Deltares
Enabling Delta Life

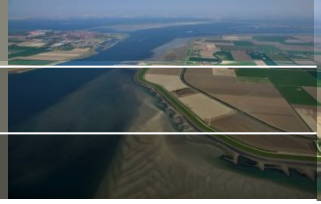
Governance, Design and Spatial Planning

TUD Summer School on Regional Planning and Design with Water

Gerda Roeleveld

23 juli 2014

Overview



1. Governance: what is it?
2. Governance, design & science (theory)
3. Some tools and methods
4. Examples

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Governance

κυβερνάω
(*kubernáo)*

to

steer,
guide,
direct

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Governance

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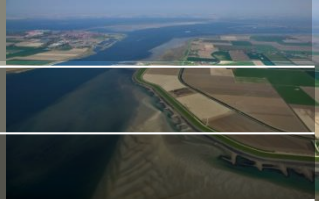
Governance



Eight qualities

- Responsive
- Transparent
- Consensus oriented
- Equitable and Inclusive
- Effective and Efficient
- Follow the rule of Law
- Participatory
- Accountable

Figure 5: UN principles of good governance

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Governance

Goal
&
Actions

Dialogue
&
Decisions

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Governance & Spatial Planning

Goal
&
Actions

Dialogue
&
Decisions

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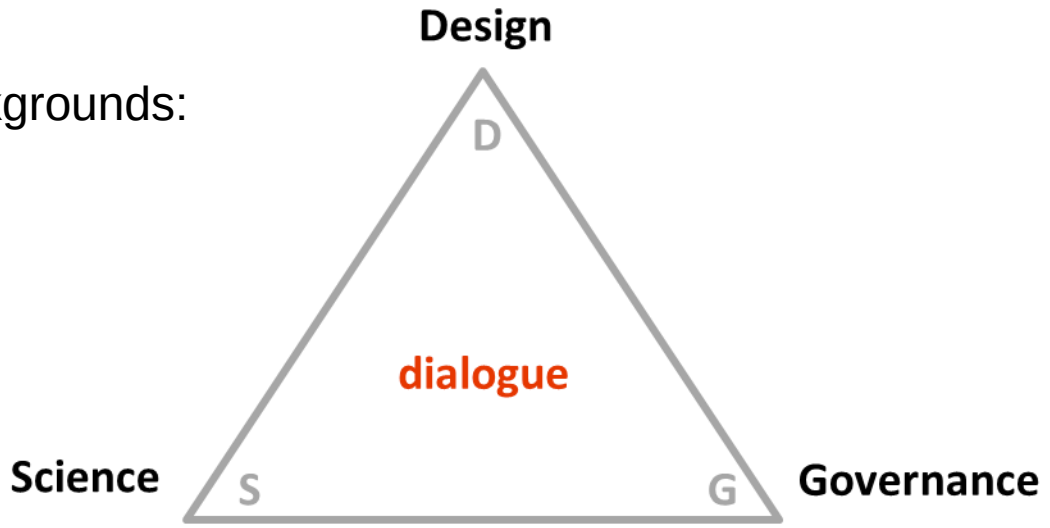
Governance & Spatial planning, Theory

Spatial Planning Triangle (IPDD, 2014)

Players from different backgrounds:



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Governance & Spatial planning, Theory

Spatial Planning Triangle (IPDD, 2014)

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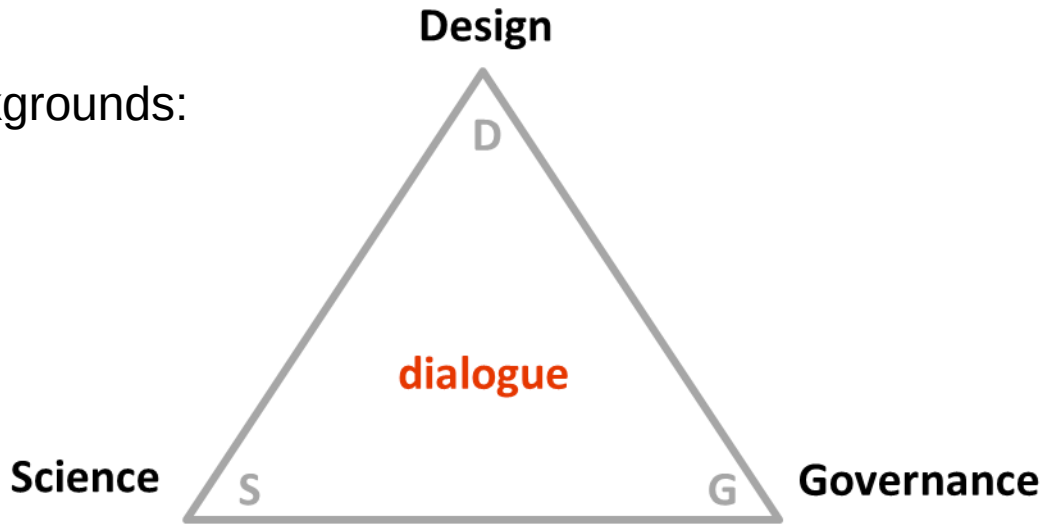
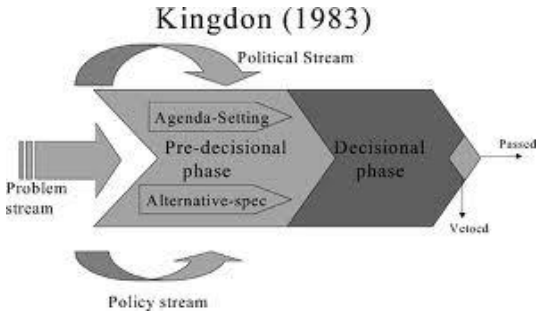
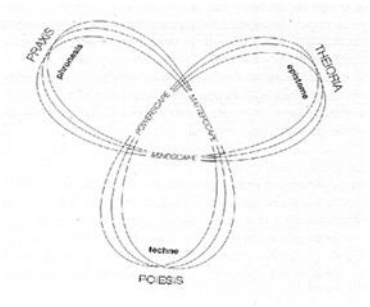


