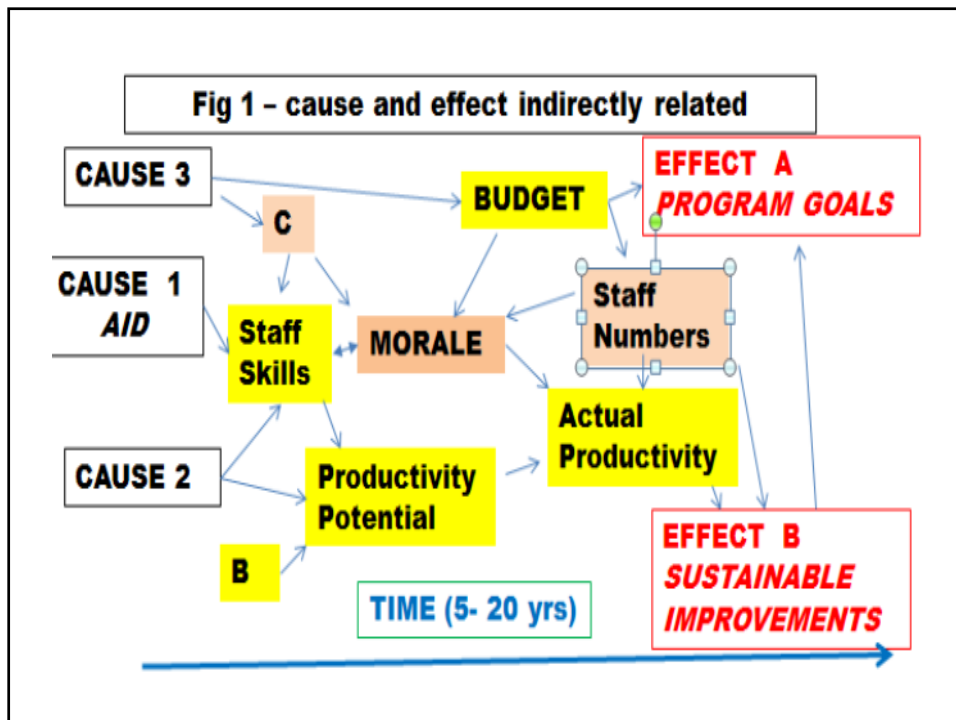


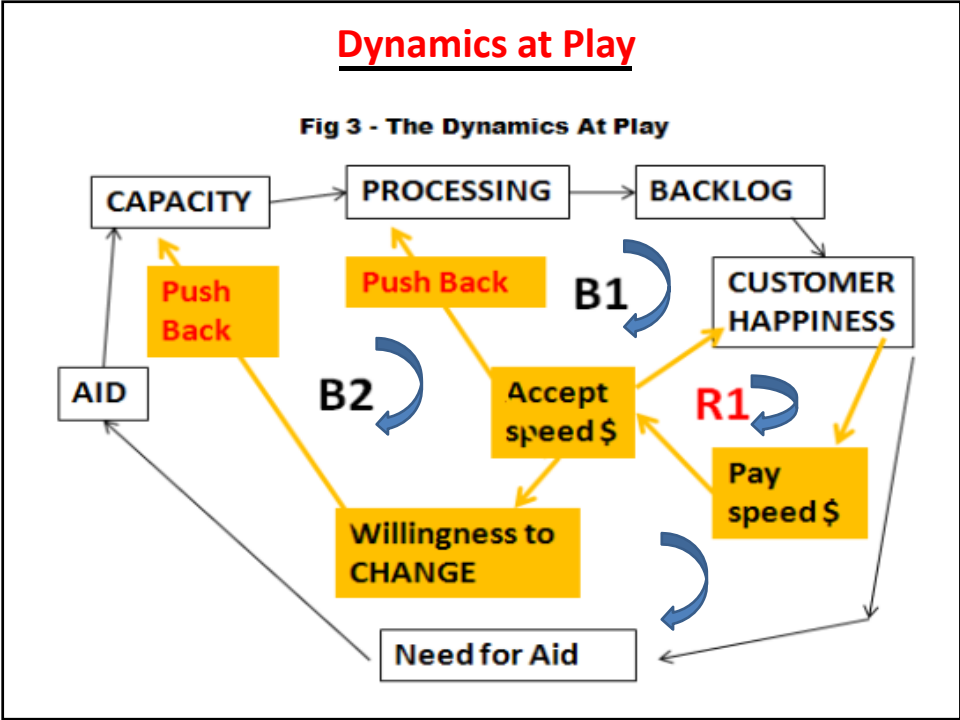
