

A background image showing a view of Earth from space, with glowing blue energy lines or fiber optic paths crisscrossing the globe, symbolizing global energy infrastructure.

# *Priority Project Identification and Implementation in the Contracting Parties*

9th Oil Forum

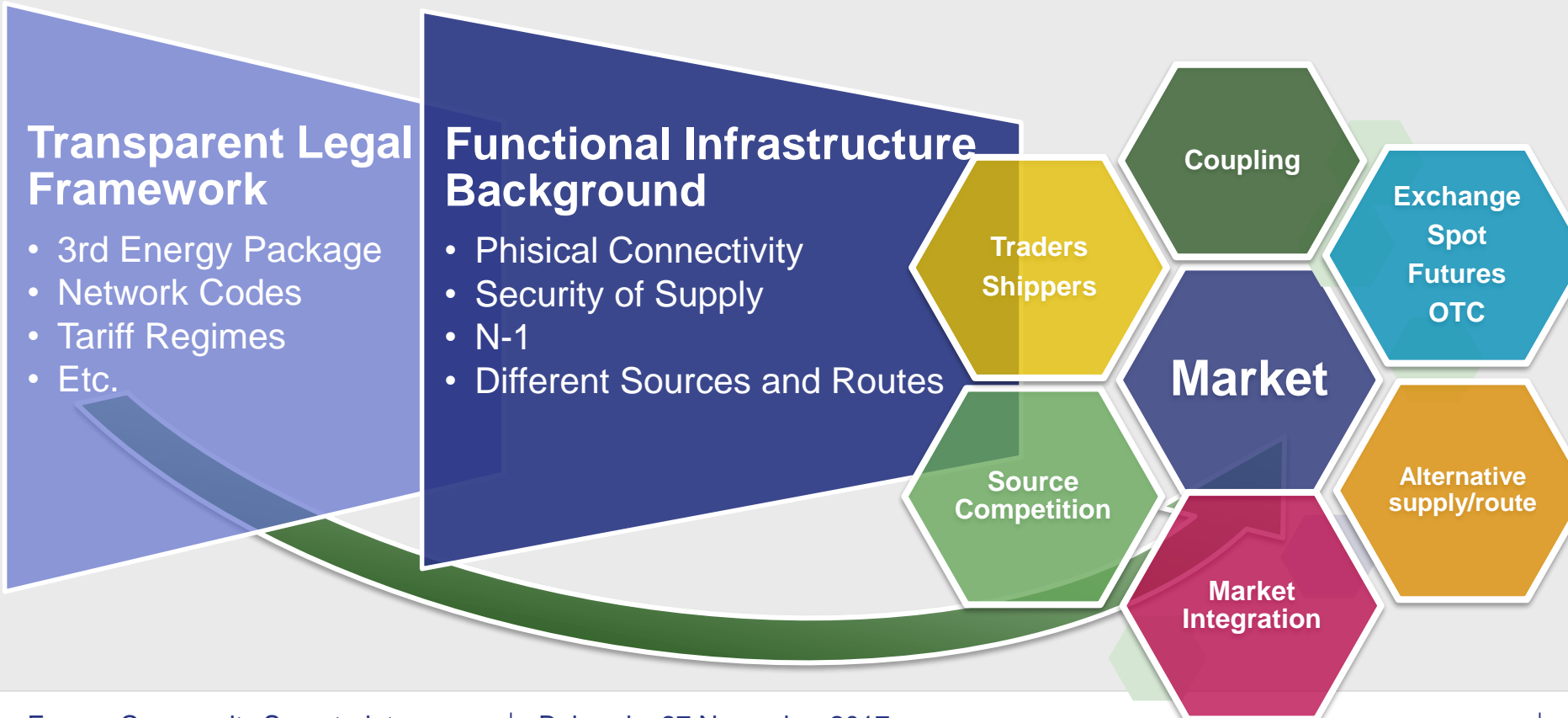
**Ádám Balogh**, ECS Gas Infrastructure Expert

Belgrade, 27 November 2017

# Why is there infrastructure aspect of ECS work...?



The colourful world of an energy market requires...