Based on:



Model from the field of public administration science



De Jonge (2009)
Derived from Aristotle's definition of 'the good life'

Model from the field of Landscape architecture

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S, D & G: fundamental differencies

Stroom	Doel	Inwinning primaire data (uit directe waarneming)	Be- en verwerking data	Presentatie
Wetenschap Science	Het verkrijgen van inzicht in het functioneren van het systeem. Zoekt naar / hecht grote waarde aan: universeel geldige principes, verklaren vermogen, waardevrijheid (intersubjectiviteit), methodische werkwijze, reproduceerbaarheid, standaardisering van het waarnemingsproces,	Informatie uit veldmetingen en meetnetten. Gebruik van basisgegevens uit geo-informatie infrastructuren. Kennis van onzekerheid in de gegevens is belangrijk.	Analyse van de gegevens in termen van: - ruimtelijke verbanden (bijv. GIS-bewerkingen, terreinmodellen of stroomschema's) - oorzaak-gevolgrelaties (bijv. simulatiemodellen)	Tabellen, schema's, (gegeorefereerde) kaarten en films/animaties gericht op demonstratie, wetenschappelijke verantwoording en verificatie. Aangeven van onzekerheden. Tekst veelal als toelichting op cijfers. Tekst volgt gestandaardiseerde, logische redeneerlijn
Ontwerp Design	Het ontwerpen van alternatieve inrichtingsmogelijkheden Zoekt naar / hecht grote waarde aan: betekenisgeving (ruimtelijke kwaliteitswaarden), inspiratie, kracht(ig) beelden,(het vinden van) de 'knoppen van het systeem' (systeemvariabelen waarmee de werking van het systeem gemanipuleerd kan worden), vrijheid van werkwijze, unieke eigenschappen van het gebied, voorstellingsvermogen vermogen	Persoonlijke impressies in woord en beeld (waarnemingsstudios in het veld, vastgelegd in foto's, schetsen, korte beschrijvingen)-Verhalen over het gebied (uit literatuur, modellering van bewoners' rol) Gegeneraliseerde wetenschappelijke kennis. Zeer grote thematische diversiteit. Onzekerheid en actualiteit van gegevens minder belangrijk.	Ontwerp-motto's) (inspirerende leidraad voor ontwerpbeslissingen) Visuele vergelijking alternatief mbv "overlay" technieken. Intuitieve oorzaak-gevolg-relaties Visuele generalisaties ('door de oogharen heen kijken') Constructie van nieuwe verhaallijn(en)	(Niet gegeorefereerde) kaarten gericht op inspiratie, overtuiging/verleiding en beeldvorming Tekst en foto's veelal als toelichting op de kaartbeelden. Een 'verhaal'
Governance Governance		Verzamelen van primaire gegevens via survey's of interviews. Monitoring van sociaaleconomische ontwikkeling	Samenvatting in tabellen of beschrijving van case studies	Tekst. Tabellen, kaarten en foto's veelal als illustratie van de tekst.

Different paradigms, different research methods, different means of communication, different beliefs, different etc.....

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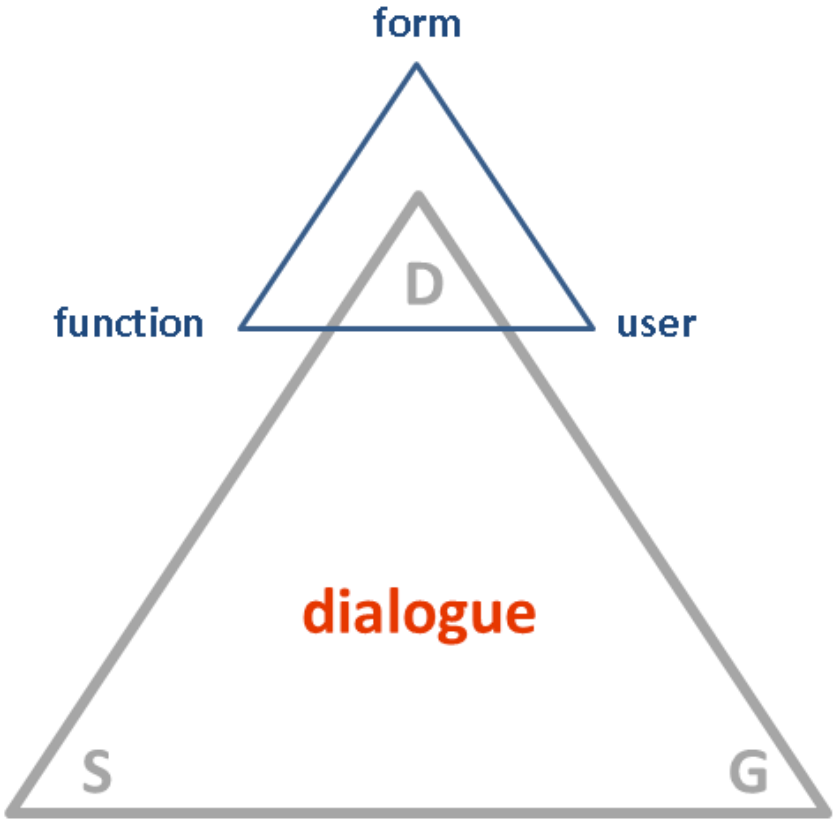
‘Inside’ Design



