Energy Charter process on "a long and winding road" - from "Trans-Atlantic Europe" to "Broader Energy Europe" towards Eurasia and beyond it, though now without some key historical ECT actors

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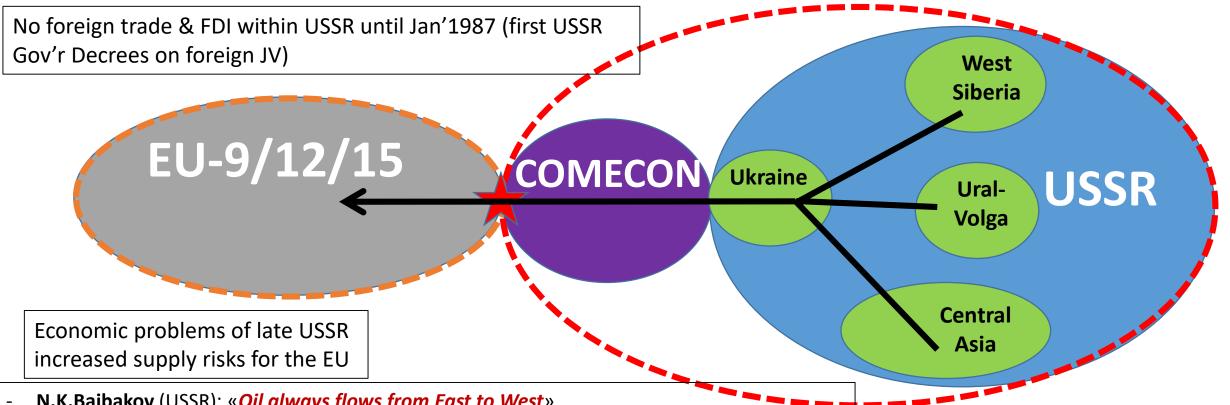
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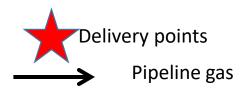
<u>Disclaimer:</u> Views expressed in this presentation are within full personal responsibility of the author of this presentation.

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The beginning: USSR/COMECON (1967) - USSR/EU (1968) = transportation pipeline corridors (linear structure of supplies), on-border sales COMECON-EU; EU - center of export attraction & key export market for USSR

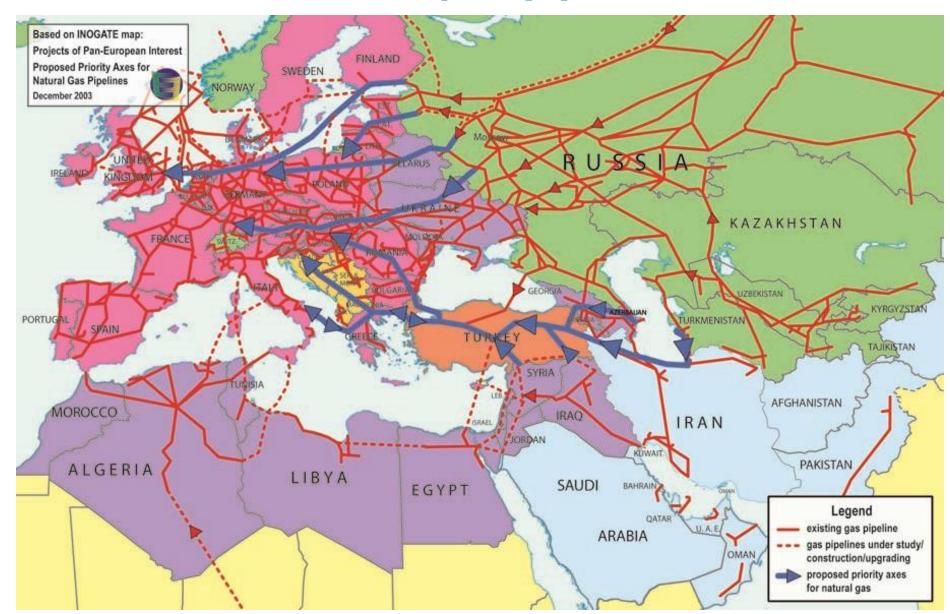


- N.K.Baibakov (USSR): «Oil always flows from East to West»
- **USSR**: economic development logic in energy from East (Ural-Volga, West Siberia more & more to the East) to West (European part USSR, then COMECON, then West Europe – more & more to the West)
- In XXth century the time for Asia has not come yet (no adequate demand in Asia to support "economy of scale") => development of new resource bases in the East of USSR/Russia was aimed at demand increase (in Europe and USSR/Russia) & on compensation of production decline at existing fields in USSR/Russia



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Common rules of the game in Eurasian energy & export of EU's acquis (*)

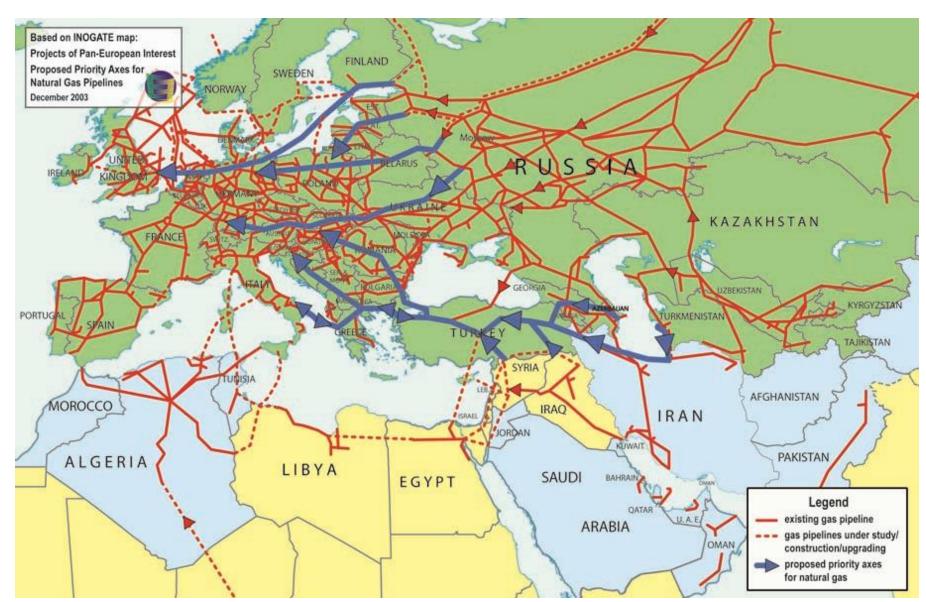


(*) illustrative example as of 2009

Common rules of the game in Eurasian energy & export of EU's acquis ? (legend)