Regulation 347/2013 as part of the Legal Acquis:

## Identify electricity/ gas/ smart grid /oil Projects of EnC Interest/Projects of Mutual Interest – PECI/PMI

Foster implementation

Facilitate Permit Granting

Provide Regulatory Incentives

Monitor Implementation

# Project categories – PECE/PMI



<b>General Criteria</b>	<b>Potential Benefits outweigh costs</b>	Involves at least 2 CPs or a CP and a MS Located in one CP and has a Cross-border impact
	<b>Fits in the defined project categories</b>	
	<b>Electricity</b>	Market Integration SoS Sustainability
<b>Specific Criteria</b>	<b>Gas</b>	Same + Competition
	<b>Smart Grid</b>	
	<b>Oil</b>	SoS Mitigation of Environmental Risk Interoperability
<b>PECE</b>	If involves a CP and a MS has to be PECE first in EU	
<b>PMI</b>	If involves a CP and a MS and is not PECE in the EU	



- (3) concerning oil:
  - (a) pipelines used to transport crude oil;
  - (b) pumping stations and storage facilities necessary for the operation of crude oil pipelines;
  - (c) any equipment or installation essential for the system in question to operate properly, securely and efficiently, including protection, monitoring and control systems and reverse-flow devices;

# PECI/PMI selection process – project assessment workflow / methodology

- Market simulations – Socio-economic benefits per country
- Network simulation (electricity)

1  
Projec Data  
Submission

2  
Project  
Eligibility  
check

3  
Verification  
of project  
data

4  
Cost-Benefit  
Analysis  
NPV/IRR

5  
Multi-Criteria  
Analysis and  
result  
Aggregation

6  
Relative  
ranking of  
projects

Indicators s.a.:

- Enhancement of competition
- Improvement of System Adequacy
- Project Maturity



# Additional Benefits of Regulation 347/2013

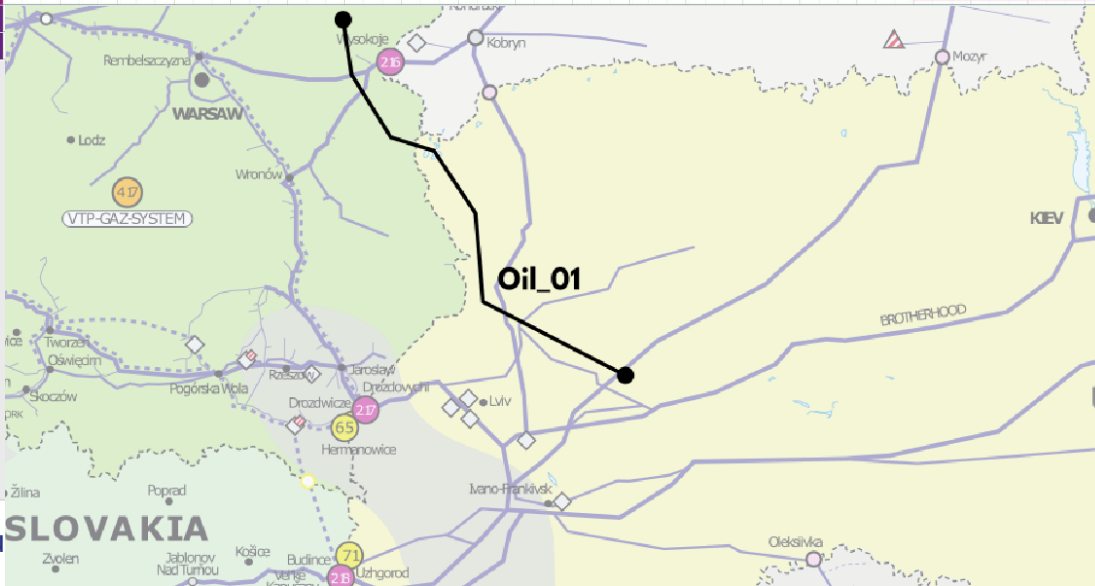
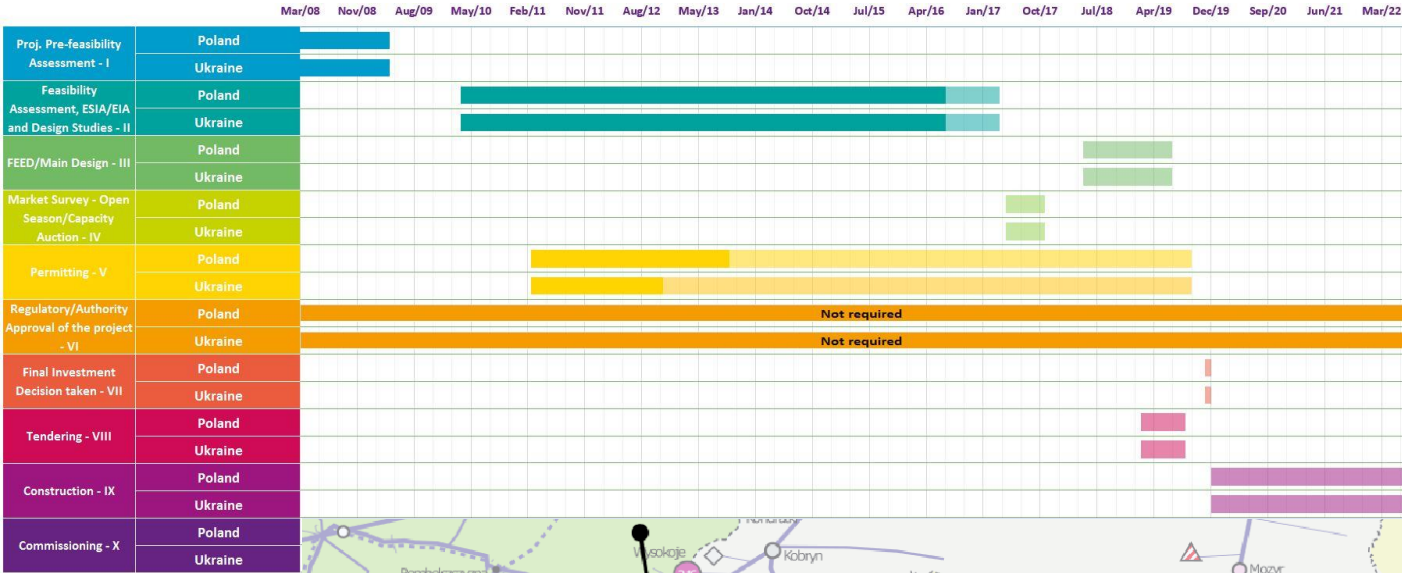
**BENEFITS**