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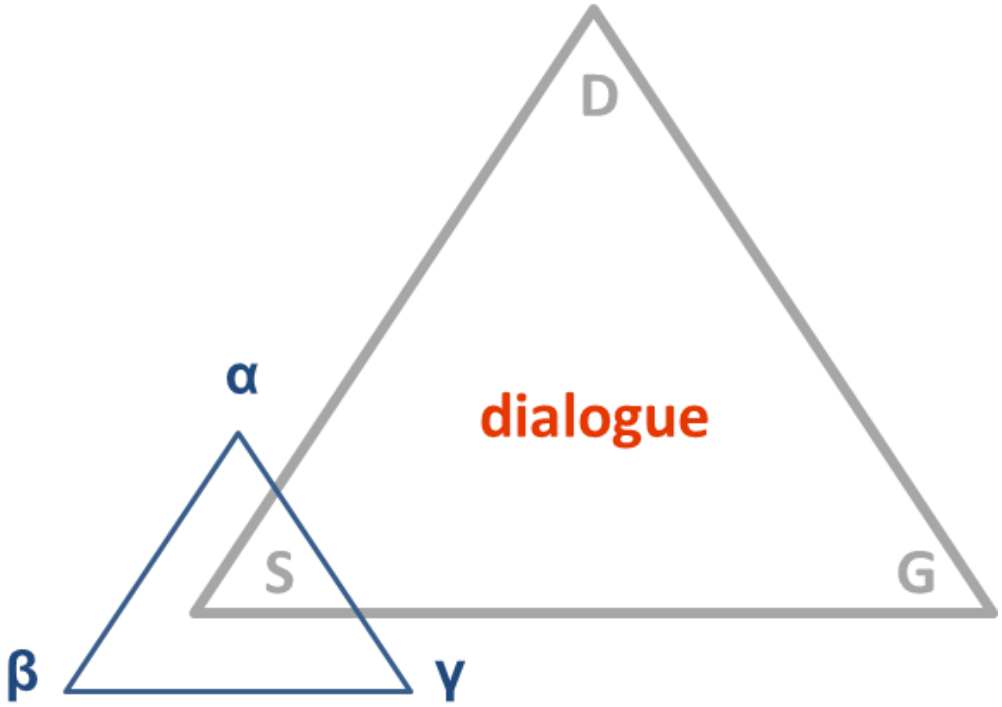
‘Inside’ Science



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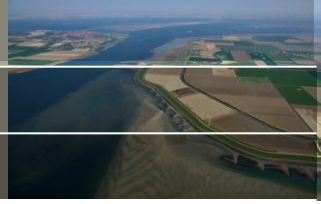
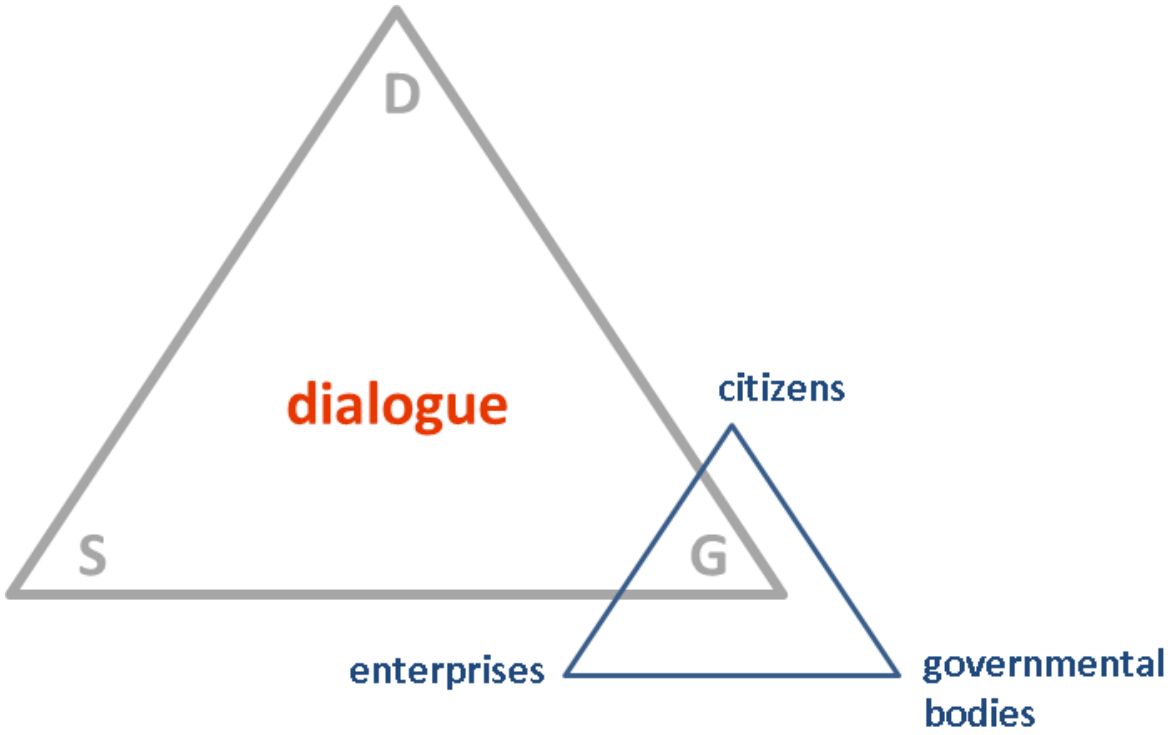
‘ Inside’ Governance