Zone	States within the zone	Description
	EU Members: 27 EU countries	EU legislation, including the energy legislation, is fully applicable
	Energy Community EU-SEE Countries: Croatia, Serbia, Montenegro, Croatia, Bosnia, FYROM (Macedonia), Albania, UNMIK (Kosova); other Energy Community members are already EU members	Only EU legislation on internal electricity and gas markets is applicable
	EU Candidate Countries: Turkey (Croatia is already an Energy Community member so applying the EU energy market acquis)	Still in the process of alignment to the EU legislation but full compliance not likely before membership
	EU Neigbourhood Policy Countires: CIS (Armenia, Azerbaijan, Belarus, Georgia, Moldova, Ukraine = EU Eastern Partnership) and Northern Africa (Algeria, Egypt, Israel, Jordan, Lebanon, Libya, Morocco, the Palestinian Authority, Syria, Tunisia)	Enhanced energy cooperation based on National Action Plans with Ukraine and Moldova (as well as with Israel, Jordan, Morocco, the Palestinian Authority and Tunisia); partial application of EU energy policies and legislation may be possible in the future
	EU-Russia Strategic Partnership: EU & Russia	Based on shared principles and objectives; applicability of the EU legislation in Russia is out of question
	ECT member-states: 51 states of Europe & Asia	ECT is fully applicable within the EU as minimum standard; EU went further in liberalizing its internal energy market, BUT whether EU can demand that other ECT member-states follow same model and speed of developing their domestic markets?
	ECT observers: 23 states of Europe, Asia (e.g. Middle East, South-, SE- & NE-Asia), Africa, North & Latin America + 10 international organisations	Shared ECT aims & principles; did not take ECT legally binding rules; not ready to take more liberal rules of EU Acquis A.Конопляник, НИУ ВШЭ, 21.02

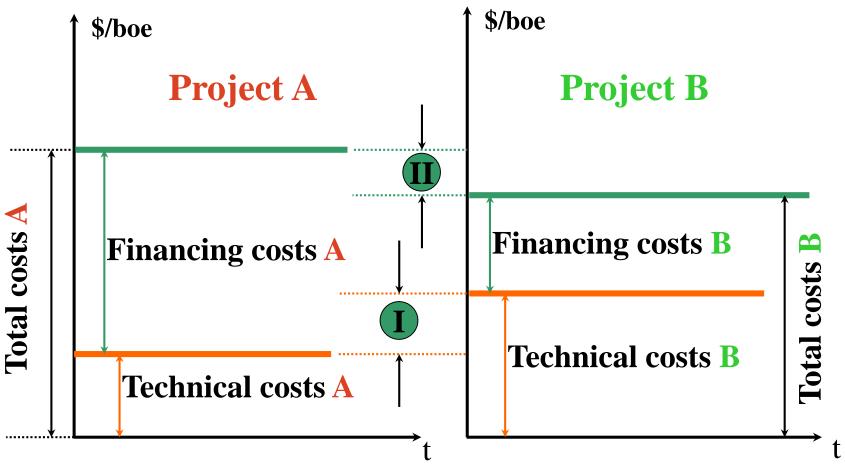
Common rules of the game in Eurasian energy & expansion of ECT (*)



(*) illustrative example as of 2009

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"NATURAL" VS. "FINAL" COMPETITIVE ADVANTAGES OF ENERGY PROJECTS



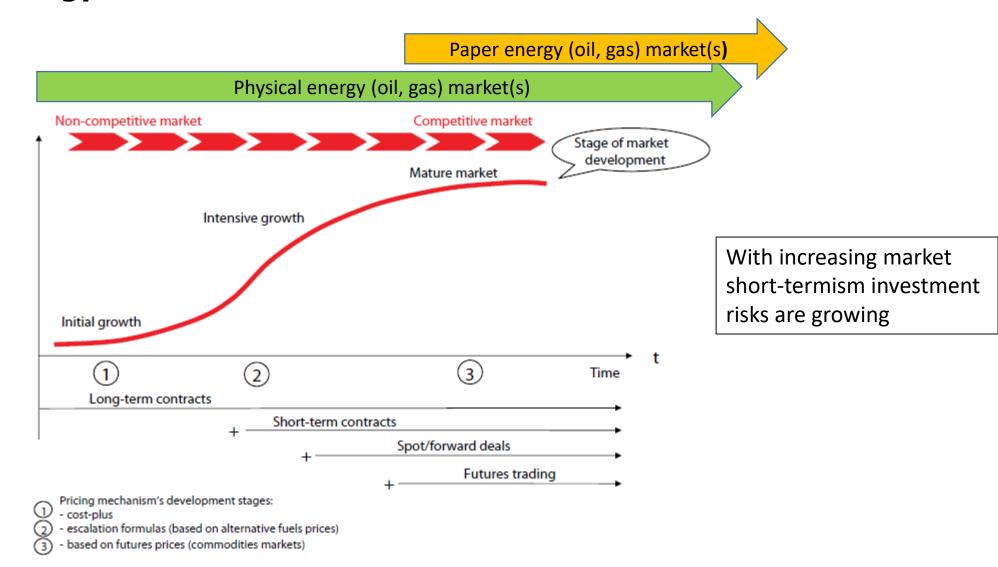
- "Natural advantage" of project A over project B (A < B)</p>
- Final competitive disadvantage of project A over project B (A > B)

ENERGY ECONOMY: HIGHEST DEMAND FOR QUALITY OF REGULATORY FRAMEWORK

Energy/hydrocarbon projects (compared to other industries):

- Highest capital intensity (absolute & unit CAPEX per project),
- Longest project life-cycles & pay-back periods (for most effective & full reserves extraction),
- Geology risks + immobile infrastructure,
- Cross-border flows + immobile infrastructure,
- Worsening natural conditions of resources to be developed + imputed costs of initial macroeconomic infrastructure in new areas,
- Highest demand for stability & predictability of legal & tax environment,
- Role of risk management,
- State sovereignty on energy resources => Maximum extraction of resource rent (Ricardian + Hotelling rent) by state-resource owner => need for balance of interests state vs. investor
- Economics & politics in energy come together: long-term investment upstream projects life-cycle (40-50+ years) vs. short-term political/electoral cycle (4-8 years)
- => Higher/highest demand for "quality" of legal and regulatory framework compared to other industries => to diminish energy projects risks & to maximize their macroeconomic effects for the host state

Evolution of energy markets and their institutional and contractual structure



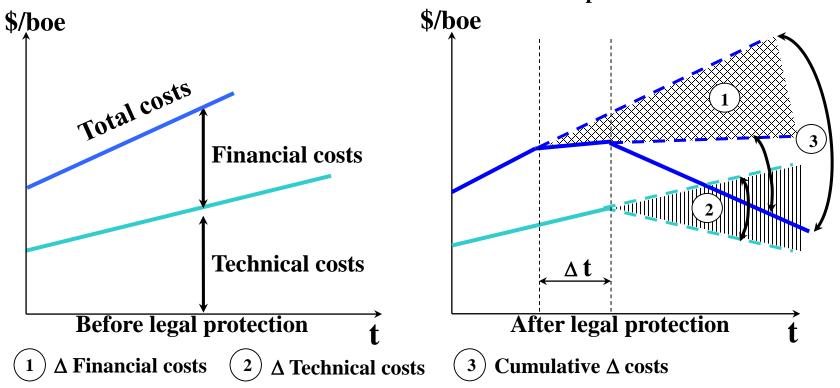
Source: based on Andrei Konoplyanik

Based on: *Putting a Price on ENERGY: International Pricing Mechanisms for Oil and Gas.* – Energy Charter Secretariat, Brussels, 2007, p. 60

