How?

Actor and network analysis

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How

Six steps to do an extensive actor and network analysis

Illustrated by a case study ‘Wind at Sea’

1. **Problem formulation as point of departure**
2. Inventory of the actors involved
3. Mapping formal relations
4. Inventory of interests, objectives and perceptions
5. Interdependencies: resources and salience
6. Implications for problem formulation and client

Step 1 Problem formulation as point of departure

- Problem owner: Ministry of Economic Affairs (responsible for energy policy)
- Cleft: insufficient sustainable power generation, esp, wind at sea
- Cause: Wind is relatively expensive, production intermittent (dependent on weather conditions)
- Dilemma: more off-shore power generation without impeding security of the Dutch energy supply and affordability

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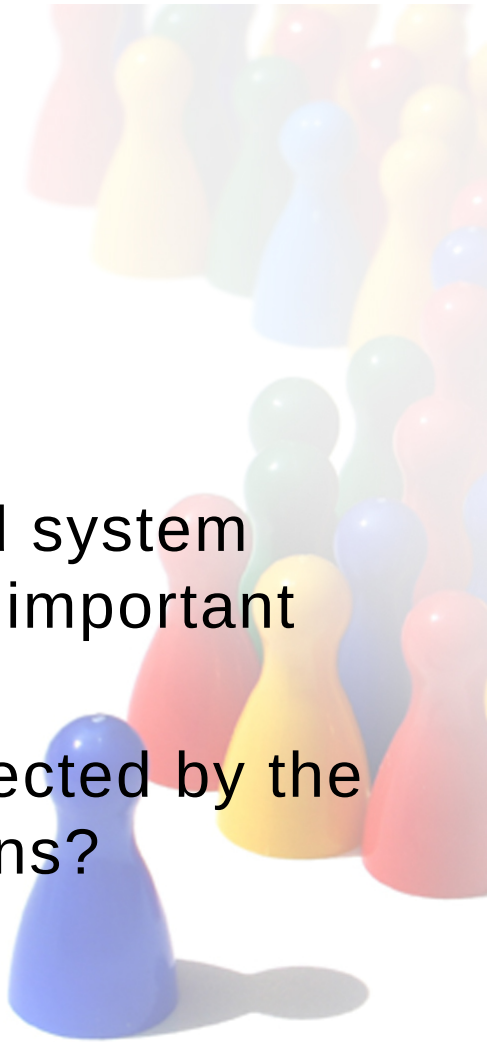
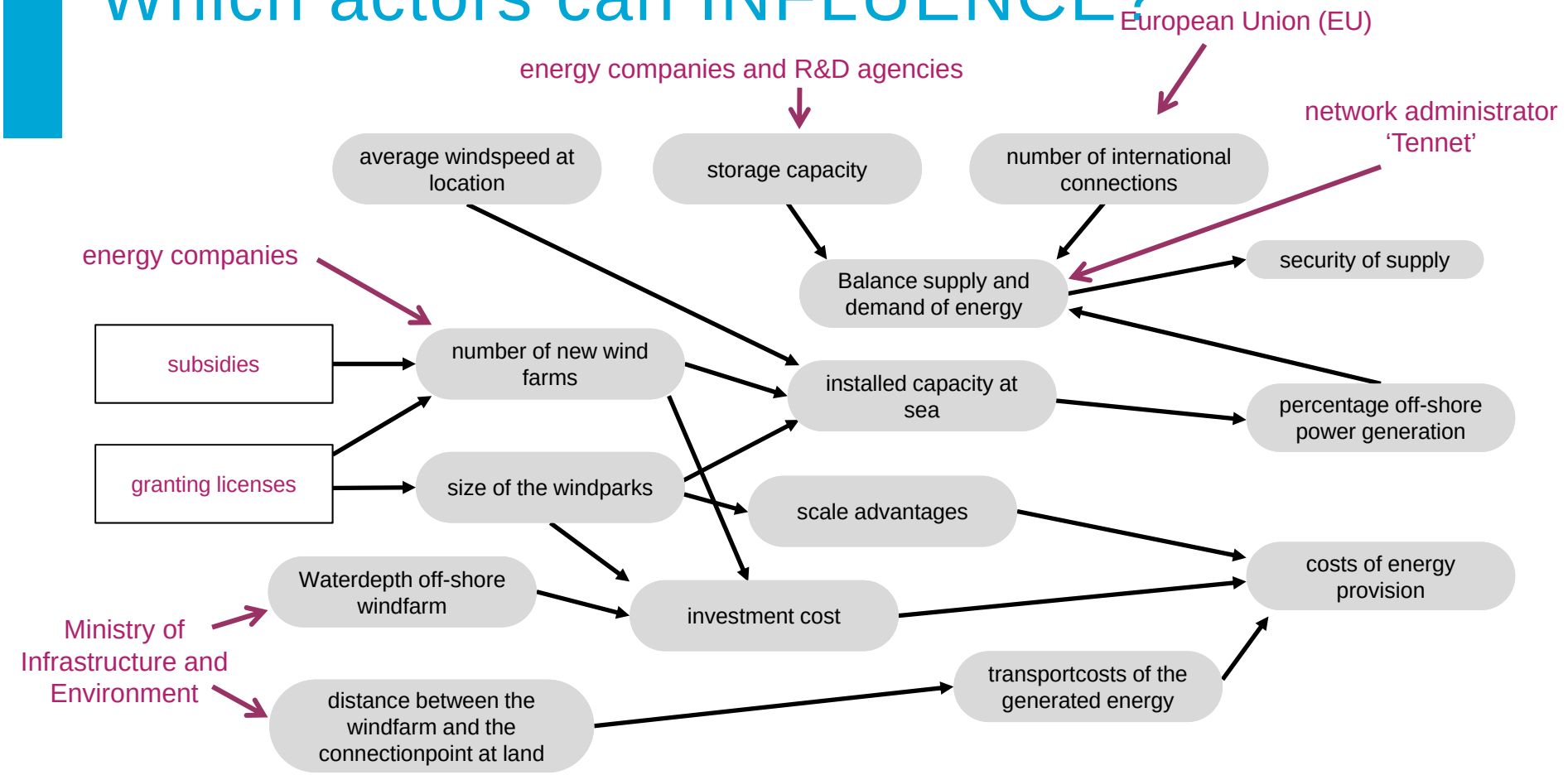
Step 2 Inventory of actors



