

Bandung, Bandung City, West Java, Indonesia



# LAND EXPLOITATION

2 km  
2 mi



Google

2016



# Google Earth Engine

- DATASETS
- FAQ
- TIMELAPSE**
- CASE STUDIES
- PLATFORM
- BLOG
- SIGN UP

Bandung, Bandung City, West Java, Indonesia



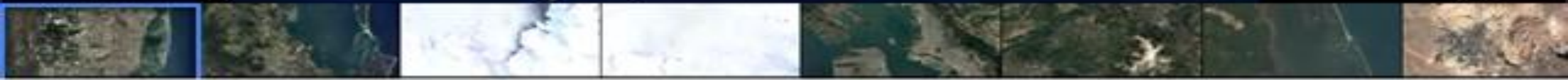
2000 km / 2000 mi scale bar

1984 Medium

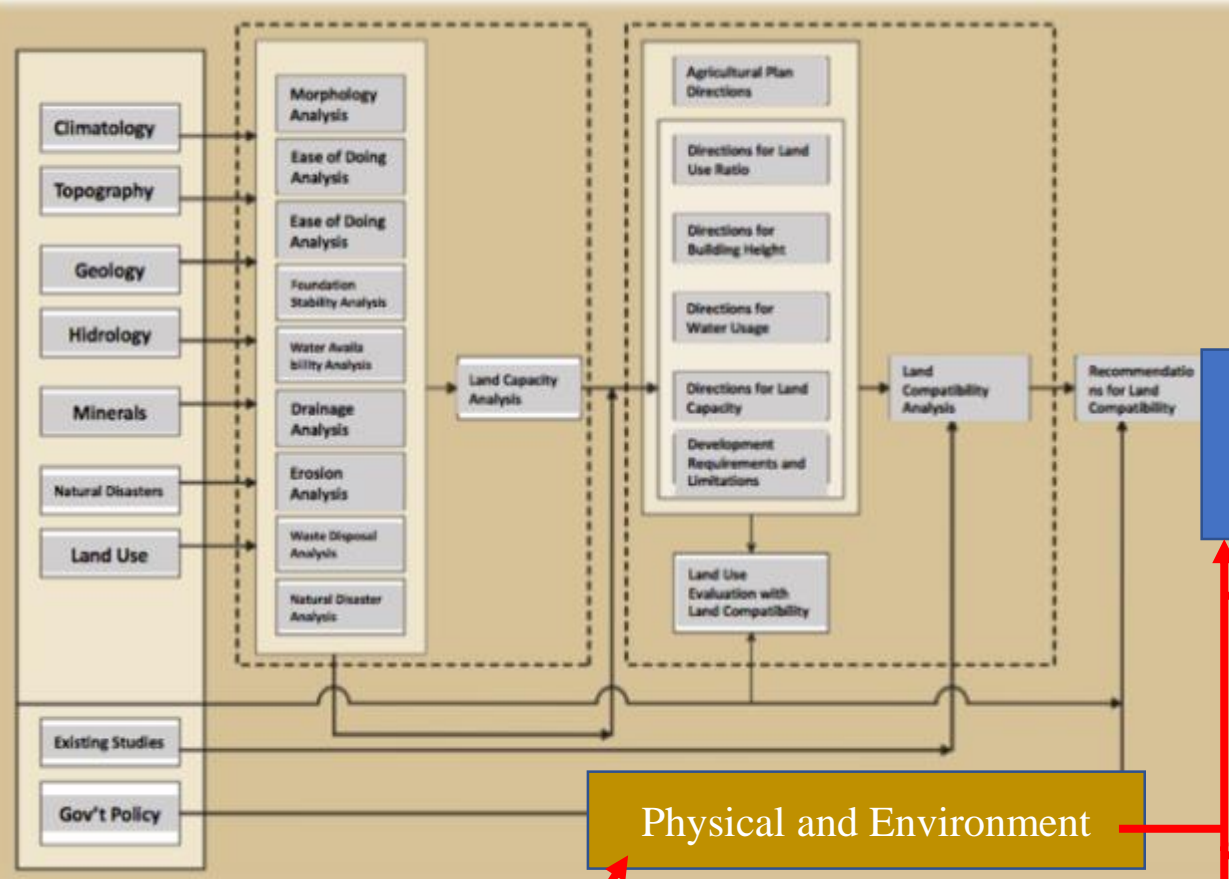
1964

Google

2016

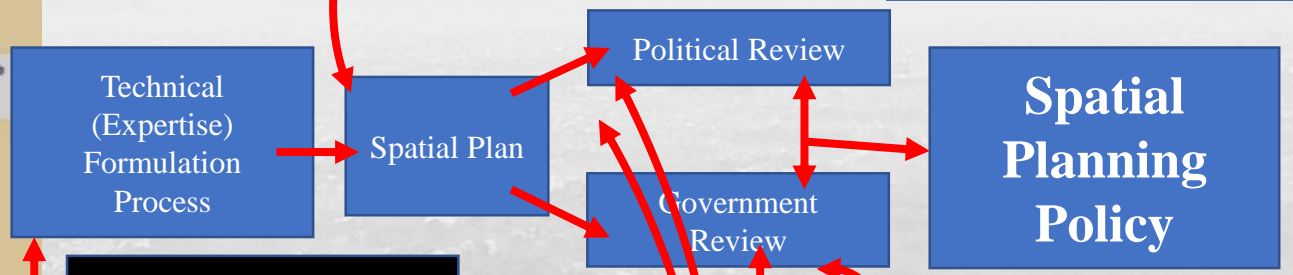


# Systems Modelling

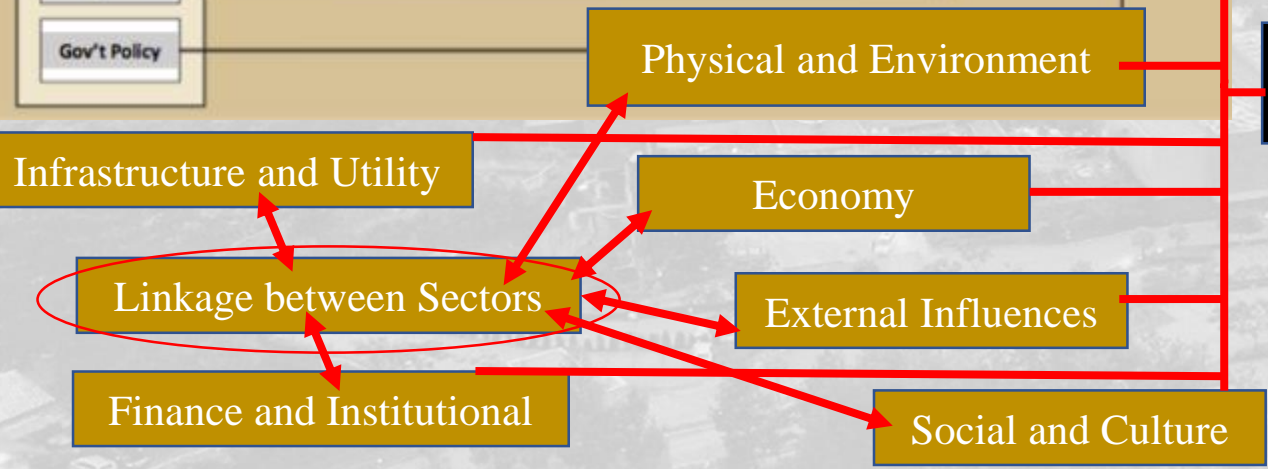


**Weather, Climate, Sunlight, Pollution, Natural Disasters, Manmade Disasters**

- PROCESS
- ACTORS
- CONCEPTS
- NATURE



- Academia
- Businesses