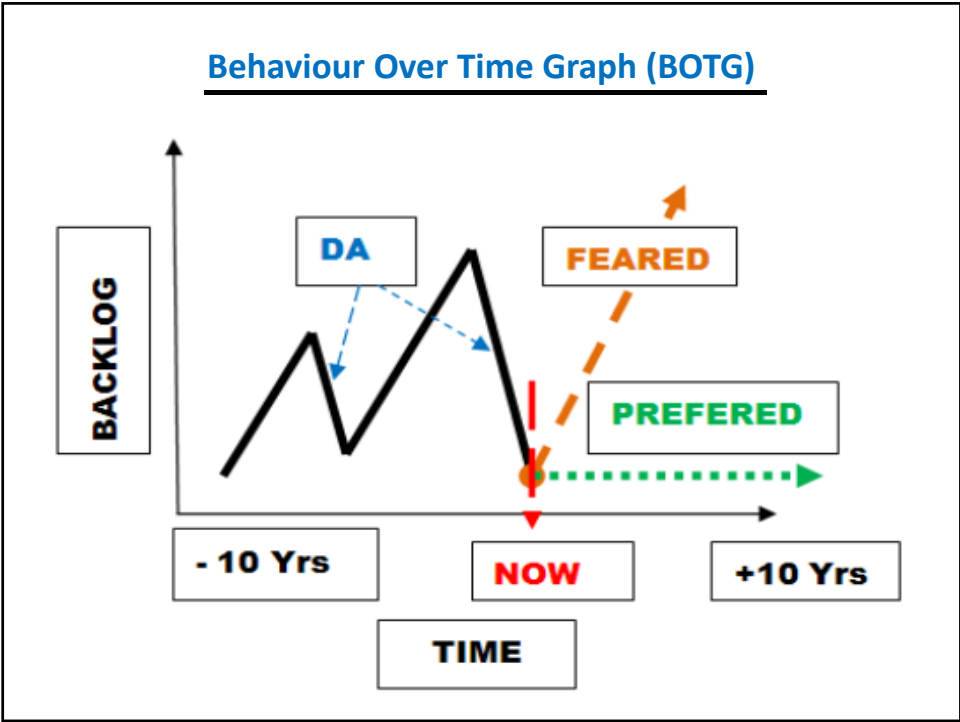
Using MICROWORLDS