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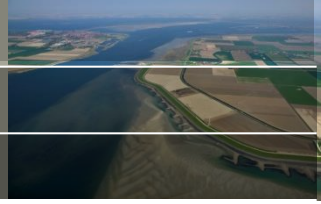
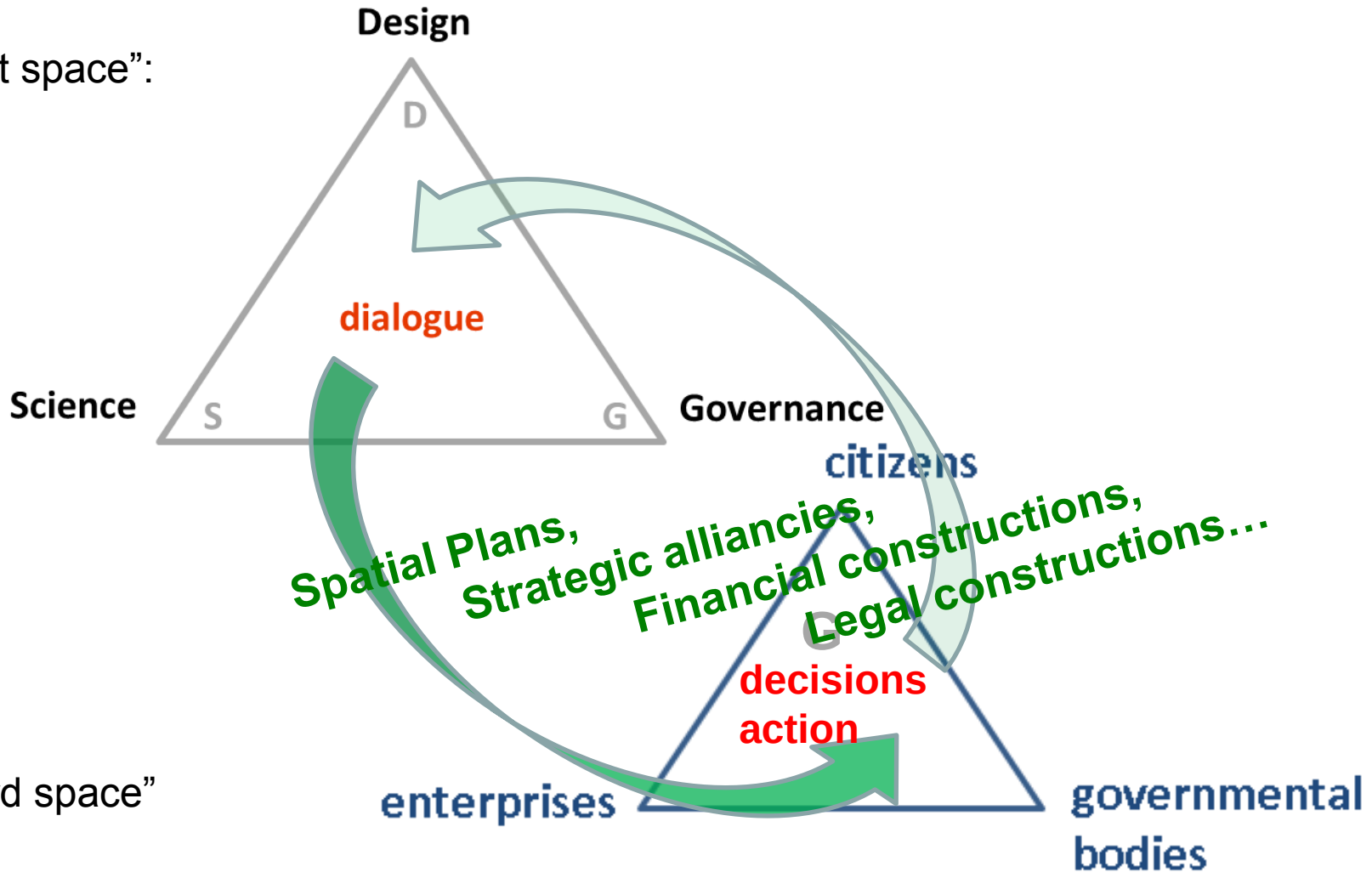
Dialogue & decisions/action



“Soft space”:



“Hard space”

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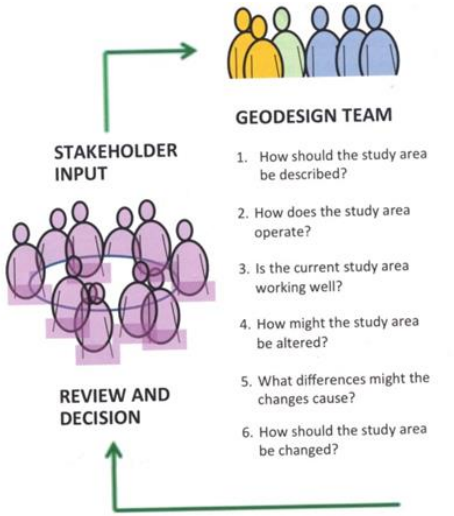
Spatial planning process cycle