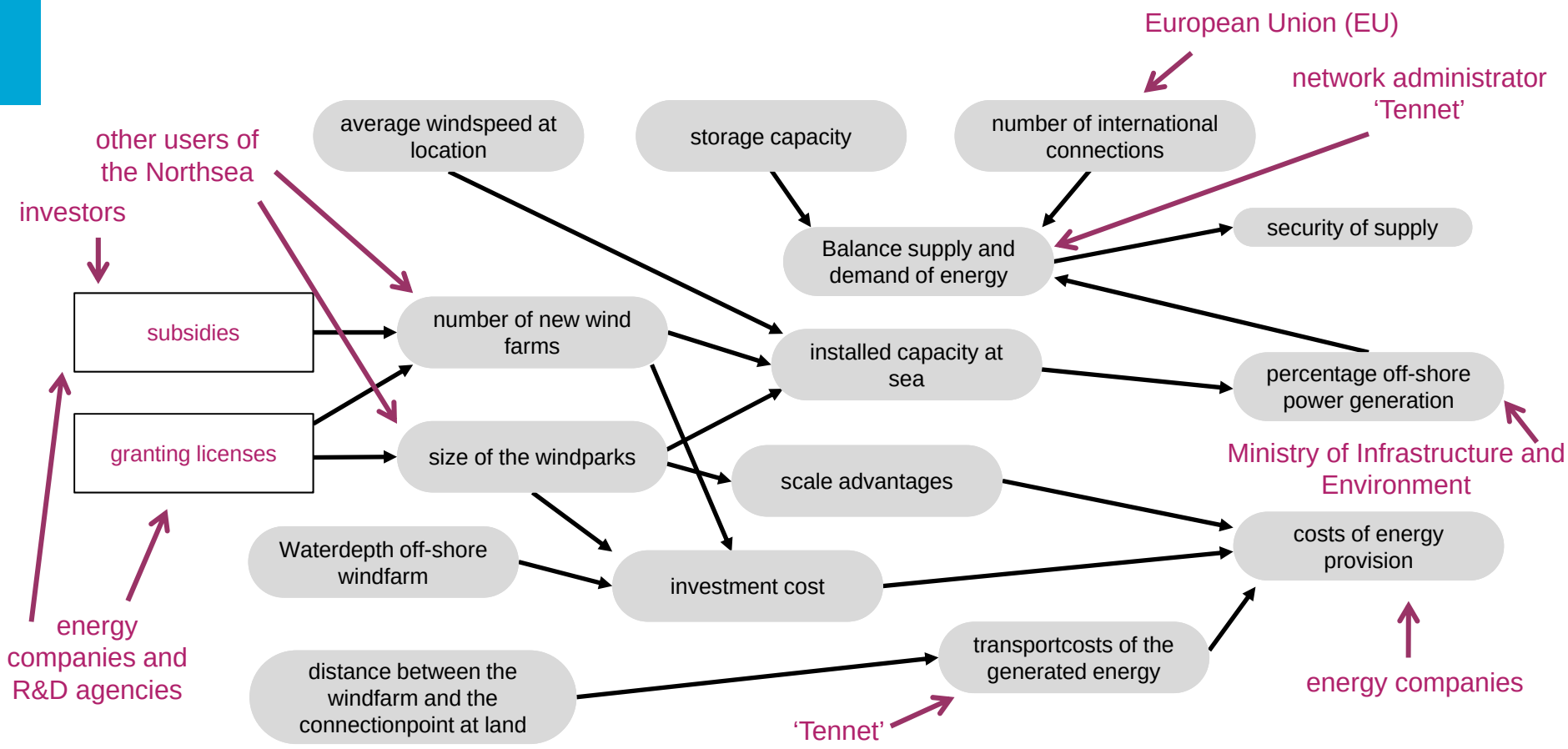
Basic method:

- **Influence:** Use your causal diagram and system diagram; which actors can influence the important factors?
- **Interest:** Who has an interst in or is affected by the problem situation or the possible solutions?
- **-> System diagram**

Which actors can INFLUENCE?



Which actors hold an INTEREST



Actor identification techniques

(See also Enserink et al. P.85)

Basis: 2I’s:

- Influence
- Interest

Actor identification techniques

(See also Enserink et al. P.85)

Further:

- Position (formal positions, see also step 3)
- Reputation (snowballing and ‘focal organization’)
- Social participation
- Opinion leadership
- Demographic characteristics

National Government:

Ministry of Economic Affairs (problem owner)

Ministry of Infrastructure and Environment

Ministry of Finance

Foreign Affairs (EU)

Regional and Local authorities:

Coastal provinces (Zeeland, Zuid-Holland, Noord-Holland,...)

Coastal municipalities (Den Helder, Scheveningen, Katwijk, IJmuiden, ...)

Harbors (Rotterdam, Amsterdam, Vlissingen,...)

Private sertor:

Dredging industrie (Boskalis, Van Oord)

Shipping companies (Maersk)
Oil and Gas industry (Shell, Statoil, ...)

Netherlands Fishiermans Org.

Federation of Fishery Organizations

EnergieNed: Energieproducers (Eneco, Eon, Essent/RWE,...)

Banks and Investors (ASN Bank, Rabobank,...)

TenneT (semi-private)

Wind power technology (Vestas, Siemens)

Ecofys, KEMA, Fugro (consultancy firms)

Construction companies (Ballast Nedam,...)

Netherlands Wind Energy Association (NWEA)

NGO's/Environment:

