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# **The Energy Community**

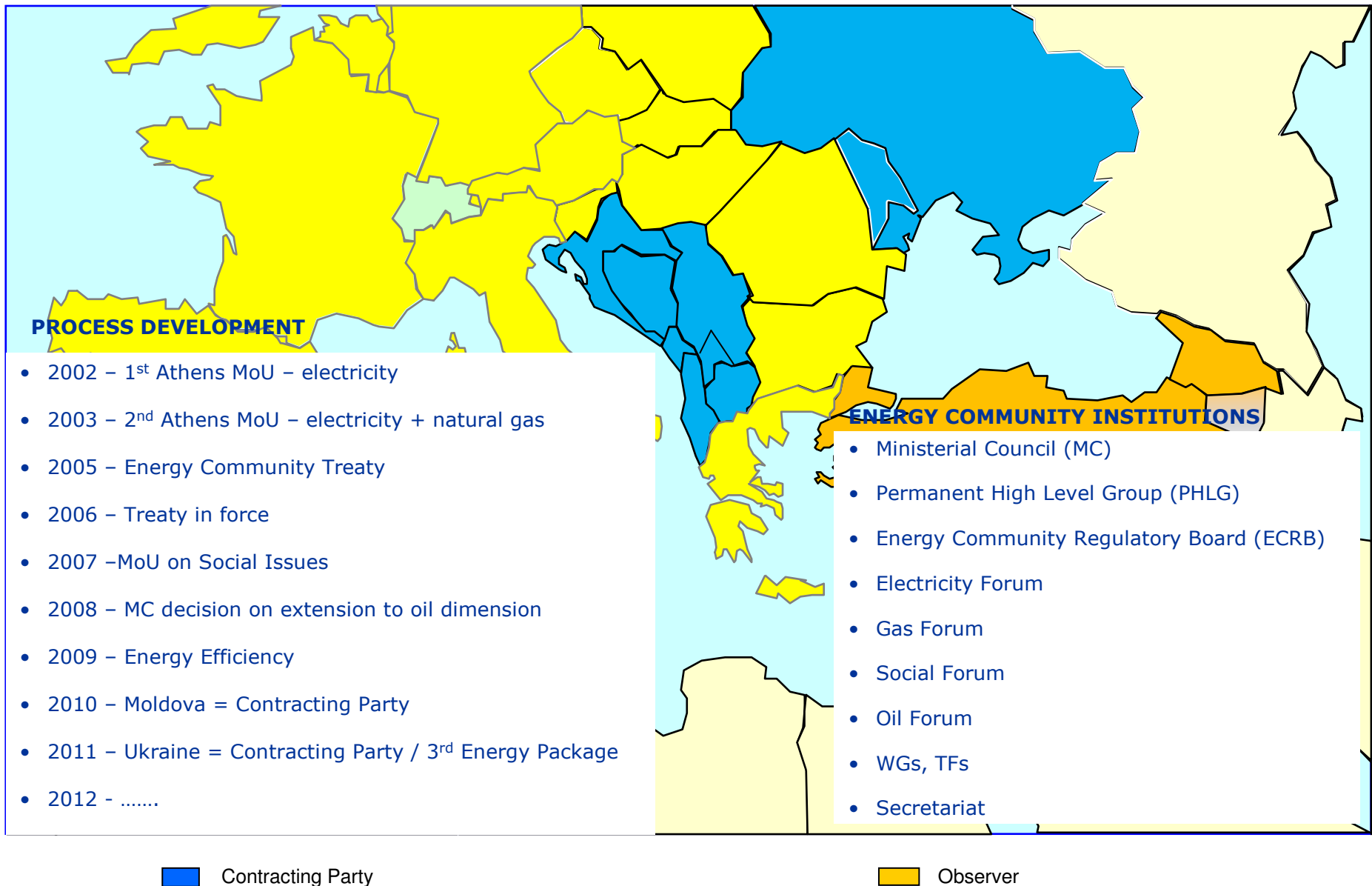
## **– a regional approach to security of supply**

JRC Petten /Enlarging and Integrating Energy Security - Assessing infrastructure in the electricity and gas sectors