ROLE OF LEGAL PROTECTION INSTRUMENTS FOR PROJECT FINANCING

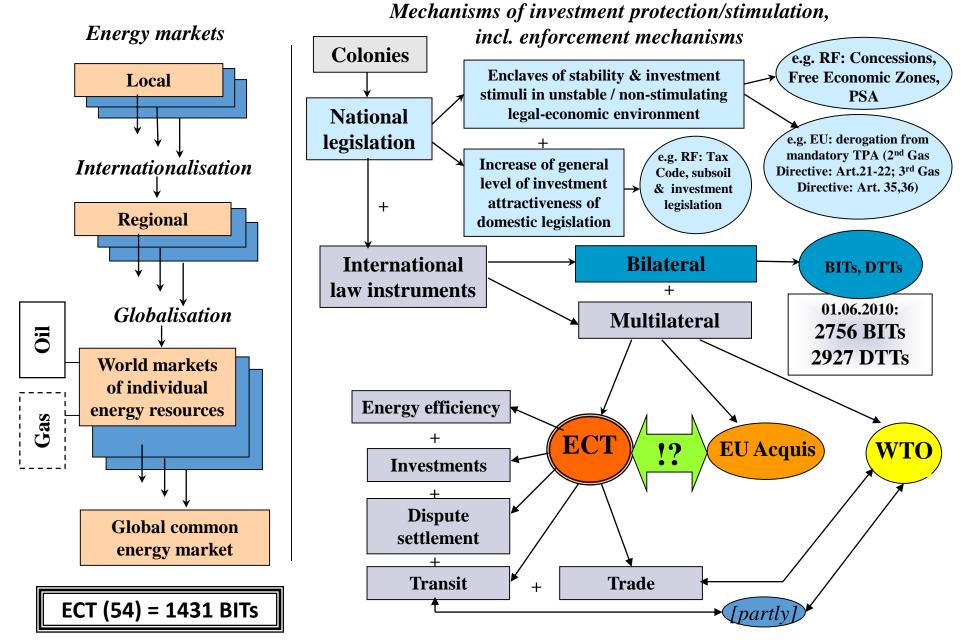
Legislation $\rightarrow \downarrow$ risks $\rightarrow \downarrow$ financial costs (cost of capital) = 1 \rightarrow \uparrow inflow of investments (i.e. \uparrow FDI, \downarrow capital flight) $\rightarrow \uparrow$ CAPEX $\rightarrow \downarrow$ technical costs = 2 \rightarrow 1 + 2 = 3 $\rightarrow \uparrow$ pre-tax profit $\rightarrow \uparrow$ IRR (if adequate tax system) $\rightarrow \uparrow$ competitiveness $\rightarrow \uparrow$ market share $\rightarrow \uparrow$ sales volumes $\rightarrow \uparrow$ revenue volumes

Legal instruments provides multiplier legal effect in diminishing risks with consequential economic results in cost reduction and increase of revenues and profits



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Development of international energy markets and of mechanisms of investment and trade protection and stimulation



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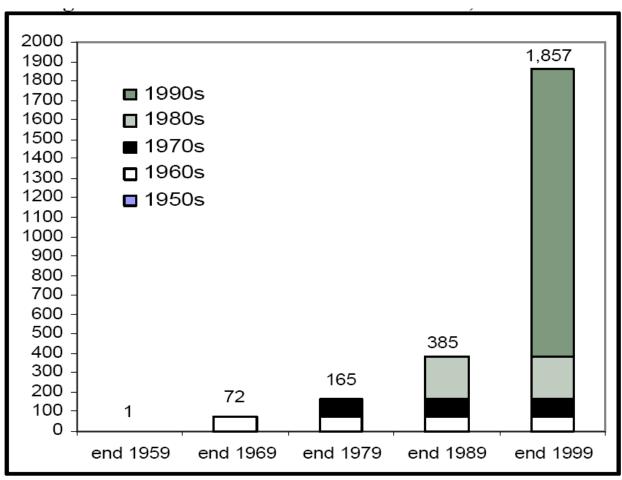
Comparative data on implementation of different types of petroleum arrangements worldwide, 2003 & 2009, according to G.Barrows

-	20	03	20	09
Number of states in analysis, incl.:	180		177	
Oil producing states, using:		91		104
- Tax + Royalty (T+R)(*)	113	45	111	55
- PSA	54	34	55	38
- Both T+R & PSA	13	12	11	11

^(*) concessions and/or licensing regime

Source: А.Конопляник. Средство от «правового вакуума». Уровень экономического и правового развития государства определяет выбор инвестиционных режимов в недропользовании. — *«Нефть России»*, 2012, № 8, с. 20-24; № 9, с. 26-29; № 10, с. 16-23. Based on data, kindly provided to the author personally by Gordon Barrows (Barrows Company / AIPN)

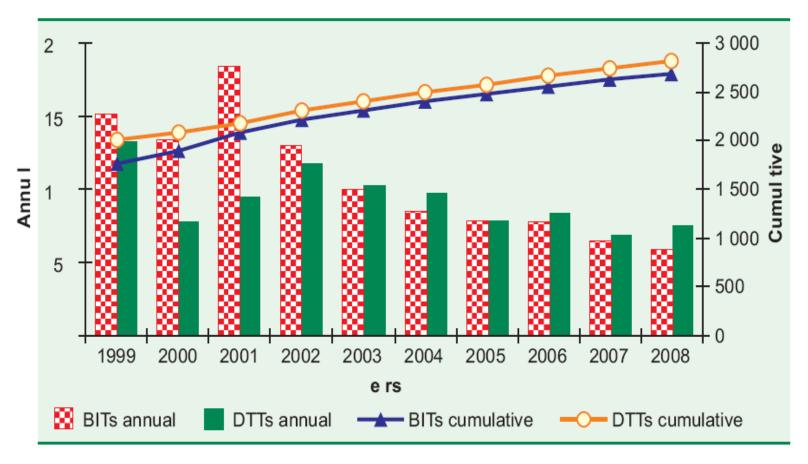
Growth of number of BITs, 1959-1999



Source: UNCTAD database on BITs.

Source: Bilateral Investment Treaties, 1959-1999. UNCTAD/ITE/IIA/2, 2000, p.1

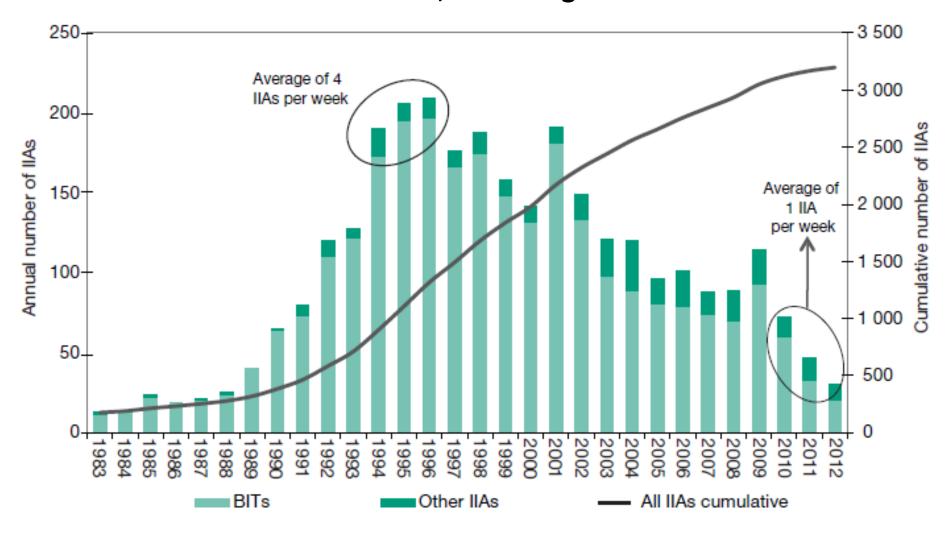
Number of BITs & DTTs concluded, annual & cumulative, 1999-2008



Source: UNCTAD (www.unctad.org/iia).

