ENTSO-E CBA methodology

Some thoughts on indicators S.1 and S.2

Network Development Stakeholder Group Meeting

Brussels, October 15, 2015

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Renewables Grid Initiative

The Renewables Grid Initiative – TSOs and NGOs team up to “build better lines for renewables”

Focus of electricity grid operators:

„We need to build power grids without delay“

Focus of NGOs:

„We need renewable energies – whithout negative impact on nature and people“

50hertz, swissgrid, elia, Terna, TenneT, Statnett, Red Eléctrica de España, Rte

Renewables Grid Initiative

LEGAMBIENTE, rspb giving nature a home, BirdLife International, GERMANWATCH, WWF, CAN Europe, NATUUR & MILIEU

“We want a grid built in time and in line with environmental objectives and with people’s concerns”

Renewables Grid Initiative

What are S.1 and S.2?

- Early indicators regarding potential impacts on nature and society
- Provide indicative maximum amount of km that go through nature sensitive areas/densely populated areas

S1 - protected areas	S2 - urban areas
15-50km	25-50km

TYNDP 2014, Project 113 Netherlands, Germany

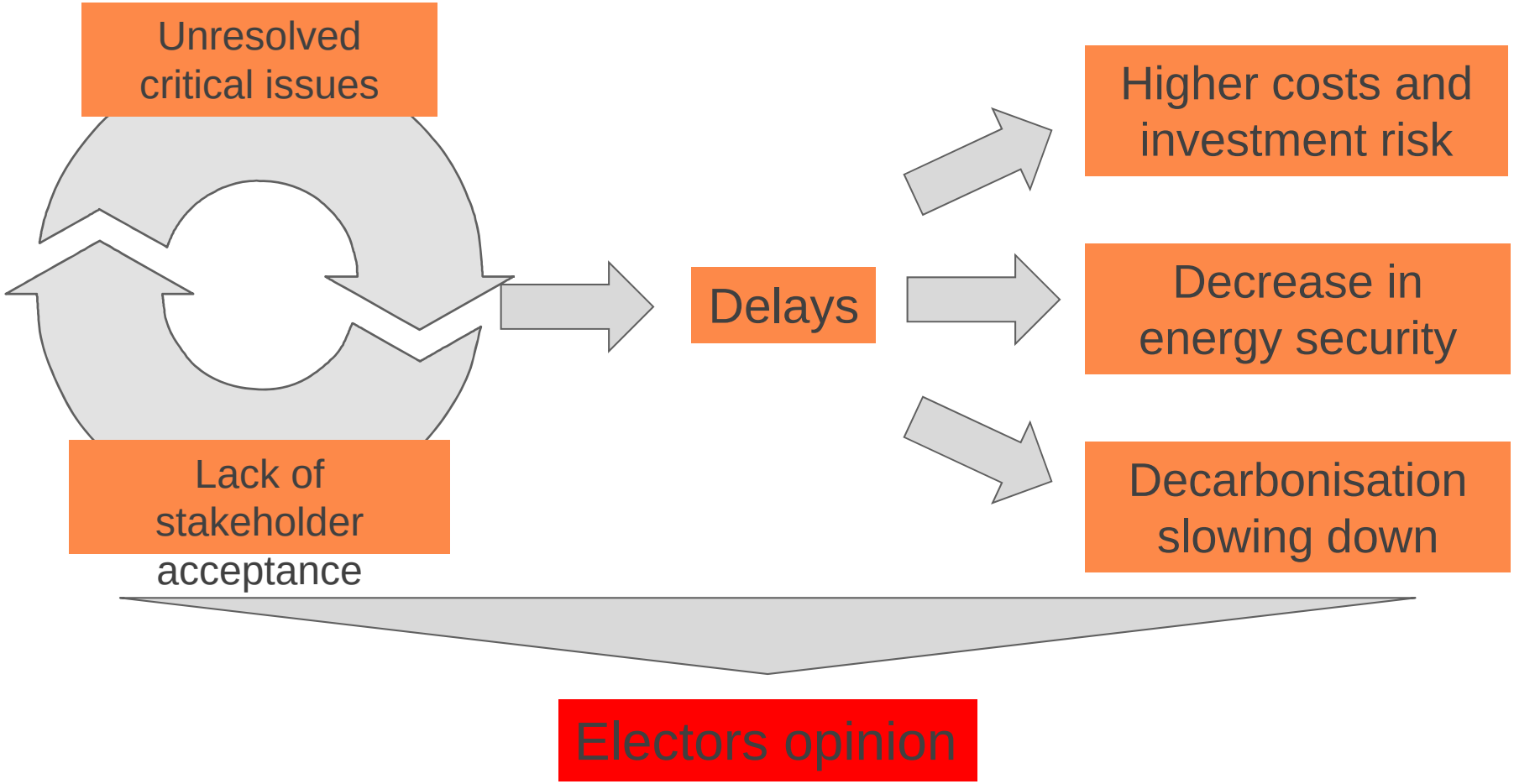
Why does RGI care?

- Impact of development should be as small as possible
- Indicators allow for early awaress of potential challenges
- Provides early opportunity to resolve them
- Design better projects avoiding long detours
- Avoid late escalation of conflict
- Don‘t make the wrong projects PCIs

In theory, all this should be taken care of at national level

In practice, this is often not the case and good quality information from ENTSO-E can help

Why should project promoters, policy makers and alike care?



1. Observations on Indicators from TYNDP 2014 – missing information on indicators

No data available for range of projects, several beyond "under consideration stage"

TYNDP 2014 project number	Project candidate name	Project promoter	Planning stage according to TYNDP 2014
64	NS Finland (P1) stage 1	FINGRID	Last phase design & permitting
46	Offshore Wind Baltic Sea	50HERTZ	Design & permitting
177	PST Hradec	CEPS	Design & permitting
197	NS Finland (P1) stage 2	FINGRID	Design & permitting
124	NordBalt phase 2	AST;LITGRID;SVK	Planning
…			

- Lack of information always needs explanation
- Avoid impression, there is something to hide

→ Explain, why data is not available yet
→ Announce, when it will be available

2. Observations on Indicators from TYNDP 2014 – information only on project clusters

Information on S1 and S2 only for the sum of all projects which are part of the corridor

Results in very high S.1/S.2 values for

- Dutch Ring (projects 103 and 168)
- North South Eastern German corridor (projects 130, 164, 204, 205, 206, 209)
- North South Western corridor (projects 132, 134, 135, 207, 208)

Joint indicator approach is also taken for the

- Czech North South Corridor (projects 35 and 200)
- Transbalkan corridor (projects 146, 227)

- Clustering projects appears intransparent
- Potentially makes them look worse than they are

→ Explain clustering approach
→ De-cluster/provide indicator for the individual projects

Beyond indicator, but to be aware of

List of projects which were part of TYNDP 2014, but don't seem part of TYNDP 2016

TYNDP 2014 project number	TYNDP 2014 project name	PCI number according to TYNDP 2014
5	Eastern interconnection ES-FR	2.6
58	GerPol Power Bridge	3.14
59	LitPol Link Stage 1	4.5.1
76	London Cluster	
90	Swiss roof	2.11.1
91	Swiss Elipse	
108	1000MW HPS Tarnita connection (Romania)	
148	CCS new (Italy Slovenia)	3.20
152	France Germany Interconnection	
...		

Needs explanation in TYNDP 2016

Some more points that would be appreciated

- Provide data in xls table
- Add links to more detailed national information
- Provide opportunity for layered maps
- Help explaining the EC that S.1/S.2 should not be ignored in PCI selection process