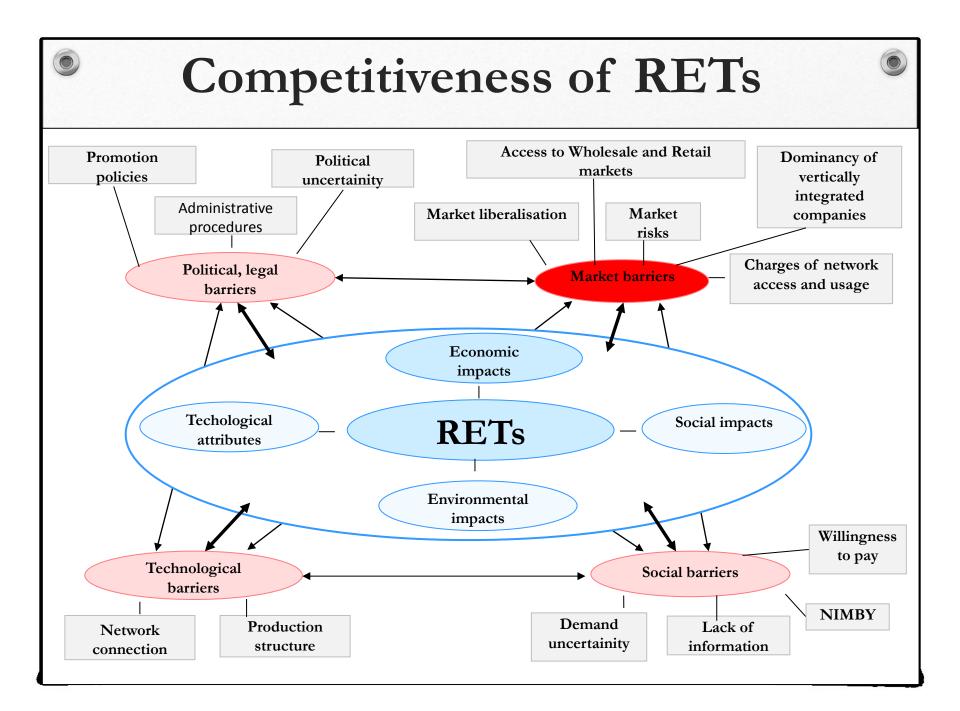
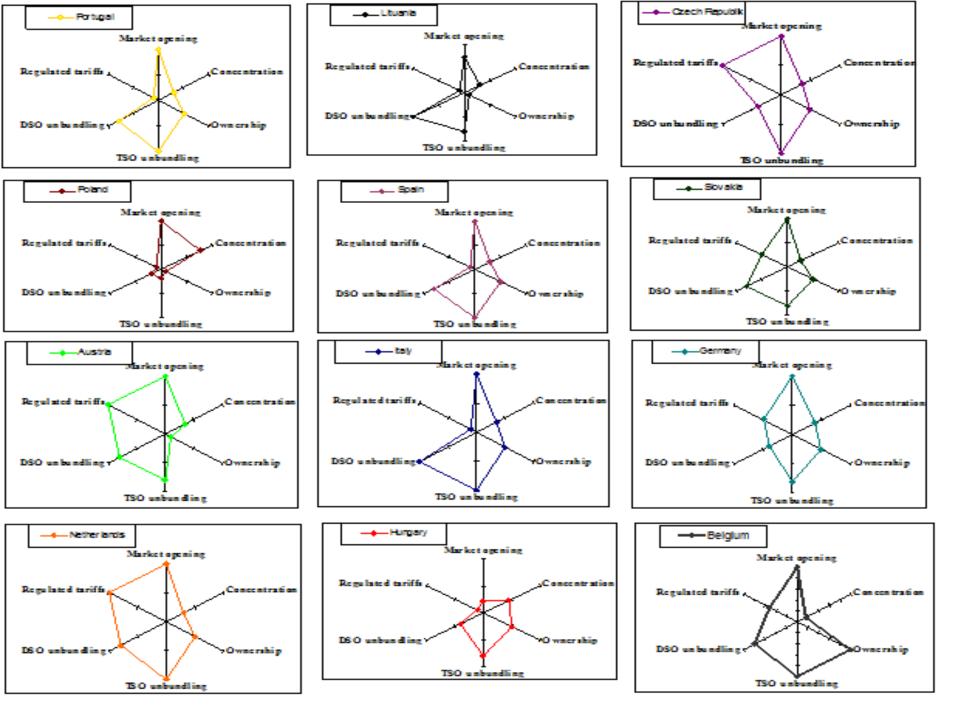