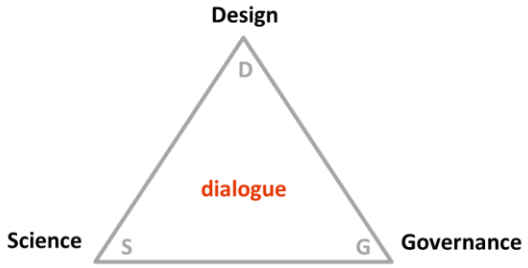
Perseus (EU-project, 2013)

IPDD, 2014



Geodesign, (Steinitz, 2013)

Dialogue applies to every step!



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Tools & Methods: stakeholder analysis

WHO do you invite?

Project name		Interest of the stakeholder			
		Unknown	Little/ No interest	Some interest	Lots of interest
Power of stake-holder	Lots of power	lots of influence, not important for the project (can influence it though) *Keep satisfied*		lots of power, important for the project *Key player*	
	Some power				
	Little/ no power	little influence, not important for the project *Minimal effort*		important for the project *Keep informed*	
	Unknown				

Source: Mendelow (1991)

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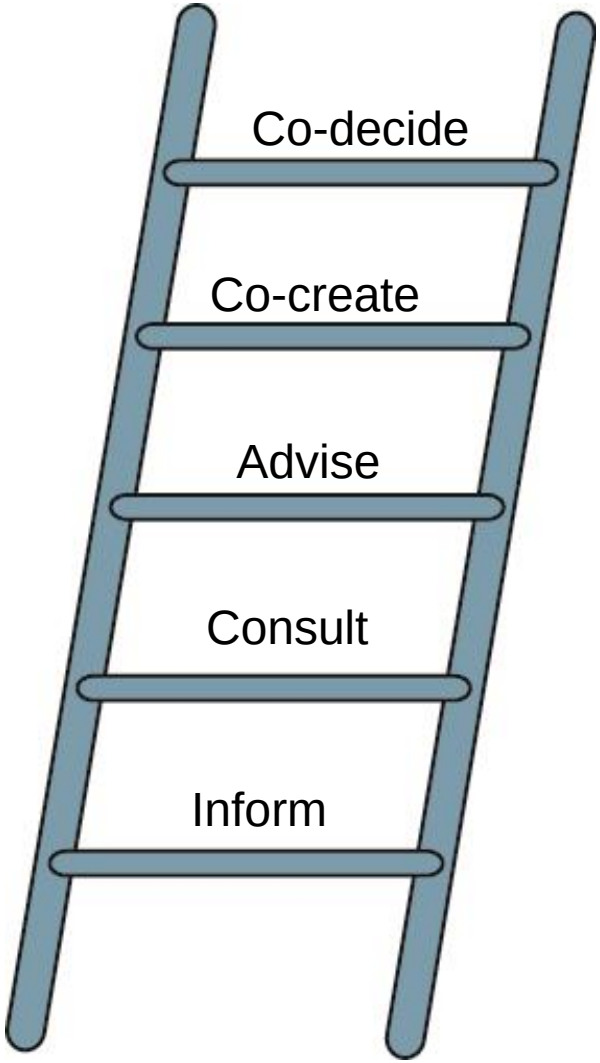
2. Extent of participation



What is the EXTENT of their engagement?

Edelenbos and Monnikhof, 2001

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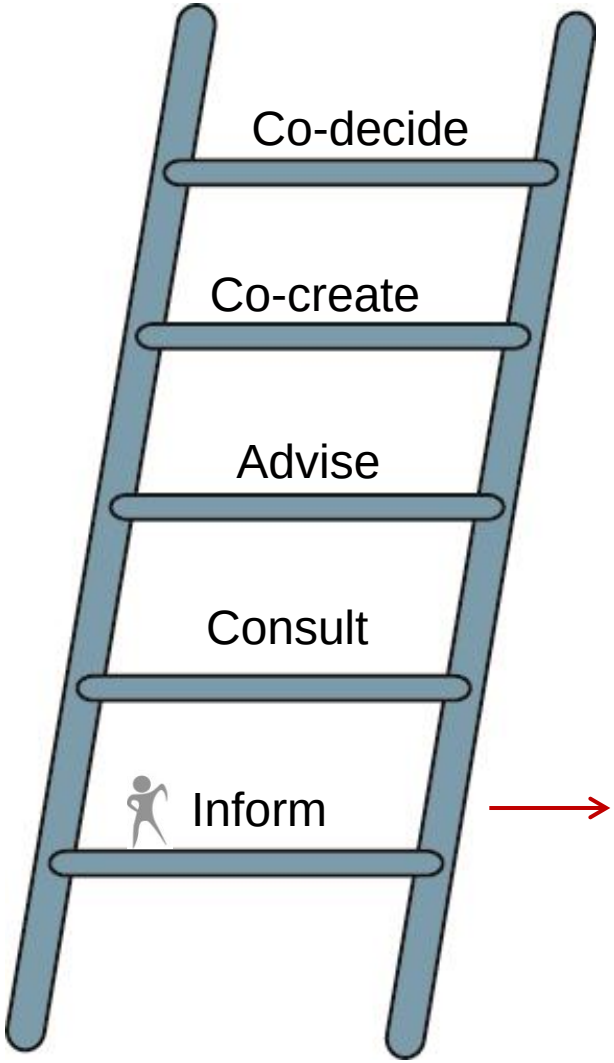
2. Extent of participation



What is the EXTENT of their engagement?