Source: World Investment Report 2009. UNCTAD, 2009, p.33

Trends in IIAs: 1983 – 2012, according to UNCTAD WIR 2013



Source: UNCTAD World Investment Report 2013. UNCTAD, NY and Geneva, 2013, p. xx.

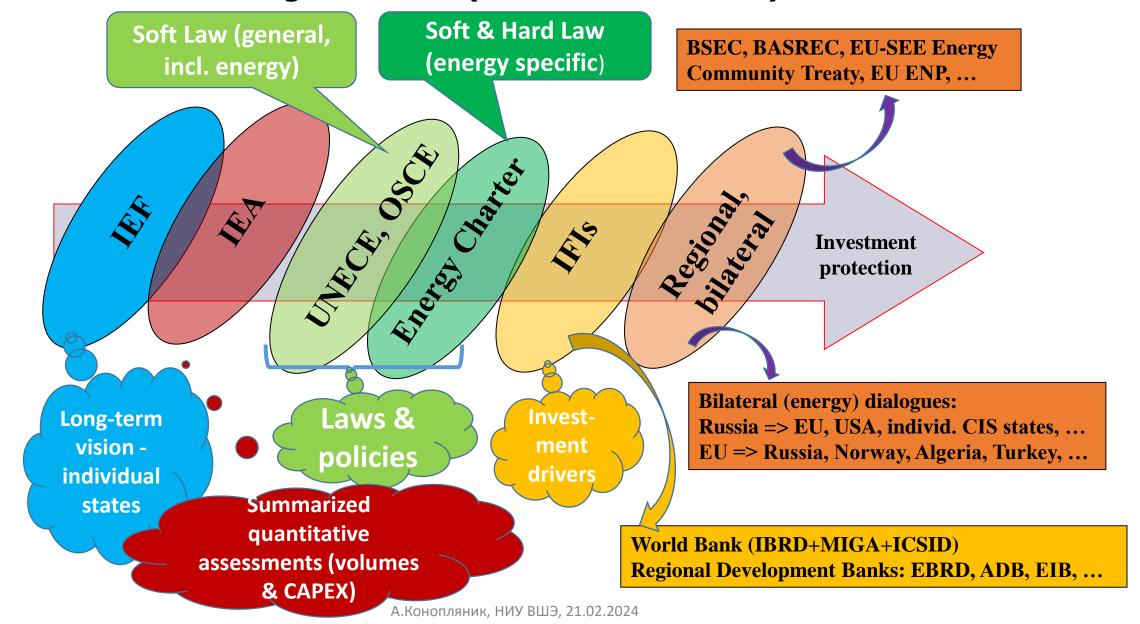
Selected international investment-related agreements (*)

Organisation (member-states/CPs)	Legal Status	Scope	Investment	Trade	Transit	Energy Efficiency	Dispute Settlement
ECT (51/52)	LB	Energy	Yes	Yes	Yes	Yes	Yes
WTO (149)	LB	General	(Yes?) (Services)	Yes	Yes/No (***)	No	Yes
NAFTA (3)	LB	General	Yes	Yes	No	No	Yes
MERCOSUR (4)	LB	General	Yes	Yes	No	No	Yes
OECD (30)	LB	General	Yes	No	No	No	No
APEC (21)	Non-LB	General	Yes	Yes	No	No	No

^(*) Other multilateral energy-specific (OPEC, IEA, IEF, IAEA, ...) and/or energy-inclusive (UN ECE, ...) and/or "sub-regional" (BSEC, BASREC, ...) organisations can be mentioned; though most of them are non-LB and/or do not address investment-protection issue; (**) LB = legally-binding;

^(***) application of GATT Art.V to grid-bound transportation systems is under debate Compiled by Dr. Joachim Karl, former Senior Expert of the Energy Charter Secretariat, Brussels, and currently Legal Affairs Officer, UNCTAD, Geneva, and has been presented with his kind permission since then by the author

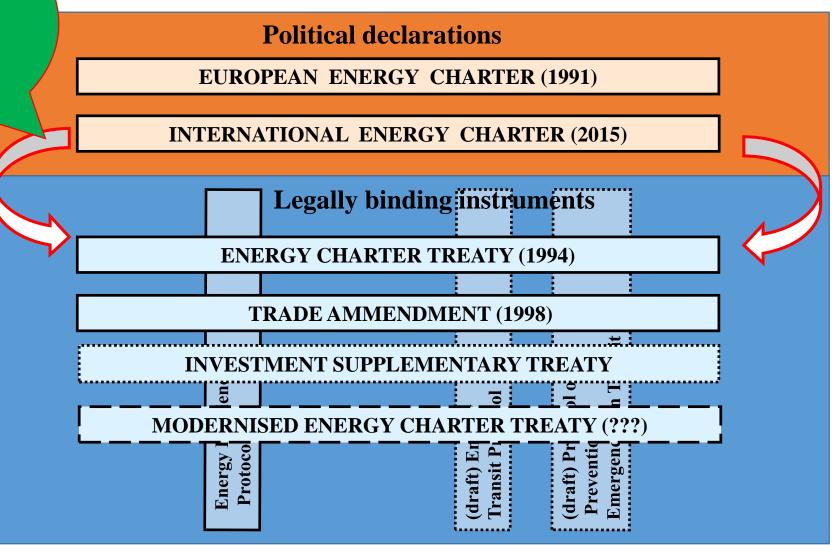
Energy investment protection: complementarity of energy-related international organizations (this author's vision)



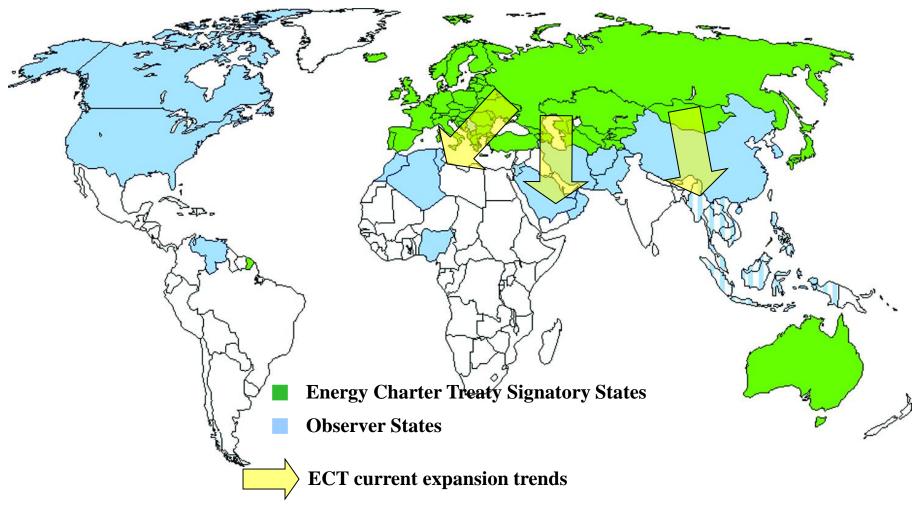
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Energy Charter
political principles
incorporated into
legally binding
provisions of the
Treaty(ies) &
Protocols

