

## **Systems Thinking Tools**

Reinforcing feedback

- engine of growth

Balancing feedback

- stabilising

- homeostasis

- goal-orientated behaviour

Delays

## Systems Thinking Tools

### Recognising "shift of burden"

- underlying problem too confronting or obscure
- treating only the symptoms

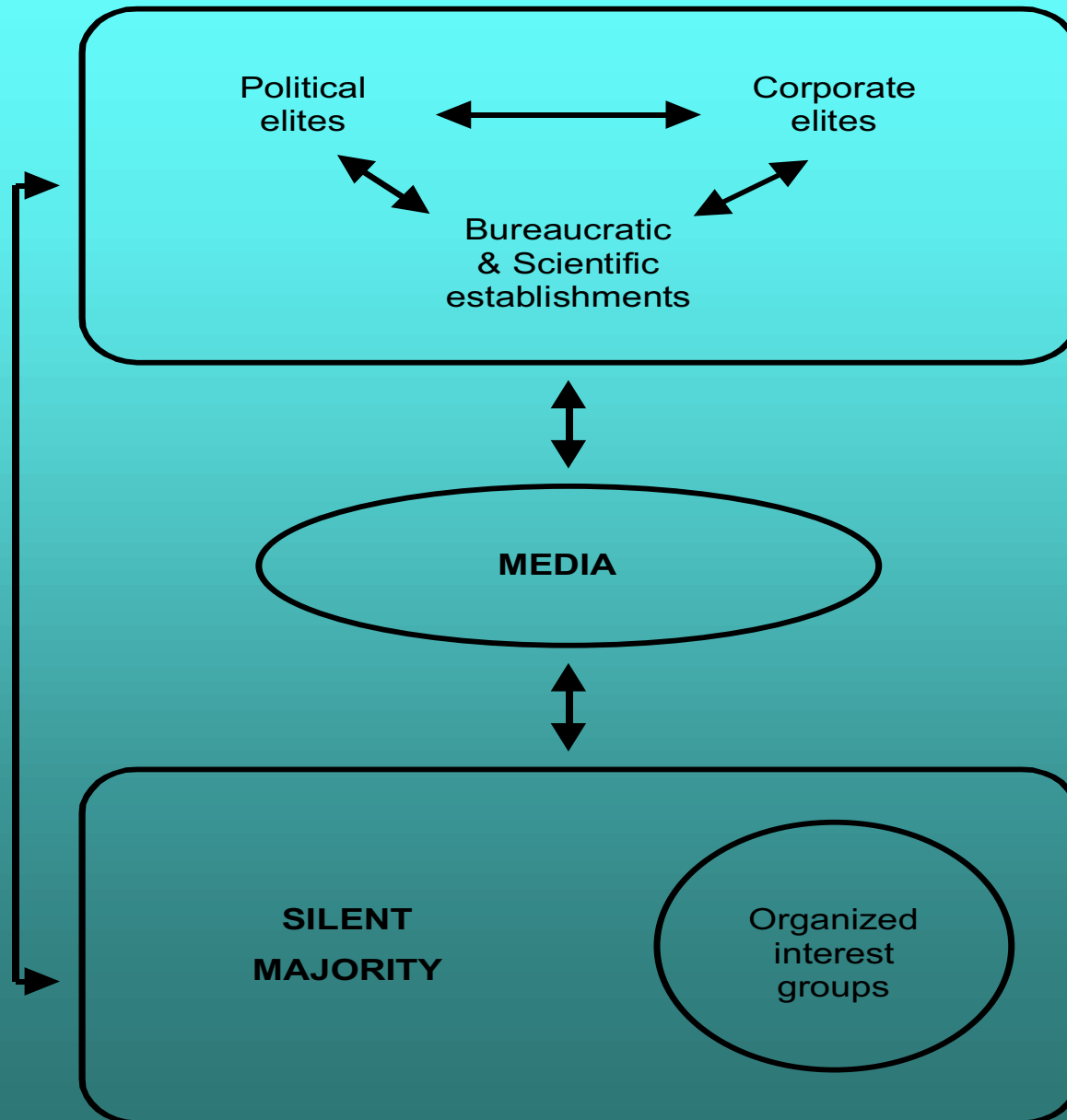
### Leverage

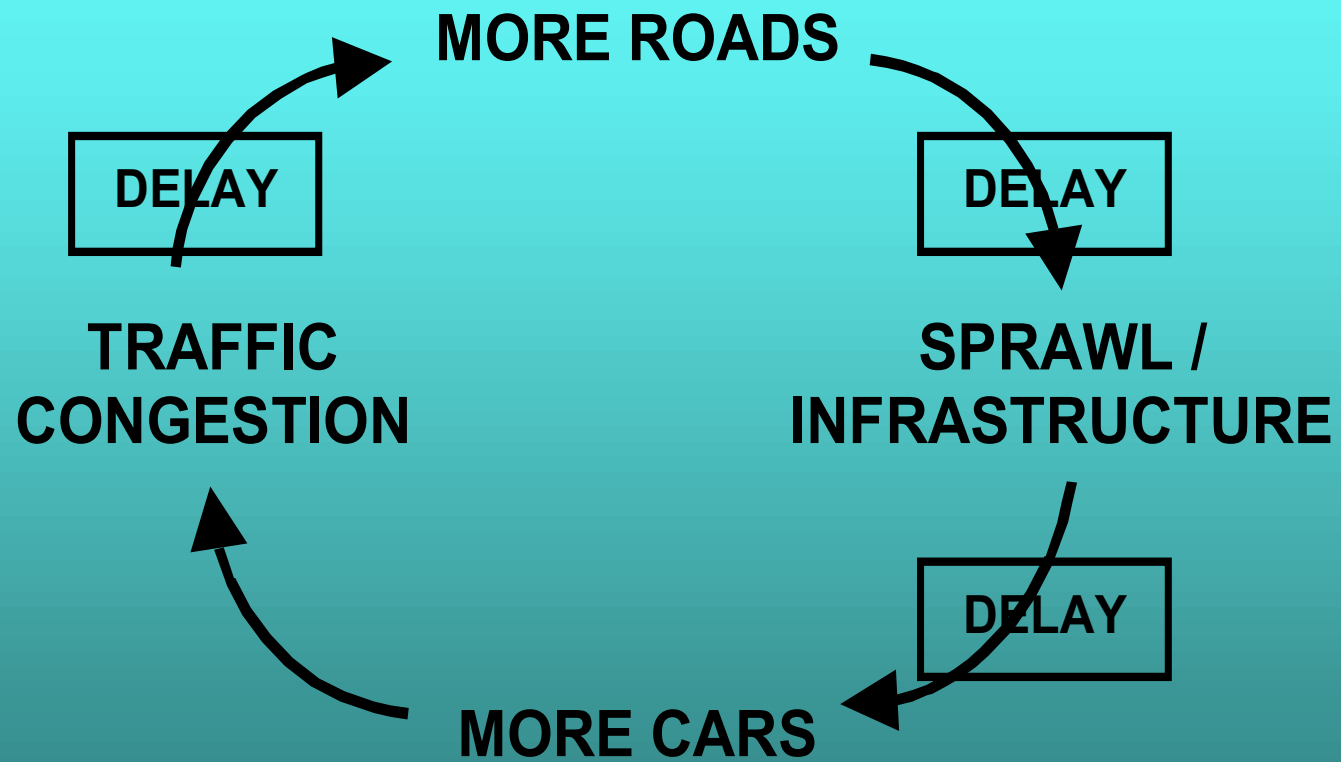
- seen in balancing feed-back loops
- may be difficult to find