Only necessary information is shared with stakeholders

Stakeholder is listener

Edelenbos and Monnikhof, 2001

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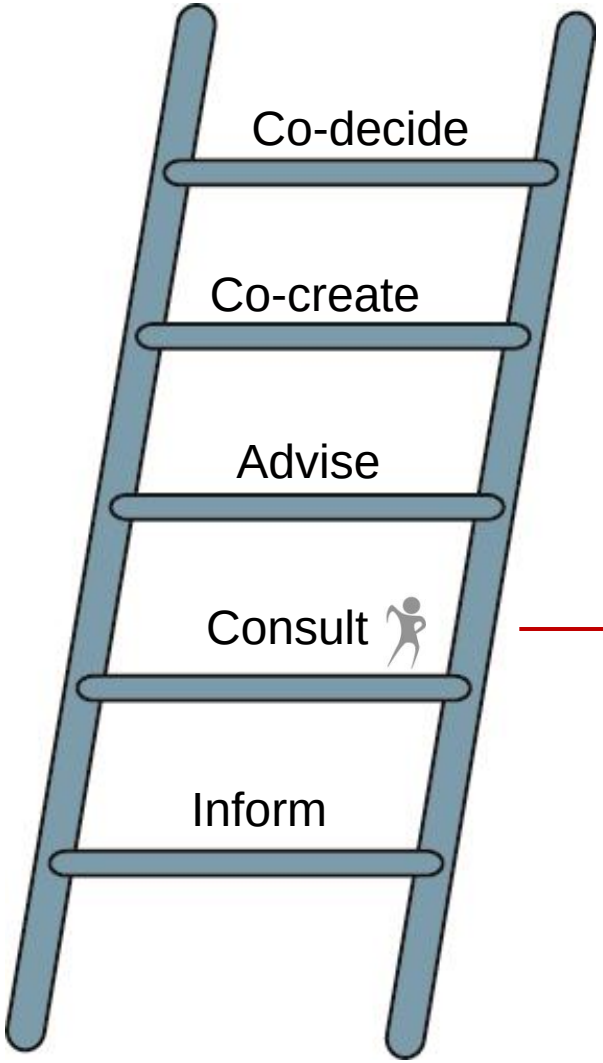
Extent of participation



Stakeholders are consulted in a non-binding manner

Stakeholder is consulted

Edelenbos and Monnikhof, 2001

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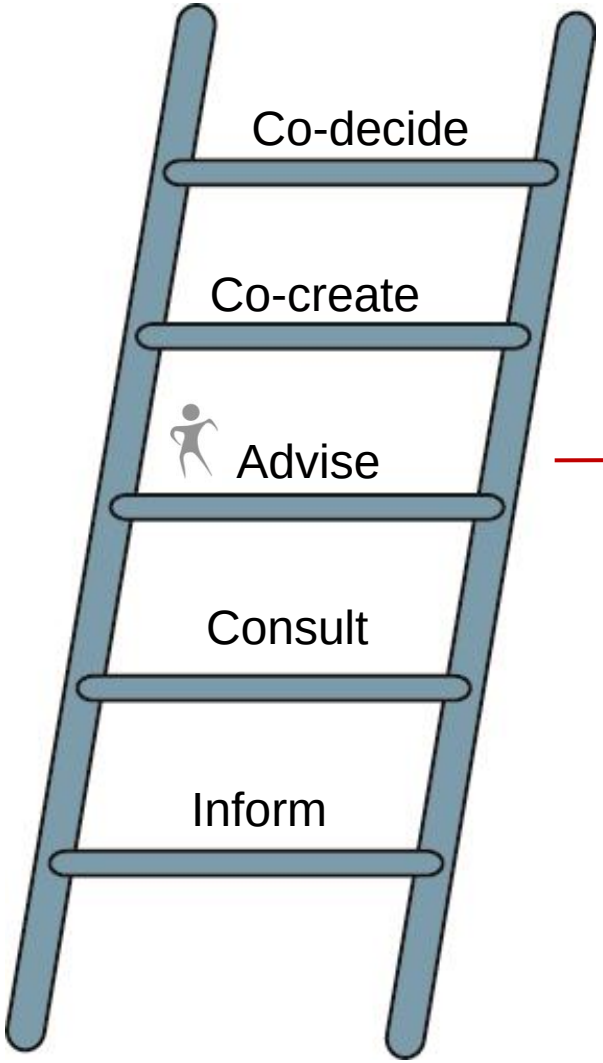
Extent of participation