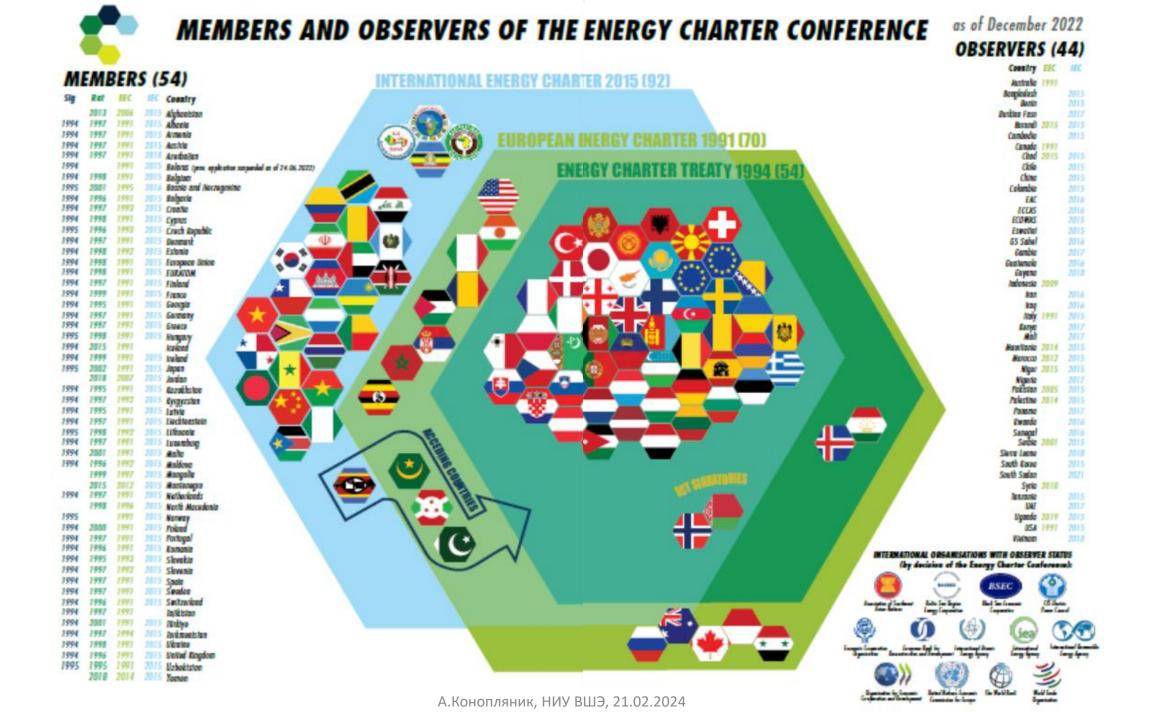
ENERGY CHARTER AND RELATED DOCUMENTS



ENERGY CHARTER PROCESS: GEOGRAPHICAL DEVELOPMENT (*)



- 1. From trans-Atlantic political declaration to broader Eurasian single energy market
- 2. ECT expansion objective and logical process based on clear economic and financial reasoning(*) as of 2009



ENERGY CHARTER SPECIFIC ROLE

• Energy Charter *Treaty*:

- Unique coverage of different areas for *energy* cooperation:
 - investment, trade, transit, energy efficiency, dispute settlement,
 - energy materials & products + energy-related equipment,
 - 51 member-states (52 CPs) + 20 observer-states + 10 observer international organisations
- First and only one multilateral investment agreement with high standard of investment protection, incl. dispute settlement

Energy Charter <u>process</u>:

- *Implementation* of ECT,
- Specialized forum for "advanced" discussion of the issues of energy markets evolution that might create new risks for development of energy projects in ECT member-states,
- Platform for *preparation of new legally binding instruments* to diminish such risks within ECT member-states (e.g. broadening & deepening of ECT & upgrading its "minimum standard" of protection)

ECT = THE FIRST MULTILATERAL INVESTMENT AGREEMENT (1)

Based on:

- well-established practice of BITs (about 400 BITs at the beginning of the 1990's - around 2600 BITs as of today)
- o investment chapter XI of NAFTA (US, Canada, Mexico)
- o some interaction with then OECD proposed "Multilateral Agreement for Investment" (MAI aborted in 1998)
- Within 51 member-states ECT is equal to 1275 BITs (within 52 = 1431)
- MFN and National Treatment for investors:
 - o *hard-law* obligations (binding guarantee) of non-discriminatory treatment for *post-establishment* phase,
 - o **soft-law** obligations for **pre-establishment** phase (stage of making investment)

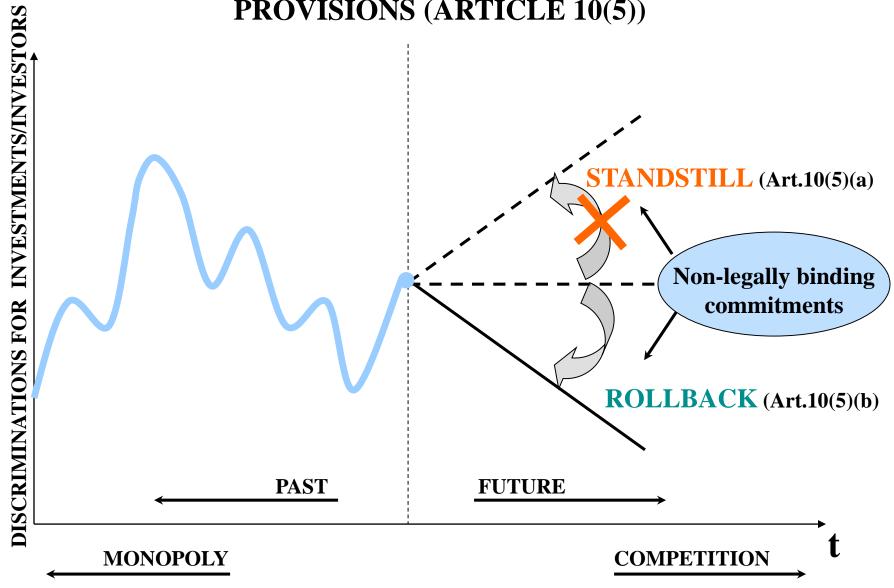
ECT = THE FIRST MULTILATERAL INVESTMENT AGREEMENT (2)

- Protection against key political/regulatory risk:
 - o expropriation and nationalisation,
 - o breach of individual investment contracts,
 - o unjustified restrictions on transfer of funds
- Reinforced by access to binding international arbitration in case of dispute:
 - o State-to-state, and (NOVELTY!) investor-to-state => direct dispute settlement at investor's choice at ICSID, UNCITRAL or ICC Stockholm (competence: appr.50% of new ICSID submissions & appr.20% of ICC cases relates to energy),

o Awards:

- ✓ final and enforceable under New York convention,
- ✓ usually as entitlement to payment (no risk of vicious circle for retaliating measures),
- ✓ retroactive to start of dispute, may include interest (no incentive to delay process)

ECT INVESTMENT REGIME: STANDSTILL & ROLLBACK PROVISIONS (ARTICLE 10(5))



List of topics for modernization of the Energy Charter Treaty approved by the Energy Charter Conference

N	Item	N	Item
1	Pre-investment	14	Transfers related to investments
2	Definition of 'charter'	15	Frivolous claims
3	Definition of 'economic activity in the energy sector'	16	Transparency
4	Definition of investment	17	Security for costs
5	Definition of investor	18	Valuation of damages
6	Right to regulate	19	Third party funding
7	Definition of Fair and Equitable Treatment (FET)	20	Sustainable development and corporate social responsibility
8	MFN Clause	21	Definition of 'transit'
9	Clarification of 'most constant protection and security'	22	Access to infrastructure (including denial of access and available capacities)
10	Definition of indirect expropriation	23	Definition and principles of tariff setting
11	Compensation for losses	24	REIO
12	Umbrella clause	25	Obsolete provisions
13	Denial of benefits		

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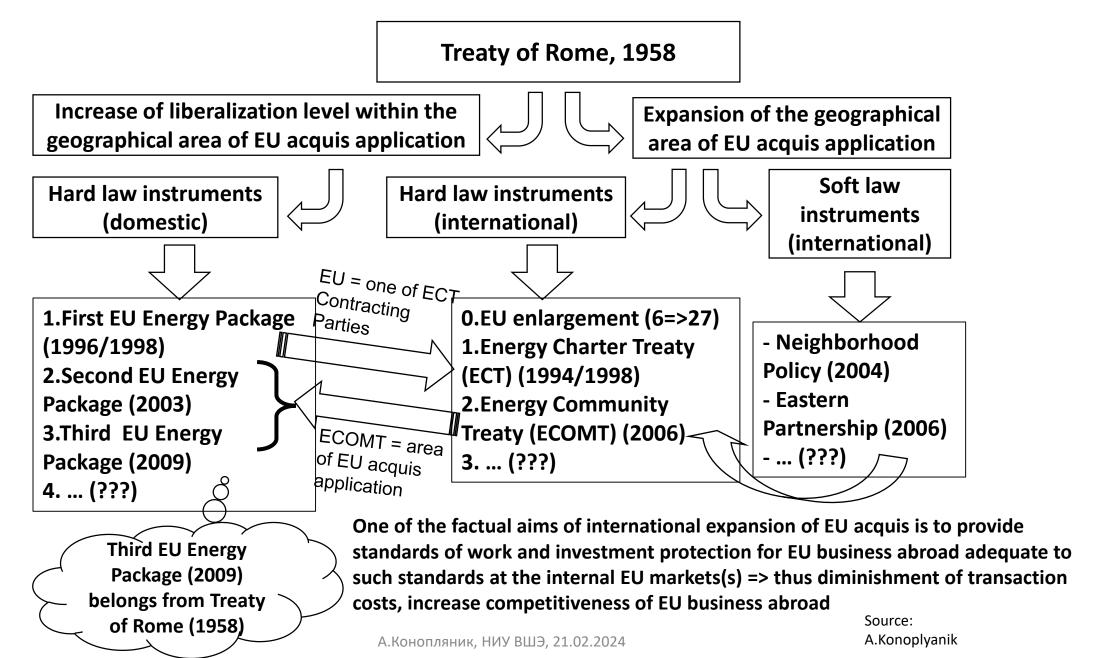
ECT & EU acquis: "minimum standard" within evolving Eurasian common energy space vs. more liberal "general standard" within evolving common European energy space

ECT observer-states (23+)

Legal norms (key examples)	ECT E	EU Acquis (1-st Gas Directives)	EU Acquis (2-nd & 3-rd Gas Directives)	
Mandatory TPA	No	No	Yes	5
Unbundling	No	No	Yes	of level
ECT = integral part of EU acquis communautaire (ECT = Level of "liberalization" stand-still & roll-back mechanisms) ECT	1		Level of "liberalizati) er
1-st EU Gas Directive (1998) 2-nd EU Gas Directive (2003) 3-rd EU Gas Directive (2009) Level of "liberalization" - general tendency EU enlargement	member-s	legislation of ECT states prior to their cipation in ECT	EU enlargement	
Growing gap between EU acquis & ECT	Rest of EC	T = Russia/CIS/Asia/	EU-15 (prior to 01.05.2004)	

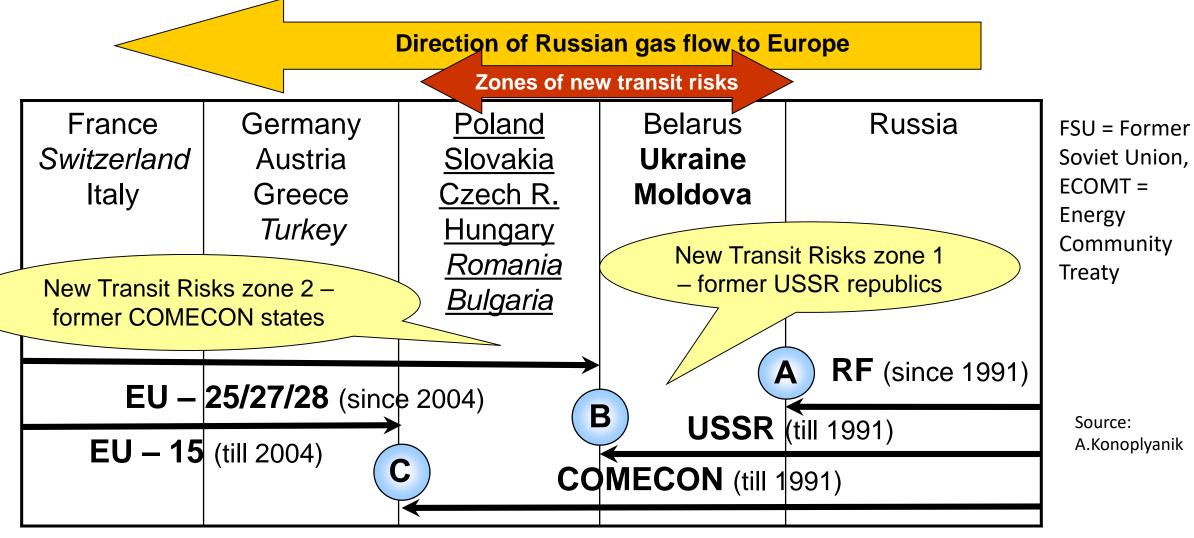
ECT member-states (51+2 REIO)

EU acquis' international expansion instruments (energy industry)



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Russian Gas Supplies to Europe: Zones of New Risks for Existing Supplies Within Russia's Area of Responsibility Under Its LTGEC



Italic – non-EU countries; New EU accession states: <u>underlined</u> – since 01.05.2004, <u>underlined + italic</u> – since 1.01.2007; **Bold** – FSU states members of ECOMT; A, B, C – points of change of ownership for Russian gas (commodity) and/or pipeline (capacity) on its way to Europe; C – historical delivery points of Soviet (now Russian) gas to the EU