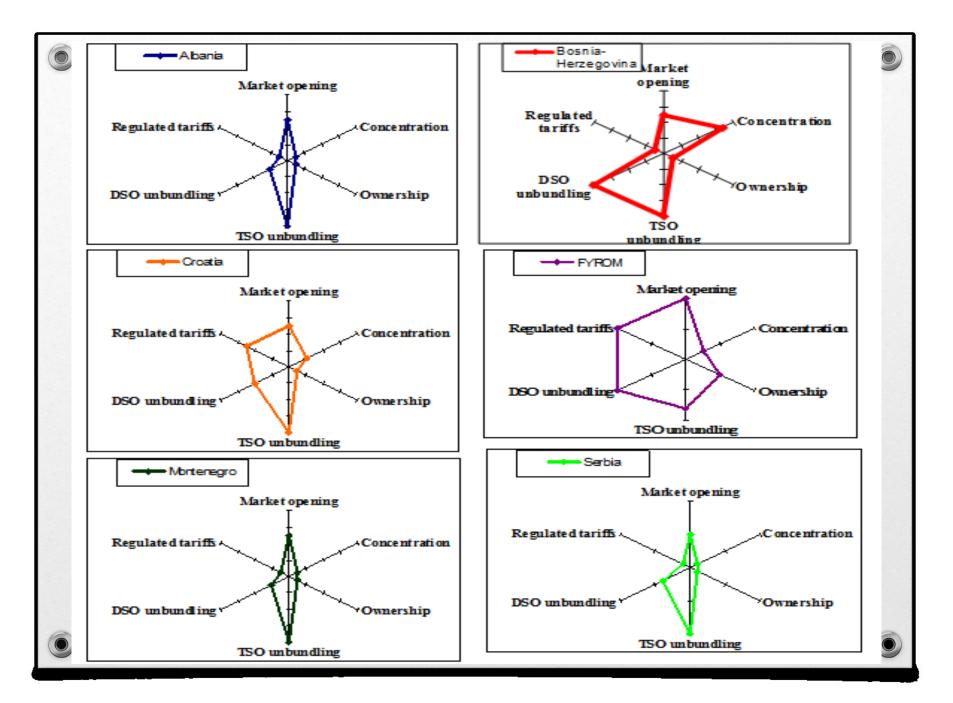




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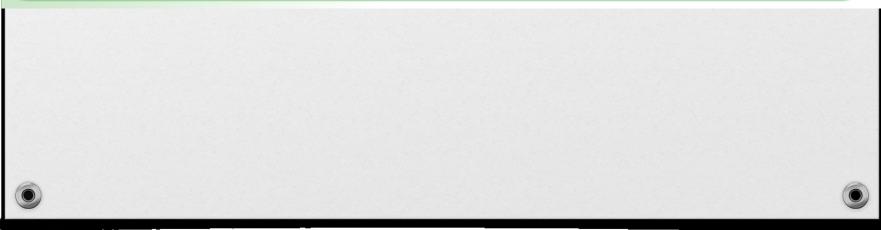