5-7 October 2011, Dubrovnik, Croatia

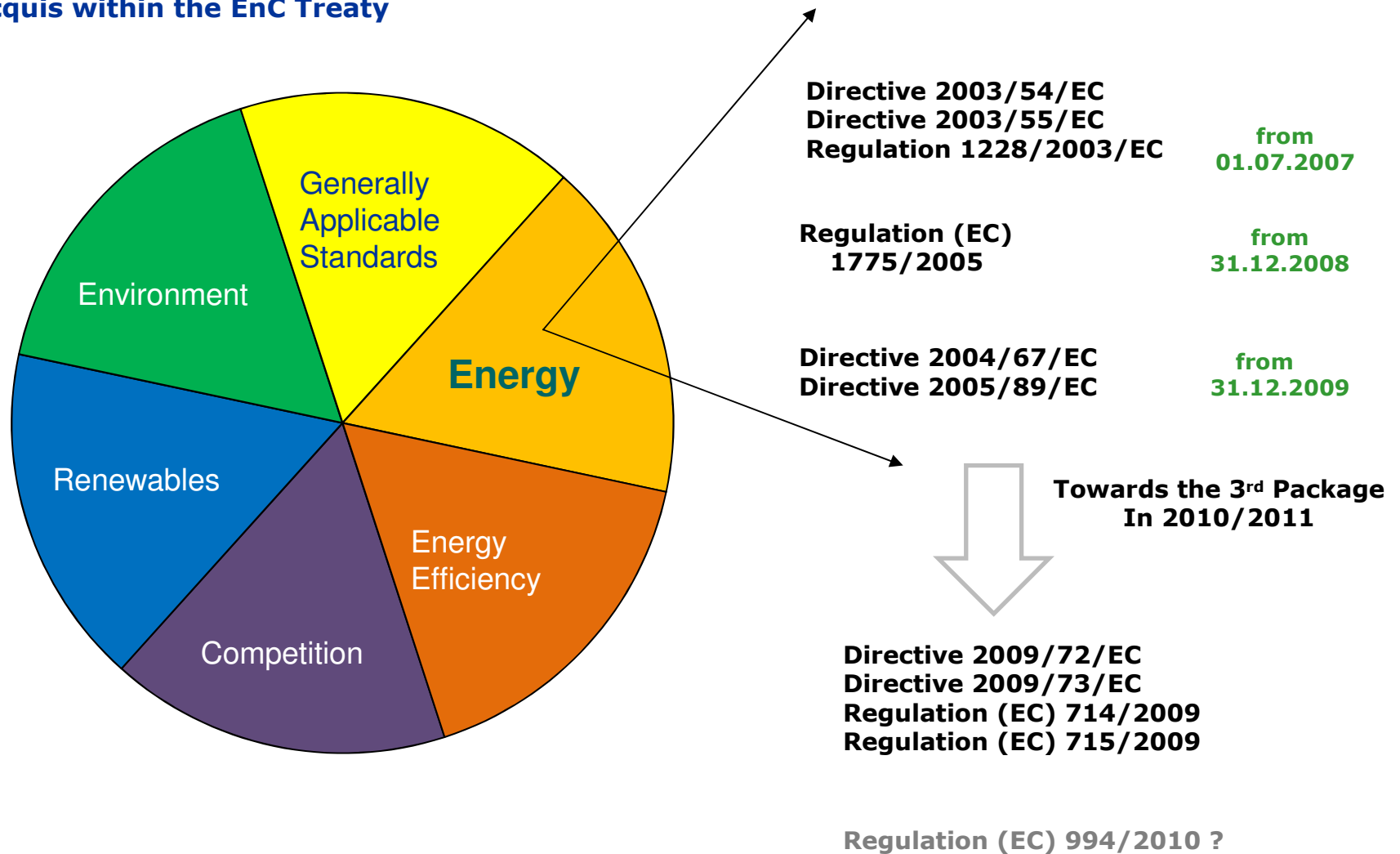
- Introduction – Energy Community Treaty
- Security of Supply - regulatory framework
- Security of Supply – infrastructure
- Conclusions

# Introduction – Energy Community Treaty



# Introduction – Energy Community Treaty

## Acquis within the EnC Treaty



### ***EnC Treaty/obligations from July 1, 2006***

#### ***Security of Supply Statements*** (Art 29-30)

Diversity of supply, technological security, geographic origin of imported fuels; update every 2 years

#### ***Safeguard Measures*** (Art 36-39)

Temporary necessary safeguard measures in sudden crisis which shall cause the least possible disturbance to the market functioning, to be notified to the ECS

#### ***Mutual Assistance in the Event of Disruption*** (Art 44-46)

Ad hoc Ministerial Council meeting, requested by the affected Party; necessary measures in response to the disruption

### ***Directive 2003/55 / obligation from July 1, 2007***

#### ***Safeguard Measures*** (Art 26)

Temporary necessary safeguard measures in sudden crisis which shall cause the least possible disturbance to the market functioning

#### ***Monitoring of Security of Supply*** (Art 5)

Institution responsible for monitoring, supply/demand balance, expected future demand and available supplies, envisaged additional capacity, quality and level of networks' maintenance, cover of peak demand