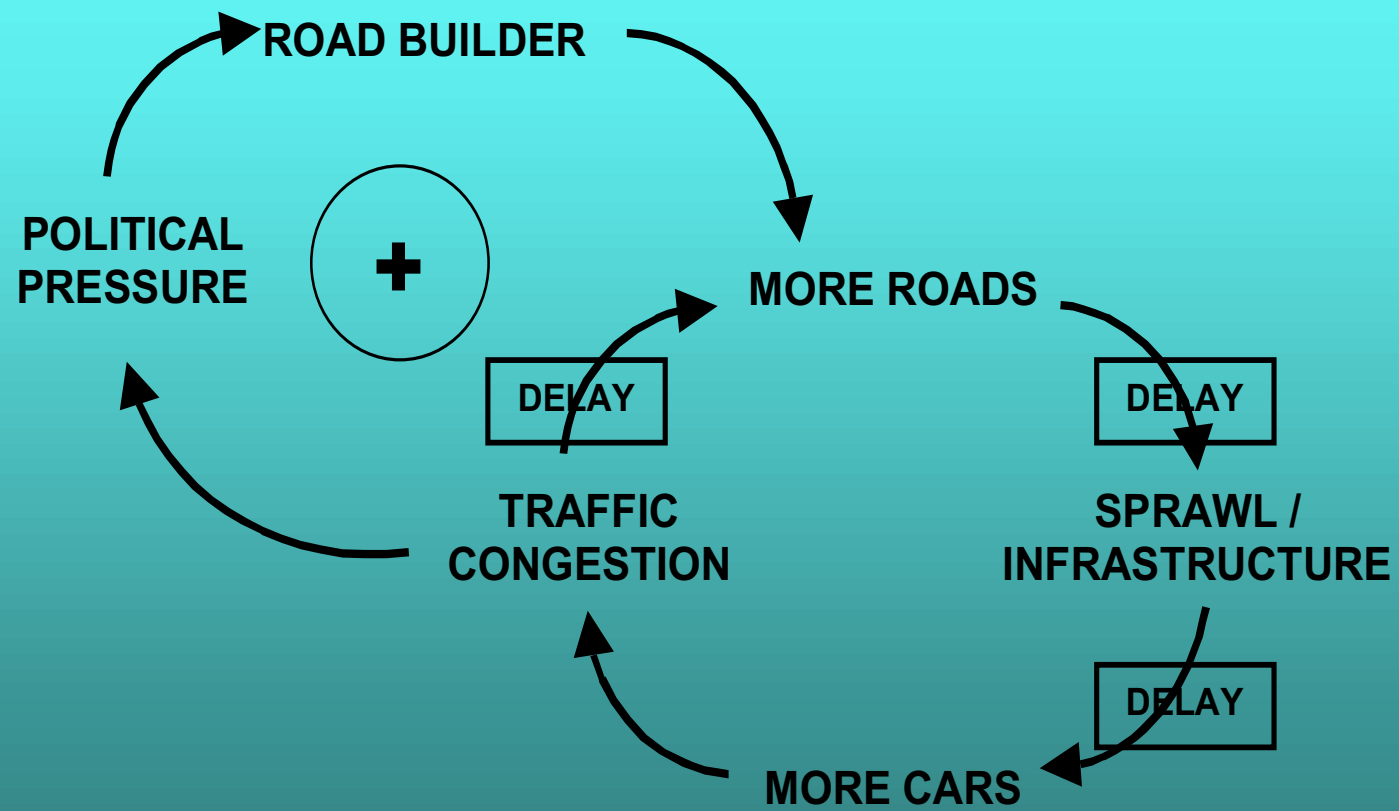
### Enlarging the boundaries