# Oil\_01 / Adamowo (PL) - Brody (UA) Oil Pipeline

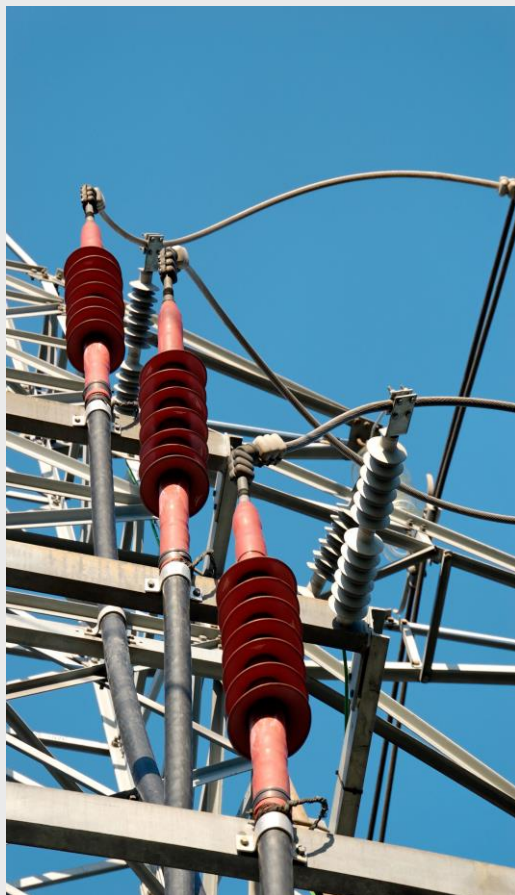



# The PECl/PMI list for Oil Projects





# The final PECI/PMI lists for electricity



 Electricity PECEs and PMIs	
<b>Electricity PECEs</b>	
Transbalkan corridor consisting of the following five PECE projects:	
EI 01	400 kV OHL Resita (RO) - Pancevo (RS)
EI 01	400 kV OHL Kragujevac (RS) - Kraljevo (RS)
EI 01	400 kV OHL Obrenovac (RS) - Bajina Basta (RS)
EI 01	400 kV OHL Bajina Basta (RS) - Visegrad (BA) - Pljevlja (ME)
EI 03	400 kV OHL Pljevlja (ME) - Lastva (ME)
Interconnection between Albania and former Yugoslav Republic of Macedonia:	
EI 13	400 kV OHL Bitola (MK) - Elbasan (AL)
<b>Electricity PMIs</b>	
Interconnection between Romania and Moldova:	
EI 06	Back to back station station on 400 kV OHL Vulcanesti (MD) - Issacea (RO) and new 400 kV OHL Vulcanesti (MD) - Chisinau (MD)
Interconnection between Ukraine and Slovakia:	
EI 09	Rehabilitation of 400 kV OHL Mukacheve (UA) – V.Kapusany (SK)