Agenda setting by instigator; stakeholders propose problems and solutions

Stakeholder is advisor

Edelenbos and Monnikhof, 2001

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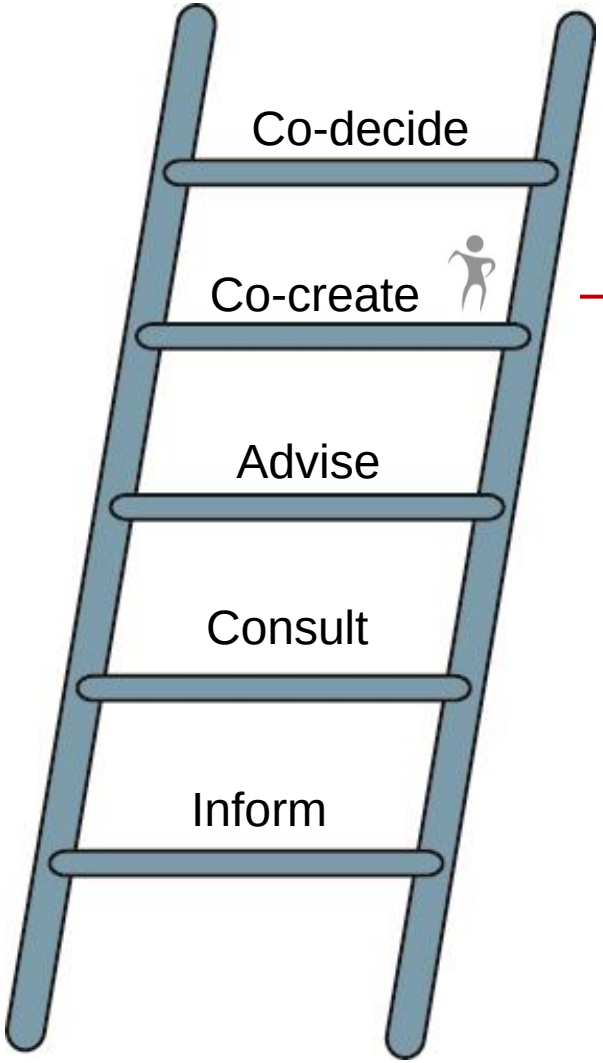
Extent of participation



Instigator and stakeholders jointly develop an agenda and look for solutions; instigator is bound to results

Stakeholder is partner

Edelenbos and Monnikhof, 2001

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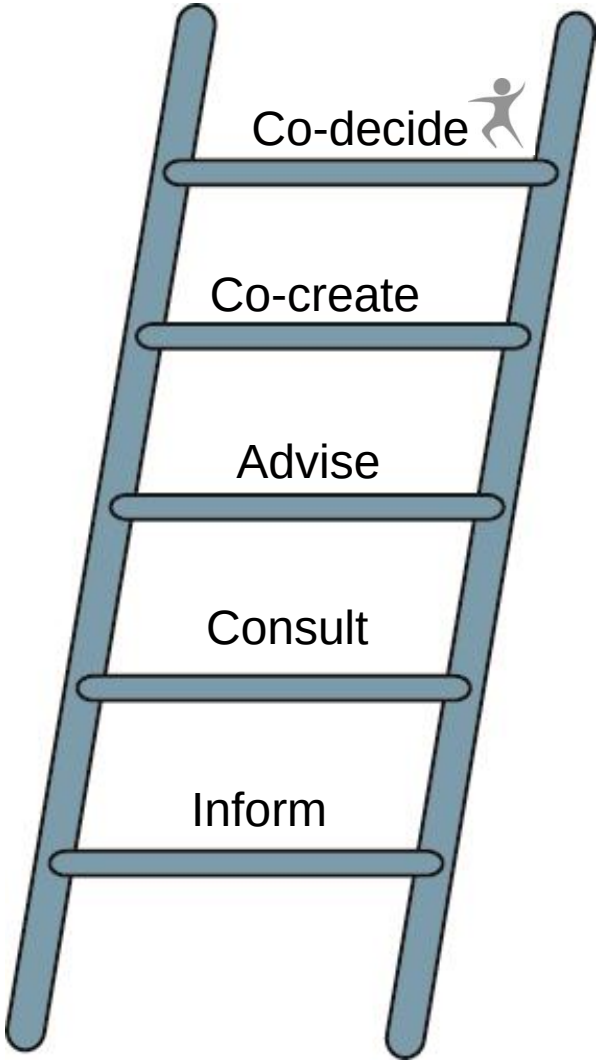
Extent of participation