- Foreign Government
- National Government
- Local Government
- Consultant / Experts
- Community



**TIME AND COST**



# Simplified Systems and Answers

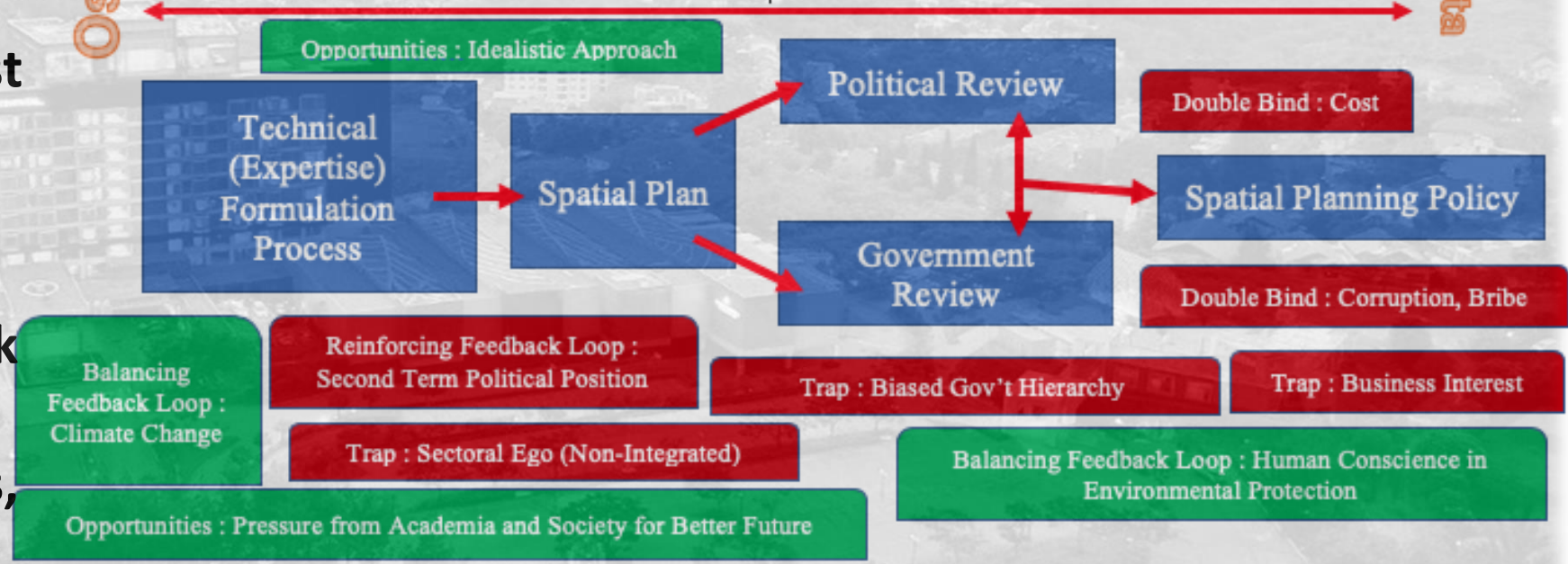
- Control the Development of Our Cities
- Perform Systems Thinking to Intervene
- Aiming for Shared Visions and Understanding amongst Actors
- We Cannot Please Everybody !
- Related with Ostrom's Work in Integrating Together between Local Perspectives, Decision-Making, and Science-Academic Approach

Meadows' Thinking in Systems Capra's Systems View of Life

Ostrom's 8 Principles

Bateson's Criteria Warm Data

## GUIDELINES



## FINAL PROJECT