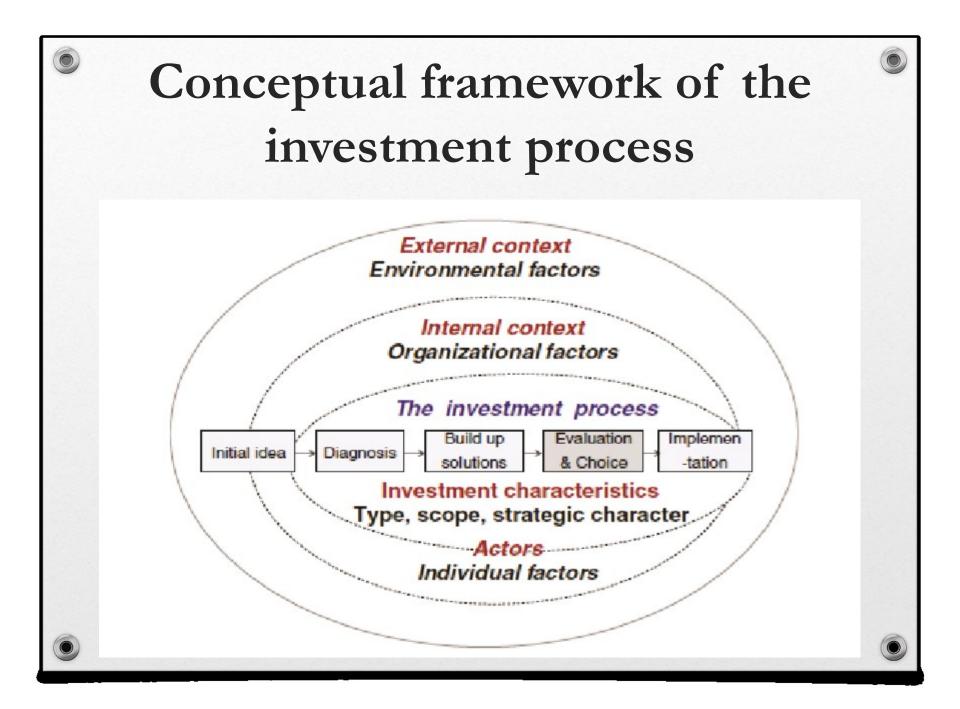


Country	plant operator	system operator	balance group operator	no schedule required	other
HU, SK, RS, BA,,	Ptt				
AT	É		æ		
BG	ŧ	曲		æ	
CZ	Pm	Path			
DE	ff	æ			
RO, SI			Pm		
ME	ff				æ
UA,HR, MD	É			æ	

	Overall lead time				
		below 9 months	9-24 months	above 24 months	
	0 - 5	DE, ME			
Authorities			AT, BG, CZ		
involved	5 - 15	SK, SI, MD	RO, UA, HR	RS	
	above 15			HU, BA	



Level of priority granted for RES-E			liscriminatory	other	
plants when <u>connecting</u> to the grid	BG, CZ, DE, SK, SI		O, RS, BA, 1D, UA, HR	HU	
	first come first competitive served bidding (tender)		other		
Allocation of scarce RES-E connection opportunities in case of scarce grid connection capacity	AT, BA, BG, CZ, DE, HR, MD, RO, RS, SK, SI, UA	HU		ME	
Cost sharing regime of sold	shallow		non-shallow		
ost sharing regime of grid onnection	BG, RS, MD, DE		AT, BA, CZ, H SK, SI, UA	R, HU, ME, RO,	
	no	yes			
Does the connection charges regime for RES-E plants differ	AT, BA, BG, CZ, DE, HR, MD, ME RO, RS, SI, UA	HU, SK			



Product market risk •customor loss •product obsolesence •compitition increases •prpduct demand decreases

Financial risk

•capital costs increase
 •exchange rates change
 •inflation
 •covenant violation
 •default debt

Legal risk •product liability •restraints of trade changes

Operational risk

installation breaks down
 product defects increase

weather affects operation

grid imbalance increases

ota

company

risk

shareholder law suits

Input risk

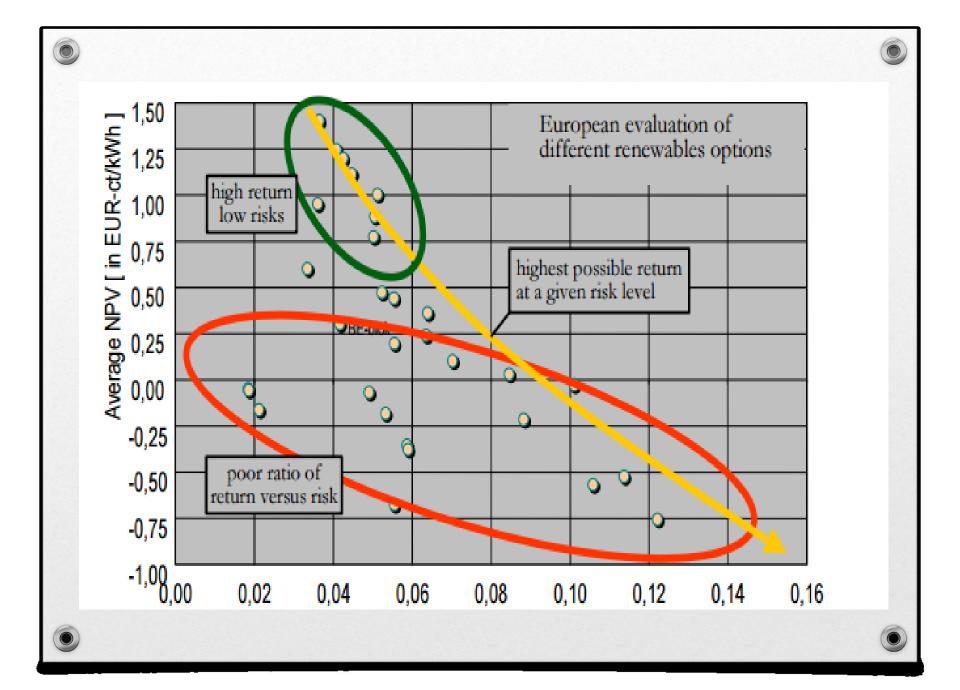
input prices rise
labour strikes
key employees leave
supplier fails

