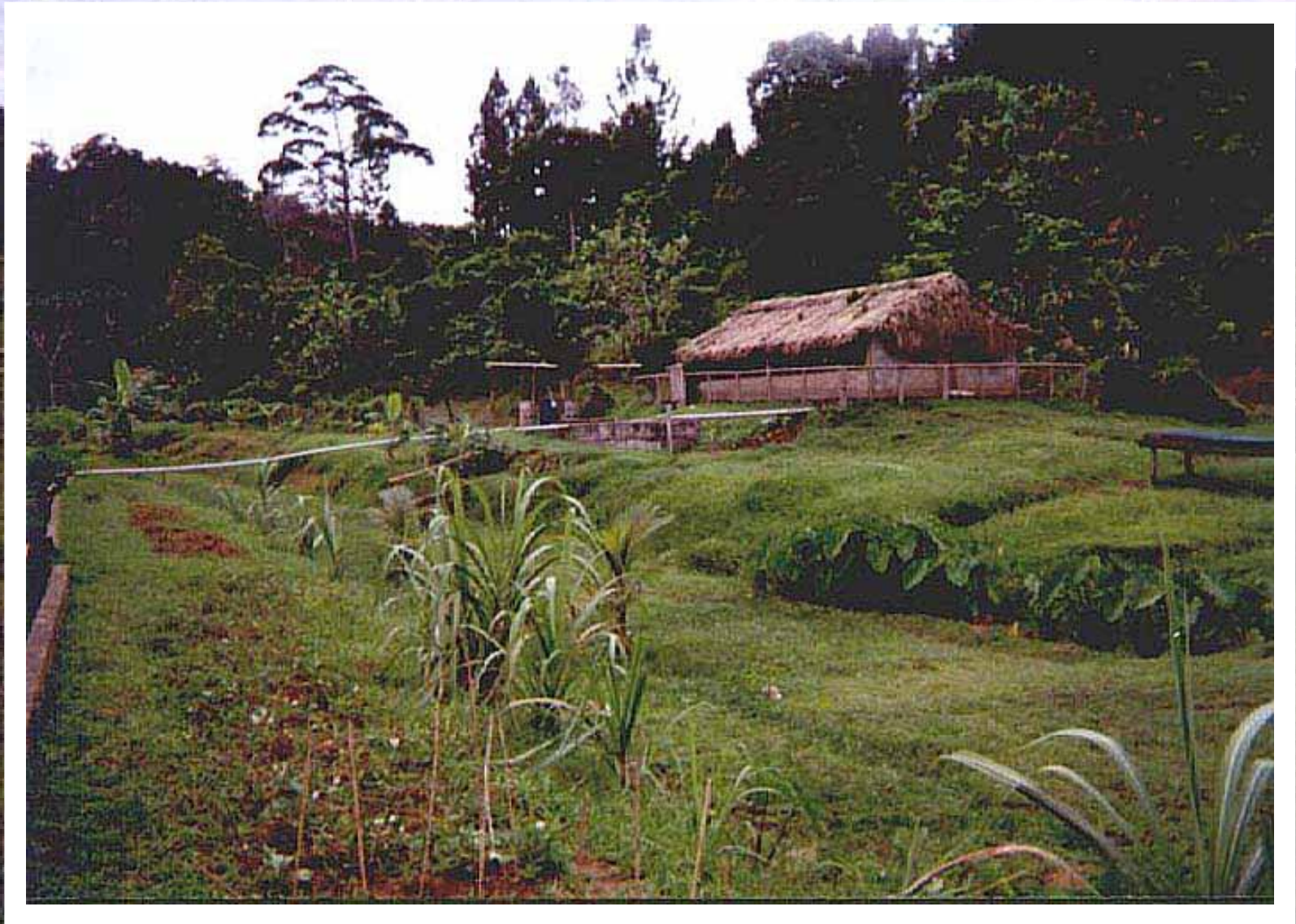
- We are facing difficulties with “waste” disposal, water supply, greenhouse gases and fuel supply as well as food production.
- Community attitudes are changing
- “Integrated Biosystems” describes a system of inter-related components.