This author's vision of the nature and three major components of transit risk in the cross-border gas value chain through immobile infrastructure (Konoplyanik's "gas transit risks pyramid")

Direction of logical chain in development of transit risks - bottom-up approach: the name of the transit country is the element of last importance in this logical chain

Change in **political**

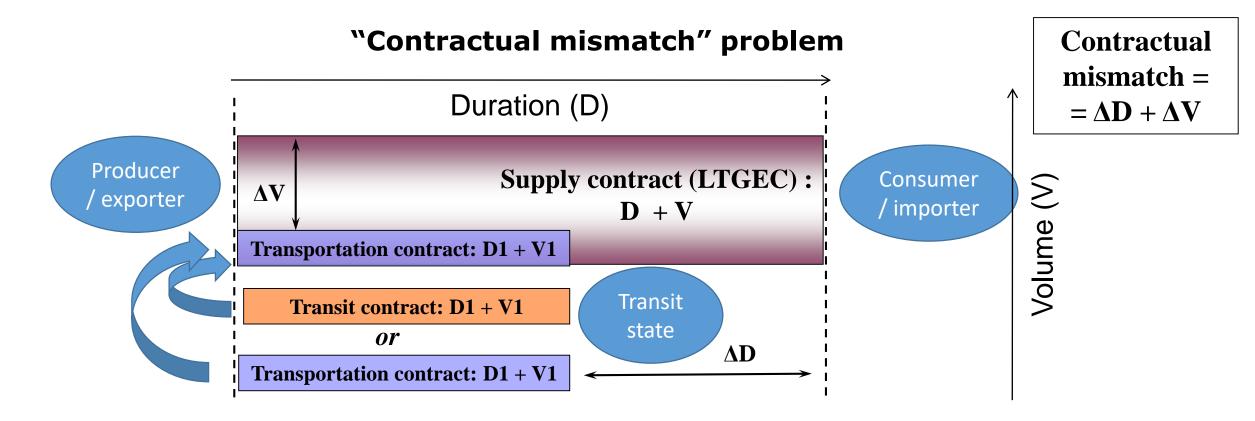
relations between
transit states and its
upstream and downstream
neighbors that can create
interruptions of supplies through
transit state by its political motivation

Mitigation of all three groups of transit risks stimulates the supplier to chose least risky transit route to the customer in order to diminish risk of non-delivery (non-timely delivery) thus improving security of supplies for the customer

Technical component (adequate maintenance of transit system to provide technical stability and reliability of transit)

Source: A.Konoplyanik

Legal (third country sovereign law) and regulatory component (adequacy of legal transit regime to fulfillment of supply obligations between parties to LTGEC from third countries) to exclude appearance of "contractual mismatch" problem

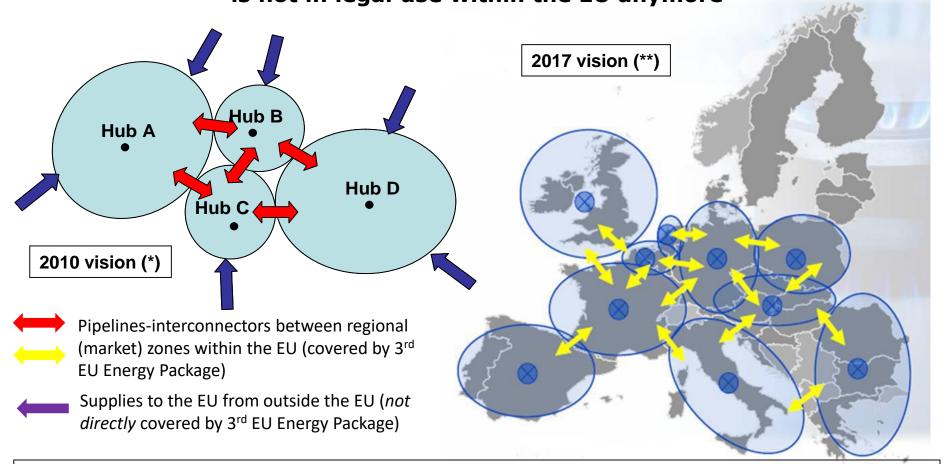


Contractual mismatch: between duration/ volumes (D/V) of (i) long term supply (delivery) contract (LTGEC) and (ii) transit/transportation contract as its integral part to fulfill the delivery contract => risk of non-renewal of transit / transportation contract => risk on non-delivery (non-timely delivery) for supply contract.

Core issue: how to guarantee access to (creation of) transportation capacity(ies) adequate to volume and duration of long term supply (delivery) contract(s) (LTGEC).

Source: A.Konoplyanik

Organization of internal domestic EU gas market according to Third EU Energy Package: cross-border gas flows within the EU between Member-States (market zones) still exist though the term "transit" is not in legal use within the EU anymore



- No single internal EU gas market as homogenous economic model, but a combination of market areas
- All market areas organized as entry—exit zones with virtual (aimed to be) liquid hubs, uniform capacity allocation (bundled products) & gas pricing (spot- & exchange-based pricing) mechanisms

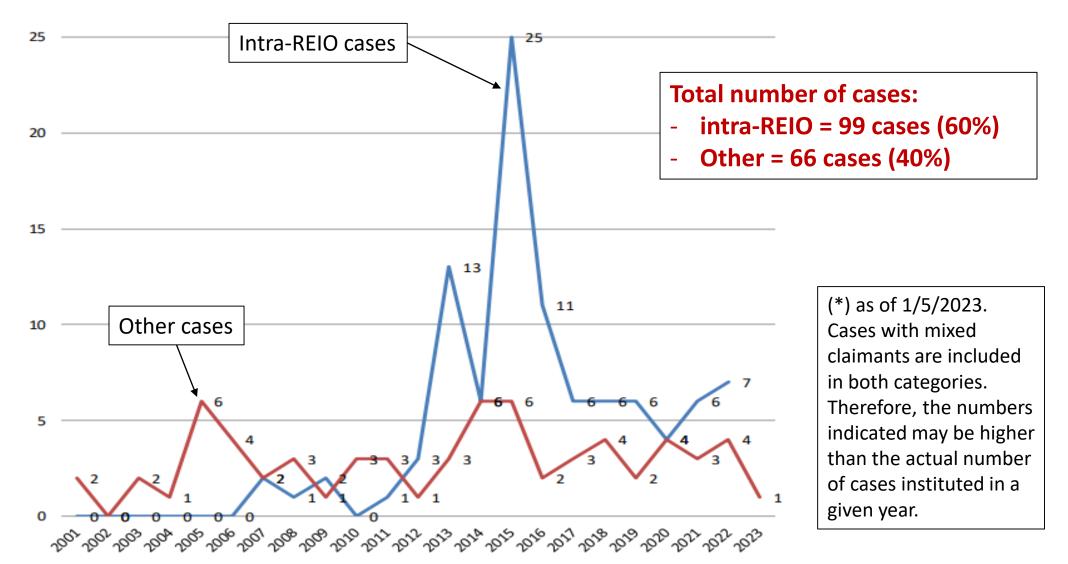
The generalized vision publicly presented immediately after introduction of the: (*) Third EU Energy package; (**) last Network Code to the Third EU Energy Package