The Northsea Foundation

Nature & Environment Foundation

World nature Fund

Greenpeace

Research

TU Delft / DU WIND

Imares

ECN

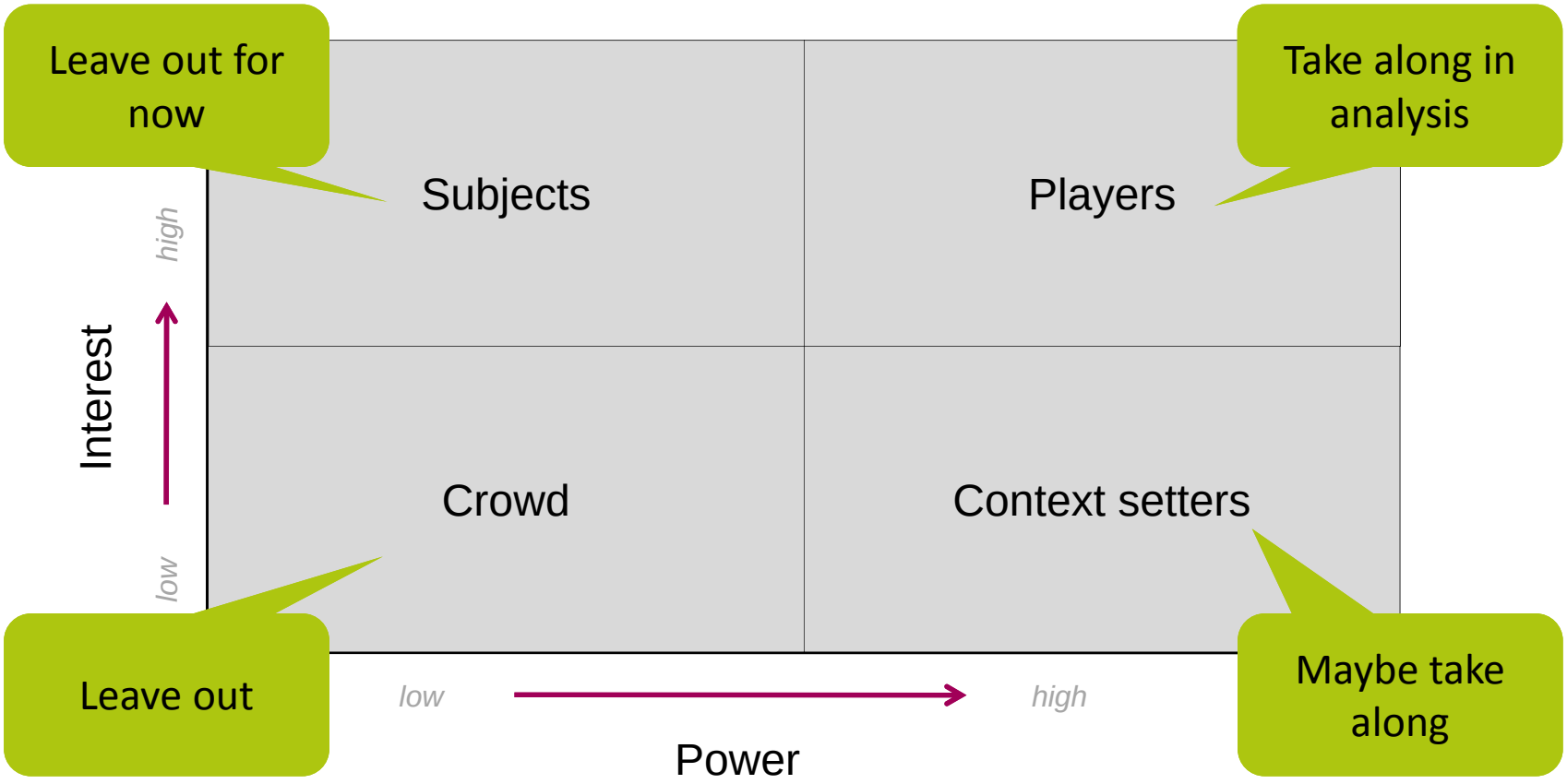
From identification to an inventory of actors

- Probleem owner is an actor
- Structure your list – categories?
- Whom do you take along, whom to leave out (for now)?

From identification to an inventory of actors

- Balance with level chosen in problem analysis/systems model
- Balance between different interests and positions
- Rule of thumb: 10-20
- Iterative: you can always add or remove form your list.

Power/interest grid



Inventory of the actors Characterising

	Values	Perceptions	Resources	Networks
Actor 1				
Actor 2				
Actor3				

Inventory of the actors Characterising Actors

Example Wind at Sea	Values	Perceptions	Resources	Networks
Actor 1 Min Infra	Safety at Northsea	Windparks OK but at safe locations only	Reservation and permits	Govnment Parliament authorities
Actor 2 Tennet network administrator	Reliability and continuity of electricity	Wind at Sea is a variable source: extra investment needed	Knowledge, asset management, investments	Electricity world
Actor…	…	…	…	…

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** agentschap met aansturing vanuit DB
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Dealing with composed actors

Select the highest possible organizational level, without losing relevant information (see above), or including irrelevant goals

Do not use categories like: “the government” or “the private sector”