Examples

- Montfort Boys Town, Fiji

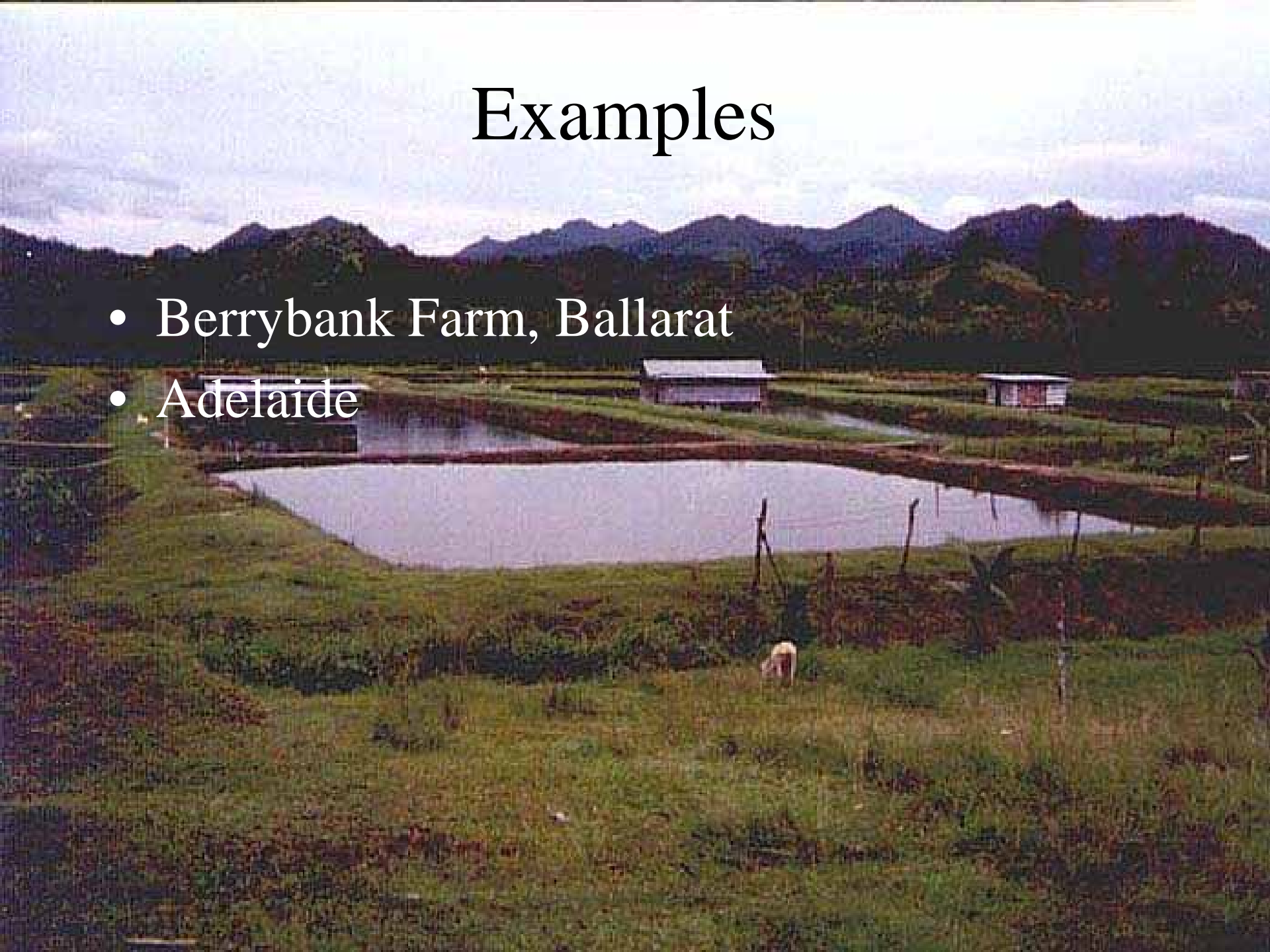


Montfort Boys Town, Fiji



Examples

- Berrybank Farm, Ballarat
- Adelaide

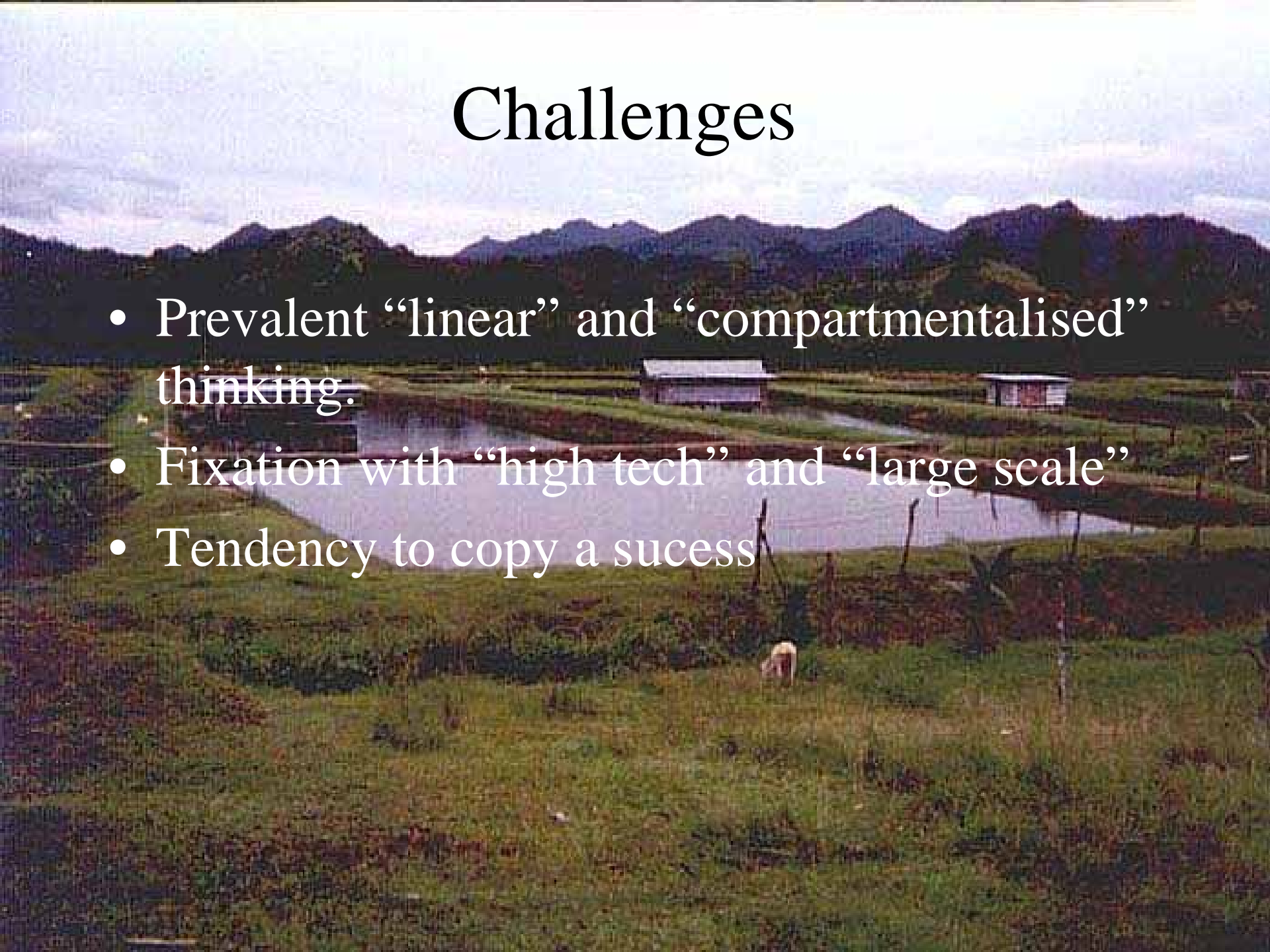


Bolivar Waste Water Plant



Challenges

- Prevalent “linear” and “compartmentalised” thinking.
- Fixation with “high tech” and “large scale”
- Tendency to copy a success



CONCLUSIONS

- Integrated Biosystems can provide food, fuel and employment while minimising waste.
- Integrated Biosystems can be adopted in both developing and developed societies.
- Small scale and large scale systems are possible



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