to Improve Success and Sustainability

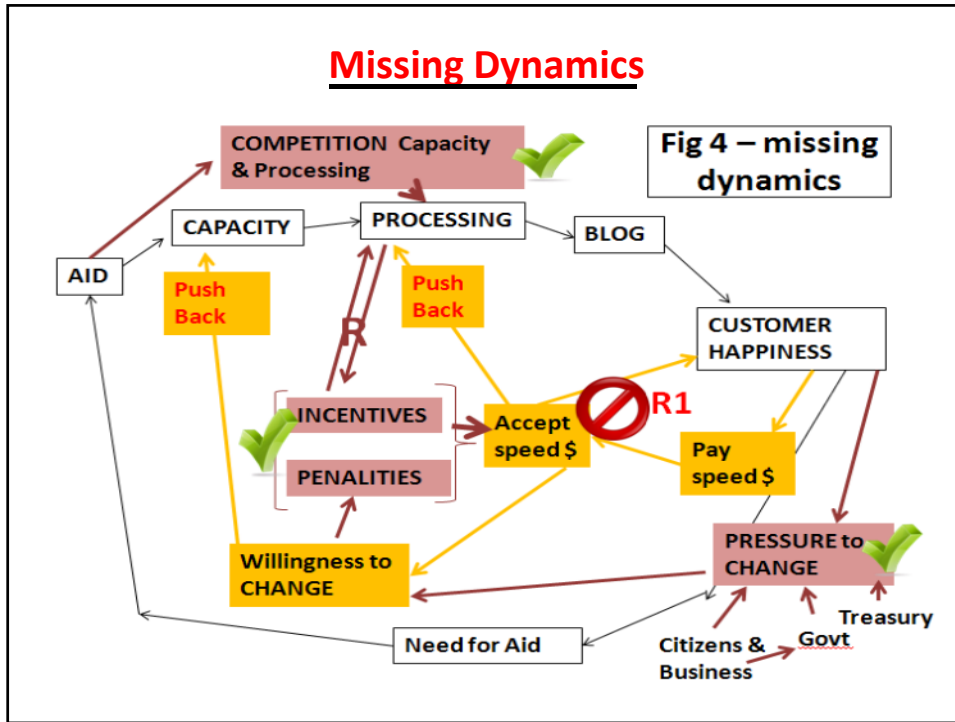
in Land Development Assistance Endeavours

