

# Different governance settings in the adoption of eco-dynamic designing

Dorien Korbee  
Environmental Policy Group, WUR  
Building with nature, EcoShape



## Content

- Practices of 'greening' of marine infrastructure
  - Marine infrastructural projects
  - Changing governance capacity
  - Adoption of ecodynamic design principles
  - Using the Policy arrangement approach
  
- Project arrangement



## Building with Nature

- Relation anthropocentric activities & nature



- Building in Nature
- Building of / for Nature
- Building with nature

## Building with Nature

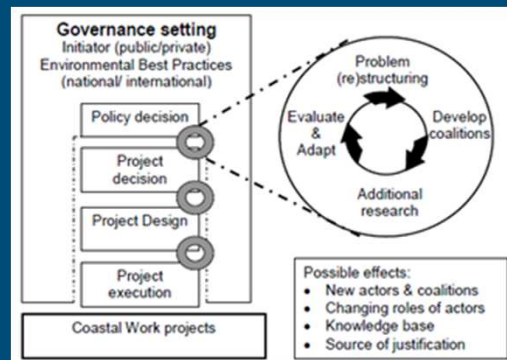
- Ecodynamic design principles
- Innovation adoption
- Project-based industry

## Different governance settings

- Change in governance capacity

- 4 main 'actors'

- Principal
- Financier
- Consultant
- Constructor



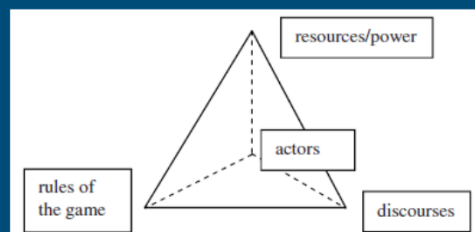
## Theoretical Model

- Policy arrangement (*van Tatenhove, Arts & Leroy*)

- Analysis policy processes
- Under conditions of Political Modernisation

- Project arrangement

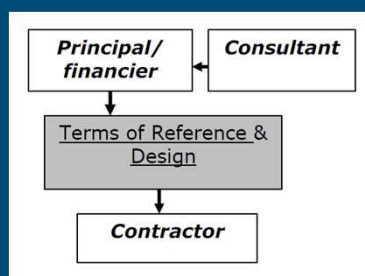
- Actors
- Rules of the game
- Resources
- Discourse



## Project arrangements

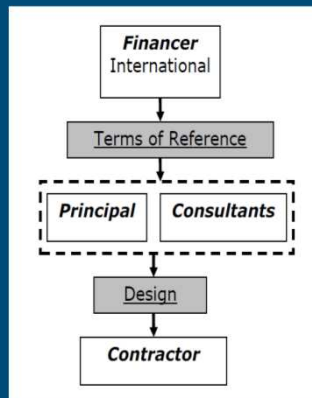
- 25 projects
  - Tender documents, EIA's, project reports etc.
  - Terms of Reference & Design
- Four ideal typical project arrangements
  - **Actor coalitions**
  - Rules of the game
  - Resources
  - Discourse

## Project arrangements: Conventional



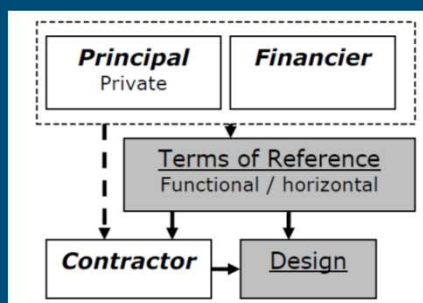
- Public principal
- National regulations
- Financial, knowledge & execution means
- Strengthening national economy

## Project arrangements: Global



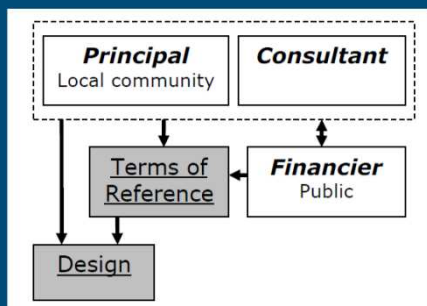
- Global financier, public principal
- Global regulations
- Conditional money
- 'Development'

## Project arrangements: Private



- Private principal & constructor
- Local regulations & CSR
- Economic feasibility
- 'Business case'

## Project arrangements: Local



- Local Community, public financier
- Local regulations
- Small scale
- 'community based' & strengthening local economy

## Project arrangements

|                   | Conventional          | Global                             | Private                         | Local                             |
|-------------------|-----------------------|------------------------------------|---------------------------------|-----------------------------------|
| Actors            | Public principal      | Global financier, public principal | Private principal & constructor | Local Community, public financier |
| Rules of the game | Local regulations     | Global regulations                 | CSR                             | Local regulations                 |
| Resources         | Financial & knowledge | Conditional money                  | Economic feasibility            | Small scale                       |
| Discourse         | 'National economy'    | 'Development'                      | 'Business case'                 | 'community based'                 |

## Ecodynamic design

- What can we learn from this analysis for the enabling and constraining conditions in the adoption of ecodynamic design principles?
  - Technical innovations
  - Spatial adjustments
  - Start with understanding the ecosystem

## Project arrangements and EDD

|                   | Conventional          | Global                             | Private                         | Local                             |
|-------------------|-----------------------|------------------------------------|---------------------------------|-----------------------------------|
| Actors            | Public principal      | Global financier, public principal | Private principal & constructor | Local Community, public financier |
| Rules of the game | National regulations  | Global regulations                 | CSR                             | National/ local regulations       |
| Resources         | Financial & knowledge | Conditional money                  | Economic feasibility            | Small scale                       |
| Discourse         | 'National economy'    | 'Development'                      | 'Business case'                 | 'community based'                 |

## The way forward

- Focusing on four specific cases
  - Interrelations between actors
  - Discourses used
  - Global and local influences
  
- Projects not as 'stand alone'
  - Global flows, interconnections between various projects
  - Transfer of 'best practices' from project to project
  - Castells

## Thank you for your attention

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