Source: 17th Madrid Forum (January 2010); ACER Gas Target Model, 30th Madrid Forum (October 2017)

Source:

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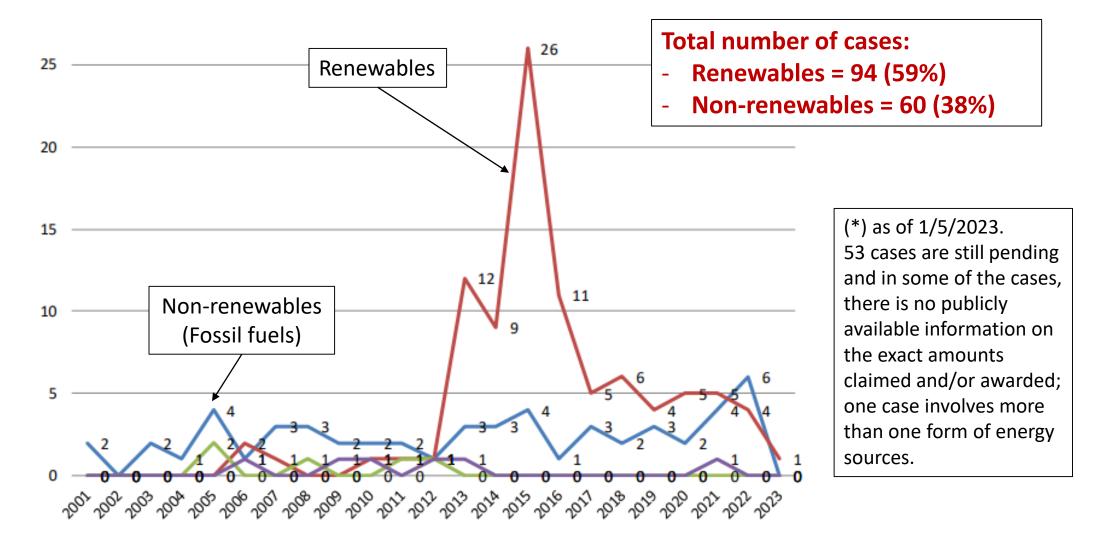
Intra-REIO Cases and Other Cases: 158 cases (*)



Source: Statistics of ECT Cases (as of 1/5/2023) // ECS, Brussels, 2023, p.6

(https://www.energycharter.org/fileadmin/DocumentsMedia/Disputes/20230501 - Statistics - Cases under the Energy Charter Treaty.pdf)

Distribution of Arbitration Cases under the ECT by Energy Sources Involved: 158 cases (*)

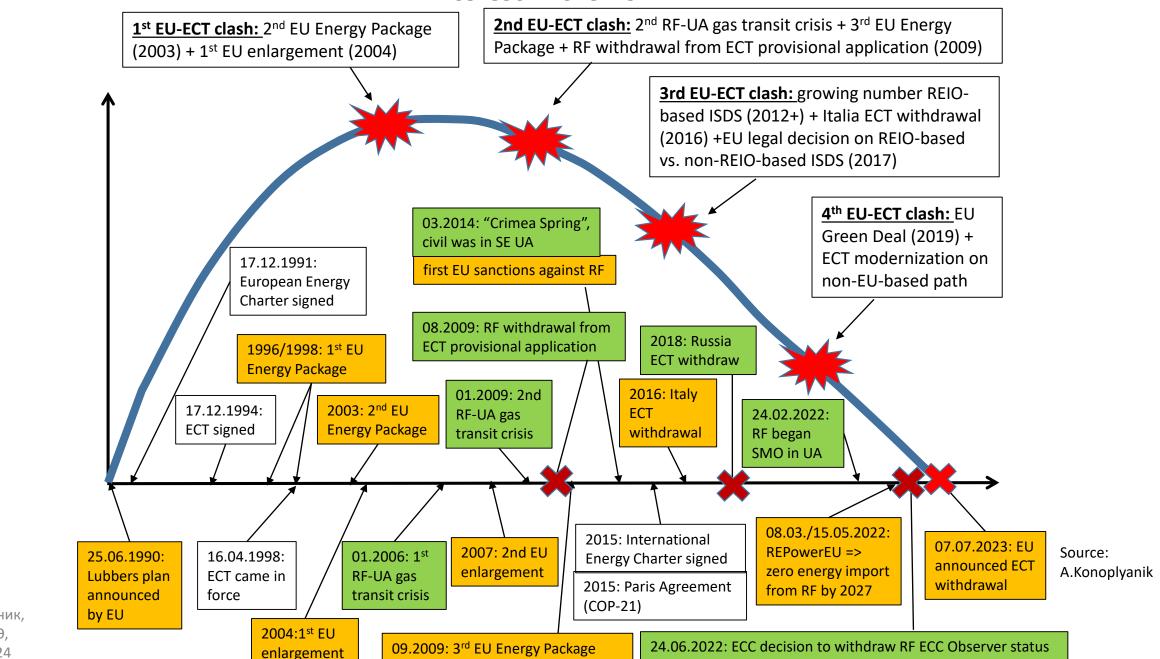


Source: Statistics of ECT Cases (as of 1/5/2023) // ECS, Brussels, 2023, p.2

(https://www.energycharter.org/fileadmin/DocumentsMedia/Disputes/20230501 - Statistics - Cases under the Energy Charter Treaty.pdf)

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Evolution of EU attitude towards Energy Charter through 1990-2023 & four steps of EU diminishing interest in the ECT



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Energy consolidation of Eurasia (acc. to A.Konoplyanik): demand for investment protection NG = natural gas LS-LNG = large-scale LNG SS-LNG = small-scale LNG UN SDG = sustainable development goals of UN Japan's religace on Russia nuclear power decreased significantly after the 2011 Fukushima nuclear disaster. floating mini-nuclear (coastal) + Kazakhstan Cyprus Lebanon Israel Bhutan (UN SDG 1-10, ...) Palestine India Yemen h 80% of demand eing met by coa Cambodia oil and solid biomass Electricity production in Eurasia by energy Singapore sources

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(1) Pipeline NG (continent => pipelines from 4 areas: Russia, Iran, Central Asia, Myanma) + (2) LS-LNG (coastal => LNG-tankers) +

(3) SS-LNG (coastal/continent => cargo airships from compressor stations on pipelines &/or LS-LNG Regaz terminals + modular decentralized cryogenic fuel stations/gas power stations) +

(4) electricity: nuclear/mini-nuclear (continent) +

(<u>additional for those interested states</u>):

- (5) H2 from NG (SMR+CCS, coastal/continent) +
- (6) H2 from NG (pyrolysis, coastal/continent) +
- (7) electrolysis (floating mini-nuclear)
- => energy consolidation of Eurasia based on its gasification, electrification, fight with energy poverty/upgrade living standards

•	•	•
	2011, %	2021, %
Coal	55	52
Nat.gas	19	17
Hydro	12	14
Nuclear	5	5
Wind	1	4
Solar	0	4
Liquid fuels	6	2
Biomass	1	2
Total, TW-h	9780	15370

Thank you for your attention!

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