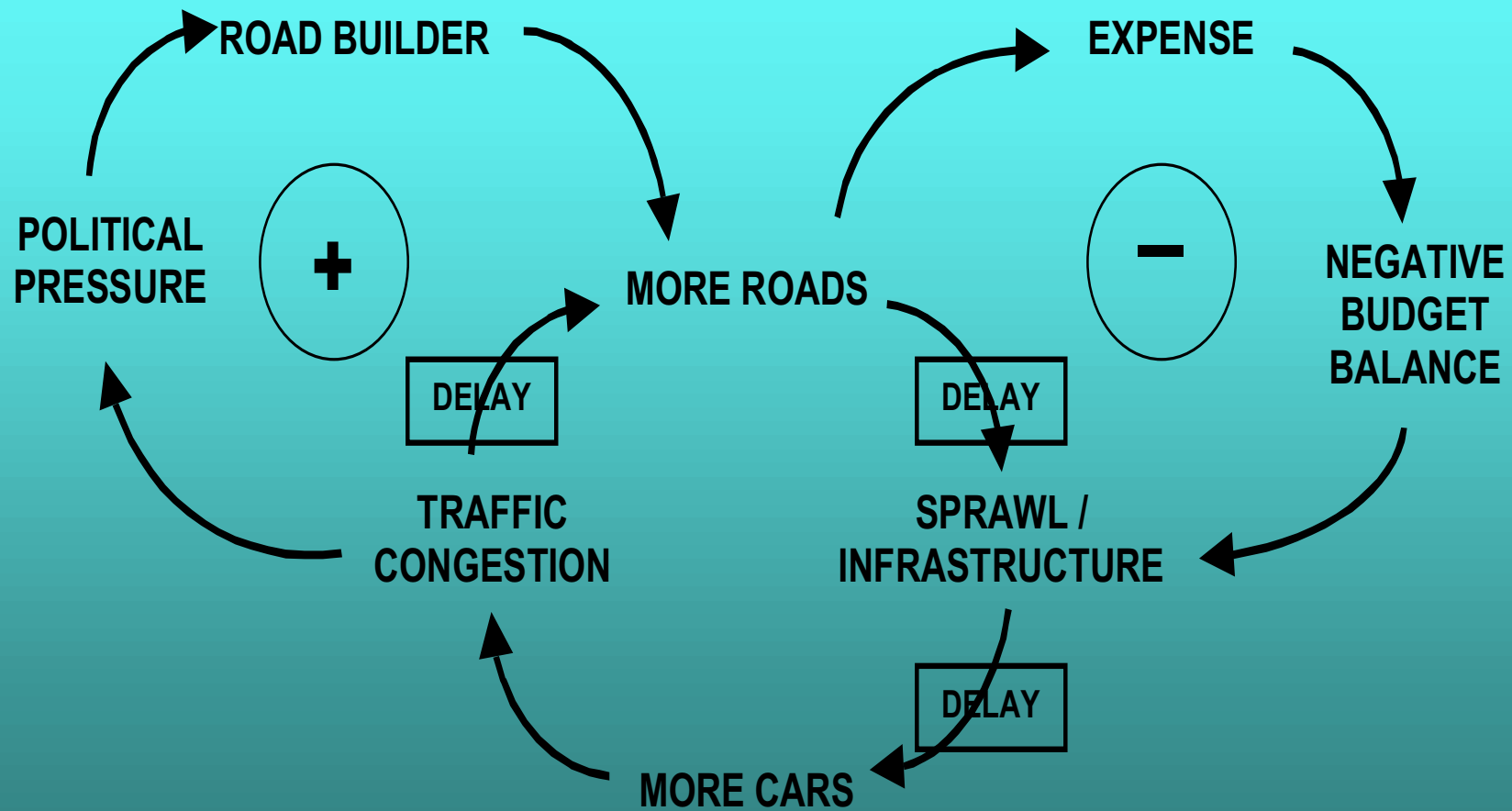
Fig 1

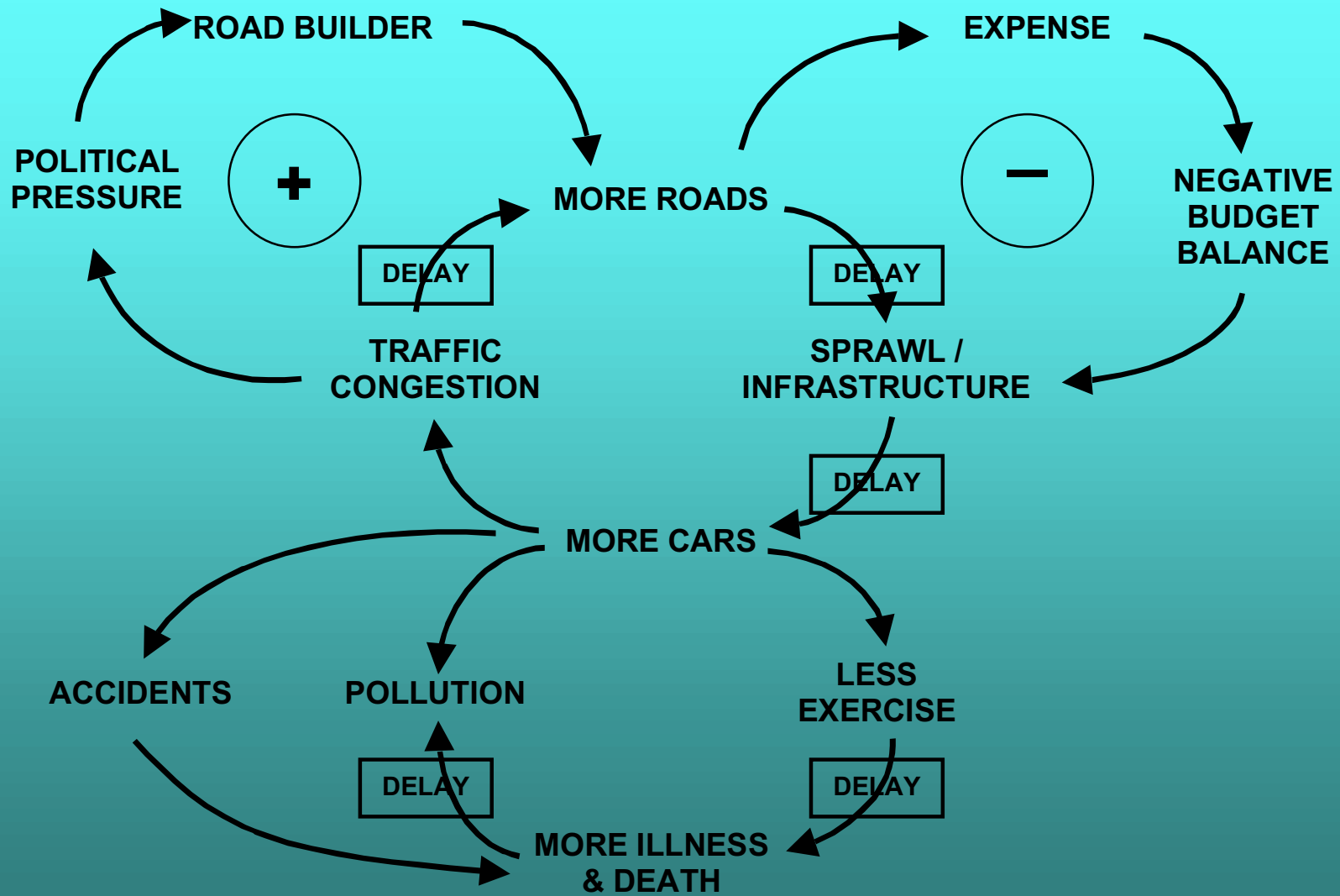
Model of the Technocorporate State (modified from Fischer, 1990)

