

## General Medicine NZ: 1992-2007– bed crisis to bed crises

Prof Peter Millard, Emeritus Geriatrics, St George's, UL



## Dunedin Hospital, Otago Region, South Island, New Zealand

- Tertiary referral hospital
- Population served 180,000
- Over funded, downward pressure during the 1990's
- 400 Beds
- 25,000 annual admissions
- Medical School



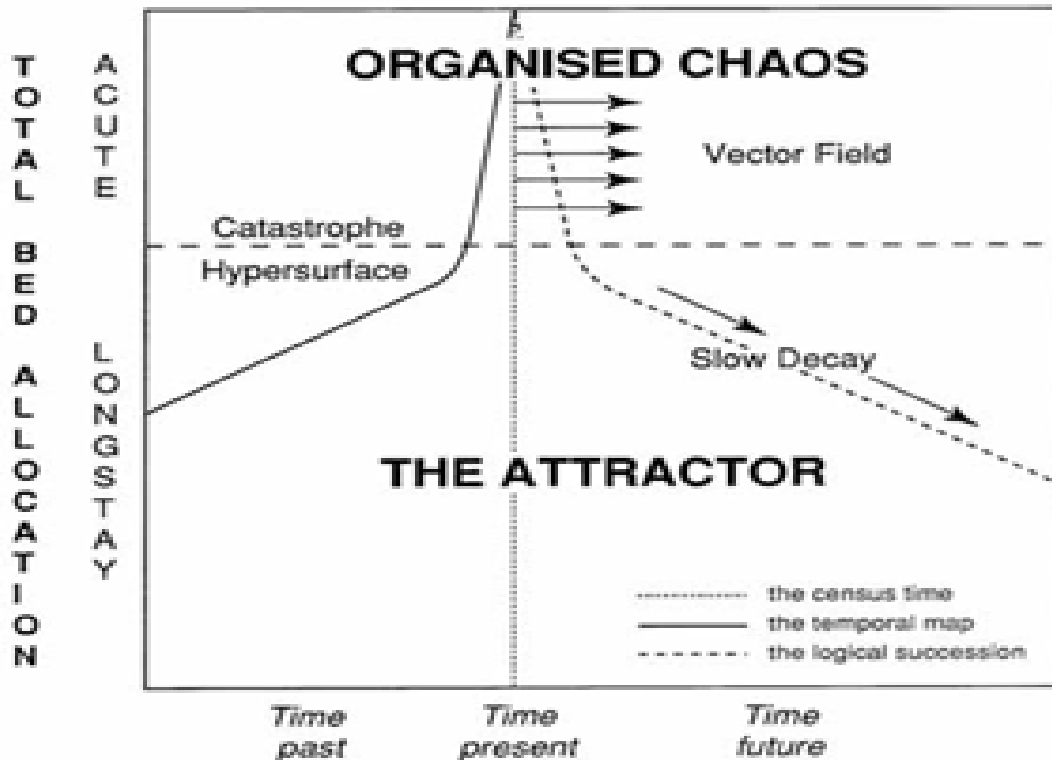
*Clinicians Involved:*

General Medicine: Brendon Rae

Geriatric Medicine: Wendy Busby

# A theoretical, biological, model of the process of inpatient care in a department of geriatric medicine

## 3 Key points



1. Discharge is directional

2. Two streams separated by a decision making threshold

3. Learnt behaviour: what is happening will happen if nothing changes

Adapted from Thom (1975): Millard MD thesis 1989

Harrison & Millard 1992:  $A_c = L_v$  Mathematical theory and what-if which explains why exponential equations fit occupancy data.

# UK Nosokinetics Group 2004 - BGS Aut 2009



[www.nosokinetics.org](http://www.nosokinetics.org)