Tax risk •income tax rises •revenue bonds end •sale tax rises

Regulatory risk

environmental laws change
price support ends
import protection ceases
stricter anti trust enforcement

	producer of green energy	buyer of green energy (in case of a certificate system)	
operational risk	prediction capability of load and grid imbalance is crucial	depends on banking strategy of certificates, otherwise possibly relatively low risk	
	for less mature technology performance is a risk factor		
product market risk	demand expected to rise (favourable), but at same time competition may increase strongly as well	demand expected to rise (favourable), but at same time competition may increase strongly as well	
input risk	bio-energy options: fuel costs important wind and hydro: varies with climate	large profits at risk when long- term contracts are closed and prices change	
regulatory risk	very important: profit strongly depends on price support import protection	very important: profit & sales strongly depends on price support / tax breaks	
financial risk	in particular relevant without long-term contracts and for sources where capital costs dominate (wind, hydro)	depends on inventory size (banking) and portfolio of contracts	



Special attention to Promotion policies for RETs in the Danube Region



Most common policies

Regulatory policies

- renewable energy targets
- feed-in tariff/premium payment
- electric utility quota obligation
- renewable portfolio standard (RPS)
- net metering
- biofuels obligation/mandate heat obligation/mandate
- tradable renewable energy credit (REC).

• Fiscal incentives

- capital subsidy, grant and rebate
- investment and production tax credits
- reductions in sales taxes, energy taxes, CO2 taxes, VAT and other taxes
- energy production payment

• Public financing

- public investment, loans and grants
- public competitive bidding/ tendering

COUNTRY	QUOT A	FEED-IN TARIFF	PREMIUMS	SUBSIDIES, LOANS,TAXES	ACCESS TO GRID
AUSTRIA		Х		PV, Hydro	Granted
BOSNIA- HERZEGOVINA		Х	N.A.	NA	N.A.
BULGARIA		Х			No priority
CROATIA		Х	Special provision Wind	Loans	
CZECH REP.		X (Granted)	Green bonus on market price	Hydro	Priority
GERMANY		Х	Market and Flexibility	Low interest loans	
HUNGARY		Х		Households: net metering	Priority
MOLDOVA		Х	N.A.	N.A.	N.A.
MONTENEGRO		Х			Priority
ROMANIA	Х			Subsidies, loans	Priority
SLOVAKIA		Х			Priority
SLOVENIA		Х		Subsidies, loan	Priority
SERBIA		Х			Priority
UKRAINE		Х	N.A.	N.A.	No priority

COUNTRY	HEATING	Heat-Tech.	TRANSPORT (biofuels only)
AUSTRIA	Subsidies	Solar thermal, Heat pumps, Biomass, Geothermics	Quota, tax regulation
BOSNIA- HERZEGOVINA	N.A.	N.A.	N.A.
BULGARIA	Loans, tax regulation	All	Quota, tax regulation
CROATIA	NOT PROMOTED BY THE STA	Quota, tax regulation, subsidies	
CZECH REP.	Quota and tax regulation	All	Quota and tax regulation
GERMANY	Subsidies, loan	Biogas, biomass, geothermal energy, solar thermal	Quota and tax regulation
HUNGARY	Subsidies	All	Quota
MOLDOVA	N.A.	N.A.	N.A.
MONTENEGRO	N.A.	N.A.	N.A.
SLOVAKIA	Finantial support	All	Quota and tax regulation
SLOVENIA	Soft loan	All (Solar, Heat pumps, biomass)	Quota and tax regulation
SERBIA	n.a.	n.a.	n.a.
ROMANIA	Subsidies	All	Quota
UKRAINE	N.A.	N.A.	N.A.