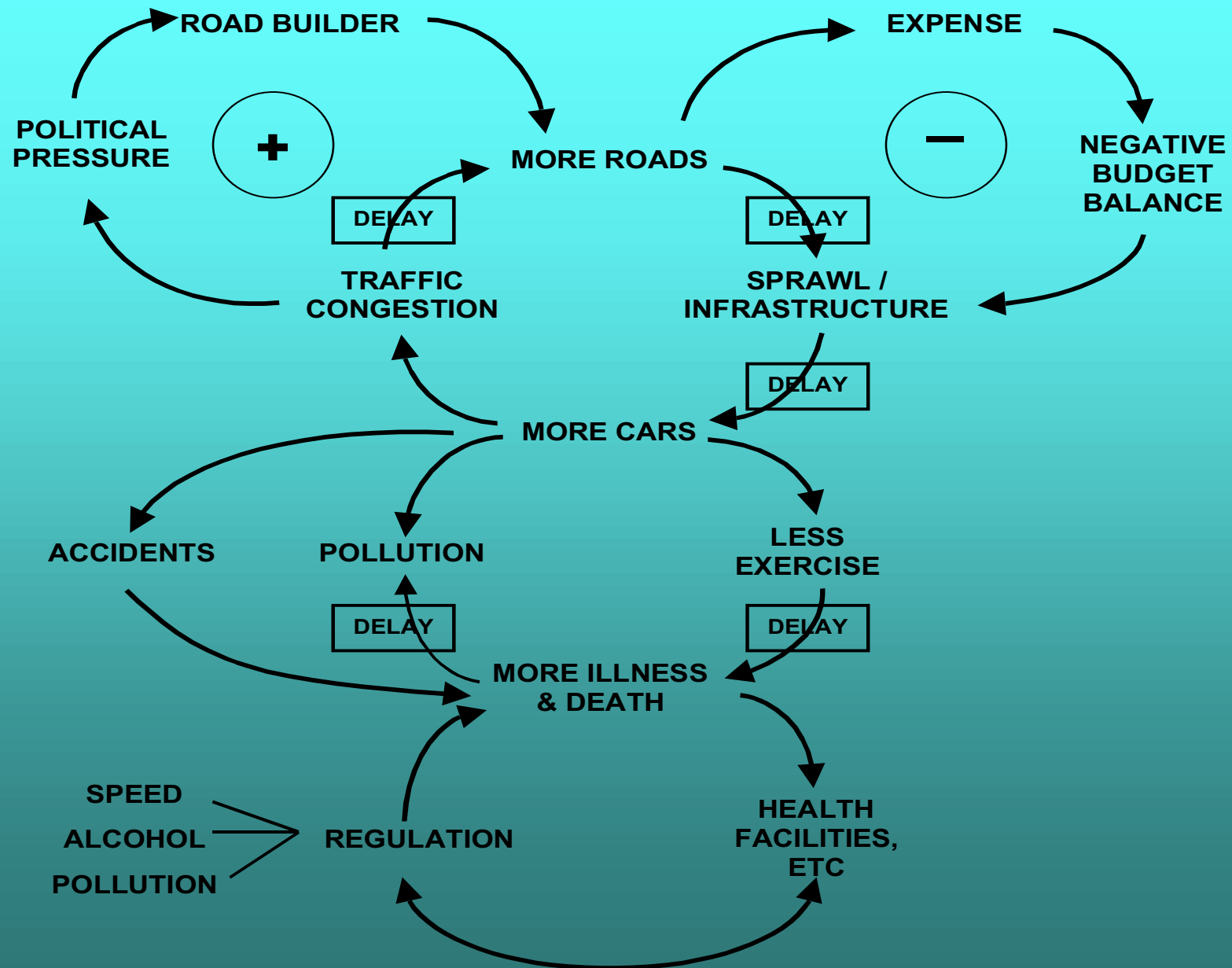














## **Formation of the Banyule Bicycle Users Group**

- **Aim:** To form a bicycle users group in a new municipality in Melbourne
- **Stakeholders:** cyclists, council, bicycle retailers, schools, peak bicycle group for Melbourne, etc.
- **Leverage:**
  - the name helping legitimise the group
  - partially formed bicycle strategy
  - bicycle coordinator's existence and activities
  - peak bicycle group (Bicycle Victoria)
- **Communication** with stakeholders, especially cyclists
- **Public meeting**
- **Results:**
  - thriving B.U.G.



## RACOF

- Richmond action coalition on freeways
- Formed during community reaction to Southern Bypass rumours/proposals
- Concerns: air pollution and threat to health
- Aims: to have the Burnley tunnel vent raised from 20 to 40 metres, and to have air cleansing technology installed
- Processes
  - Small group of activists in large group of concerned Richmond residents
  - Very extensive researching of background information
  - Precautionary principle

## RACOF processes (cont)

- Communication with wider community and other stakeholders
  - Care to use only well researched factual material
  - Use of letter writing to stakeholders and press, letter drops, newsletters, public meetings, guest speakers
- Adversarial relationships with TOJV and EPA
  - Direct meetings with TOJV officers
  - Public meetings
  - Press
  - AAT

## RACOF Results

- **Failure in aims, BUT:**
- Establishment of Community Advisory Committee for City Link in YCC
- Support from the elected YCC
- Commitment to air quality monitoring by YCC
- Accommodation of air cleansing technology in Burnley vent stack on order of AAT

## SOUTHERN UNITY GROUP

- Community group in Southern Richmond concerned with improving the visual and noise impacts of City Link on a small defined section of Richmond
- Well defined stake-holders
  - Residents, Richmond Primary school, local businesses, local chamber of commerce, TOJV, Yarra City Council
- Processes
  - Very extensive networking, formation of strong data base, clear visual presentation, cooperation with very little confrontation
- Results
  - Transparent upper part of sound wall, landscaping