Ken Lyons and David Hebblethwaite

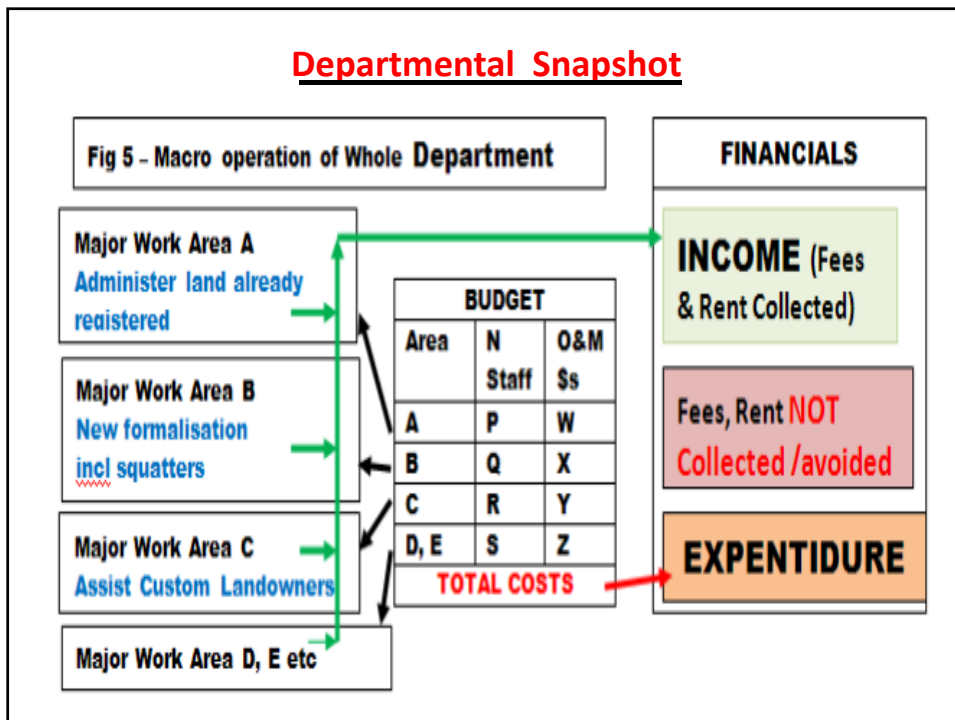




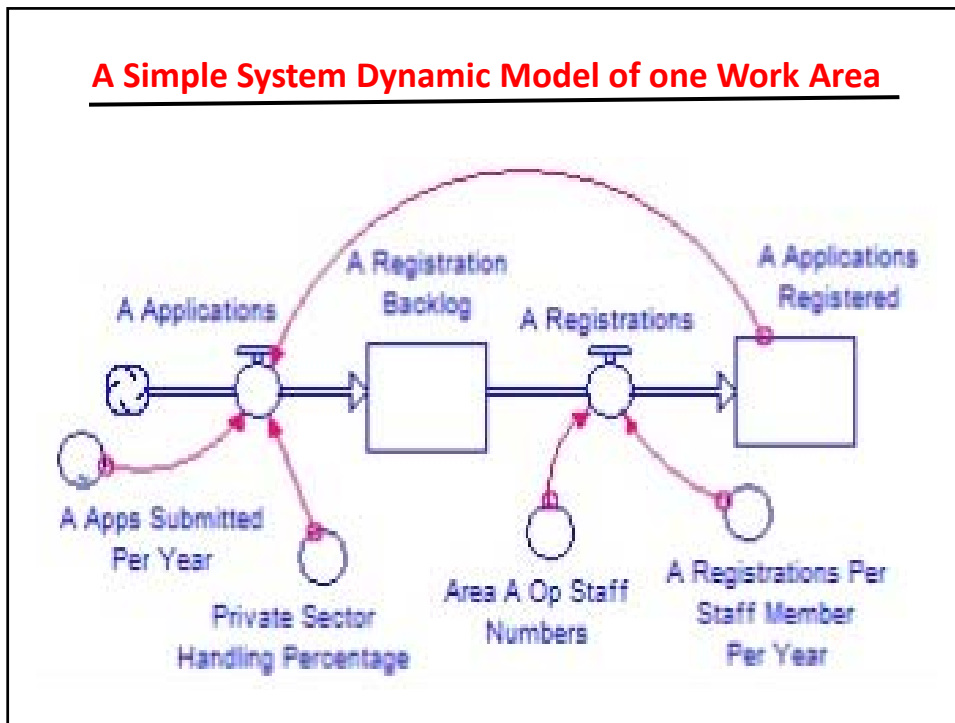
Missing Dynamics



Departmental Snapshot



A Simple System Dynamic Model of one Work Area



LAMPS Example

Department Organization

Total Staff Numbers: 30
 Initial Corporate Staff %: 40
 Corporate Staff Numbers: 12
 Operational Staff Numbers: 18

Area A - Administration of Registered Land
 Staff %: 40 - Numbers: 7

Area B - Assign & Register Rights
 Staff %: 30 - Numbers: 9

Area C - Assist Customary Landowner Groups
 Staff %: 30 - Numbers: 6

Rent Collection %:
 Normal Rent Collection Point: 50
 Improved Rent Collection Point: 95

Options:

- Existing departmental organisation and Normal rent collection
- As for Option 1 with 50% of Corporate Staff re-allocated to Operations
- As for Option 2 with 80% of Registrations handled by the Private Sector and 50% of Area A Staff re-assigned to Area B
- As for Option 3 with 50% of Area B Staff re-assigned to Improve Rent collection
- As for Option 4 with the production rate of the remaining Area B Staff doubled

Visualizations:
 A Apps Submitted per Year, B Apps Submitted per Year, C Apps Submitted per Year, Rentable Parcels

LAMPS Dashboard

Run
Reset

A Registration Backlog - 1

B Registration Backlog - 1

Net Income - 1

Findings– re use of Policy & Management Simulators

- Gain deeper insights & identification of leverage points
- Can “Explore & Bench Test” proposals
- Collaborative learning → greater understanding
- Greater commitment → likelihood of success

Findings – in Scenario Posed

• **Continuing “as is” will not meet countries current needs**

• **Current needs can be met by:-**

- Expanding capacity by involving non Govt players
- Doing some tasks differently
- Capturing leaking revenue
- Improving service & customer satisfaction

Implications for DA

- Take a more **“high level whole system”** view
- **Use Microworlds** to build clearer understanding and commitment
- **Strengthen all actors** in the system - not focus largely on national land agencies
- **Allow time** for CHANGE to happen – at the individual level & for land admin to evolve