# The Map of PECI/PMI projects



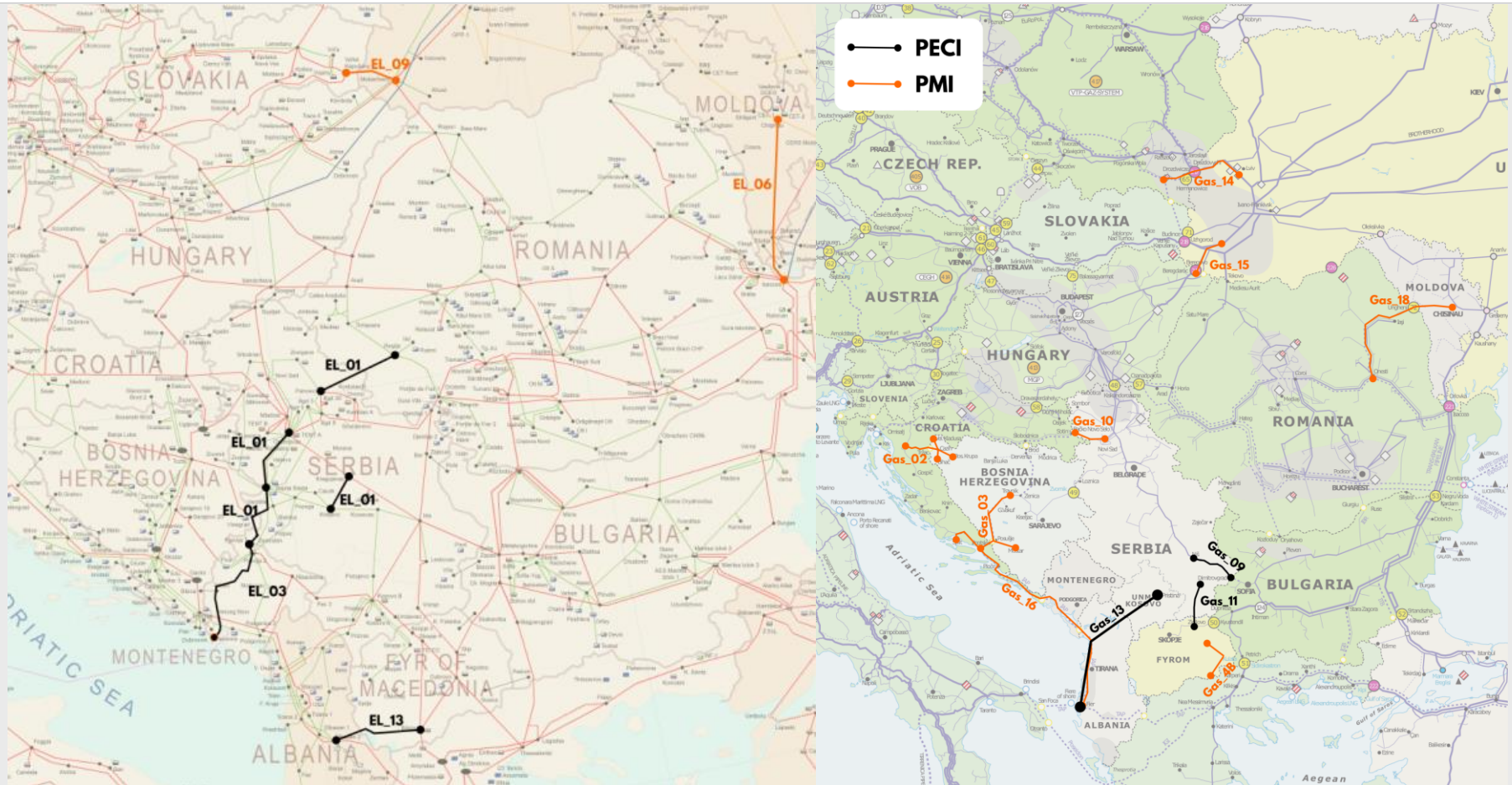
# The final PECI/PMI lists for gas



 <b>Gas PECIs and PMIs</b>	
<b>Gas PECIs</b>	
Gas 09	Serbia (Nis) - Bulgaria Interconnector
Gas 11	Serbia (Vranje) - Macedonia, FYR (Klečovce - Sopot)
Gas 13	Albania Kosovo* Interconnector (Fier - Lezha - Pristina)
<b>Gas PMIs</b>	
Gas 02	Bosnia and Herzegovina (Trzac-Bosanska Krupa) - Croatia (Licka Jesenica) Interconnector
Gas 03	Bosnia and Herzegovina - Croatia Interconnector (Zagvozd-Posusje-Noví Travník with a main branch to Mostar)
Gas 04B	Greece - Macedonia, FYR (Hamzali - Stojakovo) Interconnector
Gas 10	Serbia (Futog) - Croatia Interconnector
Gas 14	Development of Poland (Hermanowice) - Ukraine (Bilche Volytsya) reverse flow
Gas 15	Reverse flow, new firm capacity Hungary (Beregdaróc) - Ukraine (Beregovo)
Gas 16	Ion Adriatic Pipeline (Fier, AL - Split, HR)
Gas 18	Romania - Moldova Interconnector



# The final PECI/PMI lists for gas





The background is a satellite-style image of the Earth at night, showing city lights. Overlaid on this are numerous glowing blue lines that represent energy transmission paths, connecting various points across the globe.

*Thank you  
for your attention!*

[www.energy-community.org](http://www.energy-community.org)

Adam.Balogh@Energy-Community.org