Stakeholders develop agenda and strategy, instigator merely advises

Stakeholder is decision-maker

Edelenbos and Monnikhof, 2001

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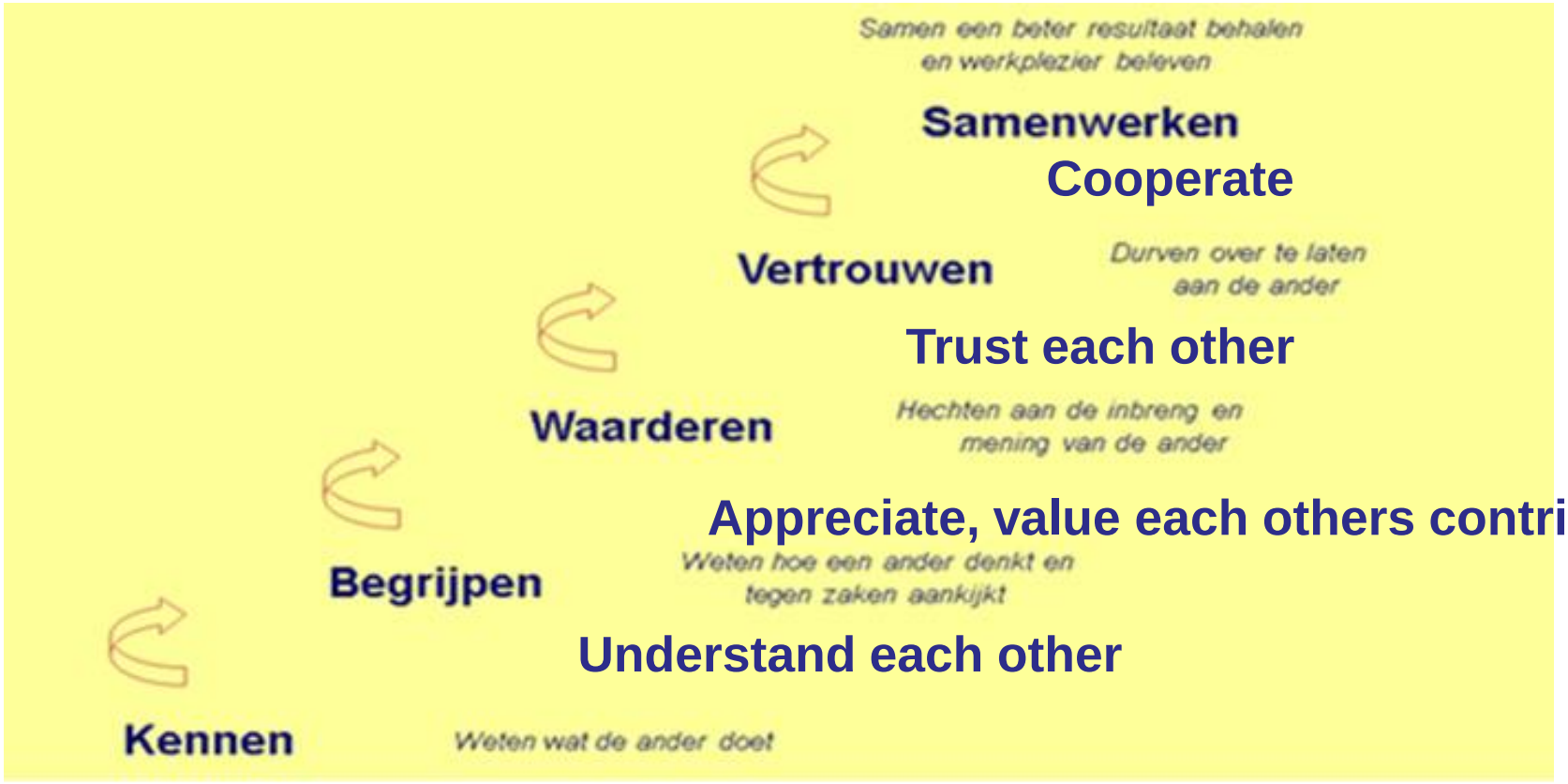
Tools & Methods: Ladder of trust



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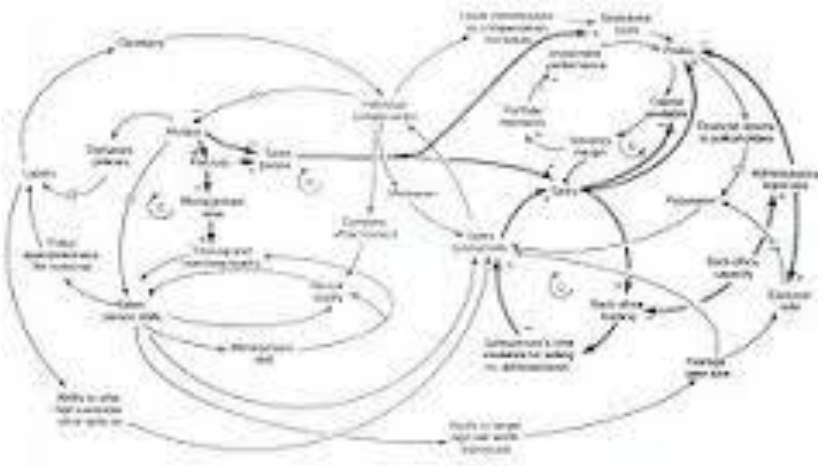
Tools & Methods: Group Model Building



Useful in Description step: **problem definition**

Starting point for: **joint fact finding**

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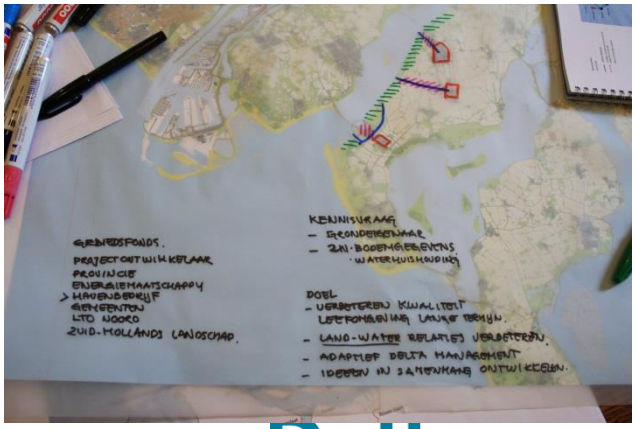
Tools & Methods: Touch tables & serious games

Example: Delta Envisioning System (DEnviS)

Useful for Description and Envisioning: **co-creation**



Tools and methods: participatory monitoring

Measurement of carbon stock by villagers.
Land-use Planning for Low-emissions Development Strategies - project, Papua

Useful in implementation

Reef monitoring. Community members conduct monitoring activities monthly in Maunalua Bay, Hawai. Photo © TNC

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