### **Directive 2004/67/ obligation from December 31, 2009**

#### **Specific definitions**

Long-term supply contract; major supply disruption

#### **Polices for securing gas supply**

Roles and responsibilities of the different gas market players; definition of minimum security of supply standards; Instruments for the security of gas supply

#### **Security of supply for specific customers**

Security of supply standards (extremely cold temperatures, national peak demand period, partial disruption, peak demand 1-in-20); definition of specific customers

#### **Reporting**

on impact of the measures for specific customers, on the levels of storage capacity, on the extend of long-term contracts, the regulatory frameworks-including incentives for investments

#### **National emergency measures**

Prepared in advance, published, updated when necessary

#### **Community mechanisms**

In the case of major disruption, especial group can be established at the request by affected country or by EC, measures on national and Community level

#### **Gas Coordination Group**

To coordinate security of supply measure; composition of MSs, representative bodies of industry, Energy Community Secretariat to represent the CPs (Observer status from 2007; Member status since August 2011)

### YES

Security of Supply Statements  
Responsibility for monitoring  
Most of roles and responsibilities

### NO

Specific Definitions  
Supply Standards

### PARTIALY

Reporting requirements  
National emergency measures  
Measures for specific customers  
Safeguards measures

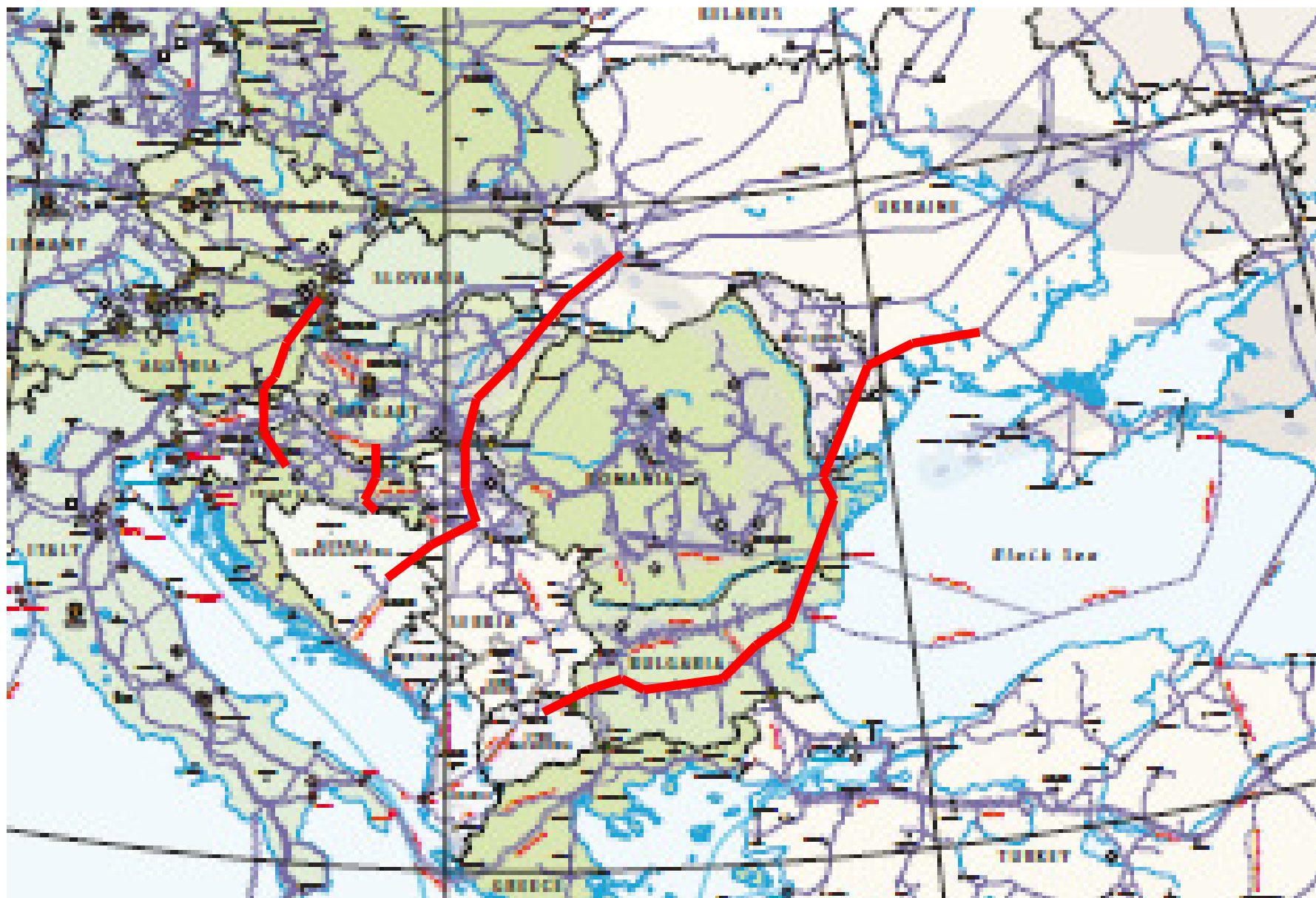
### Cooperation via ECS

Gas Coordination Group

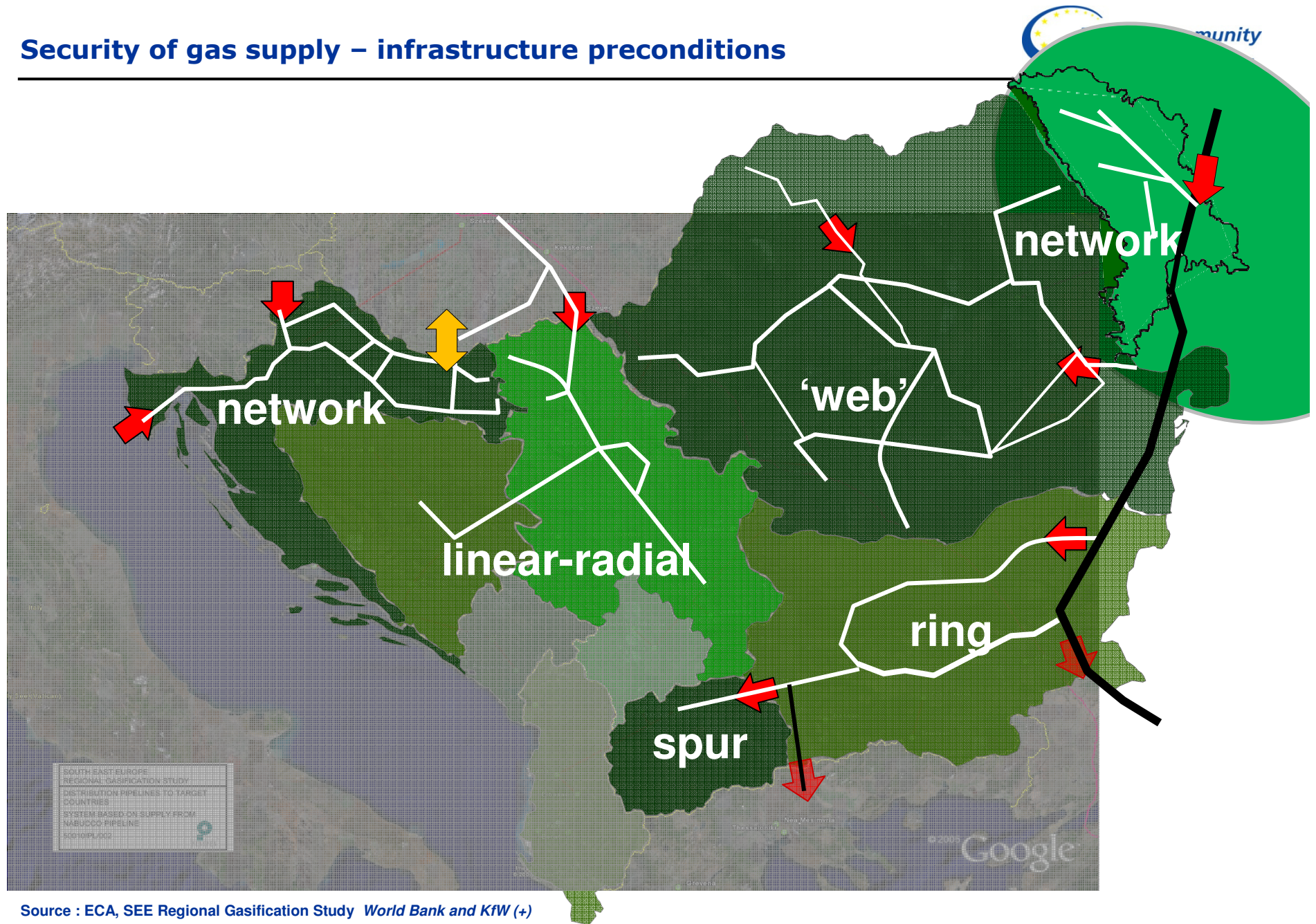
### EnCT Possibility

Mutual Assistance

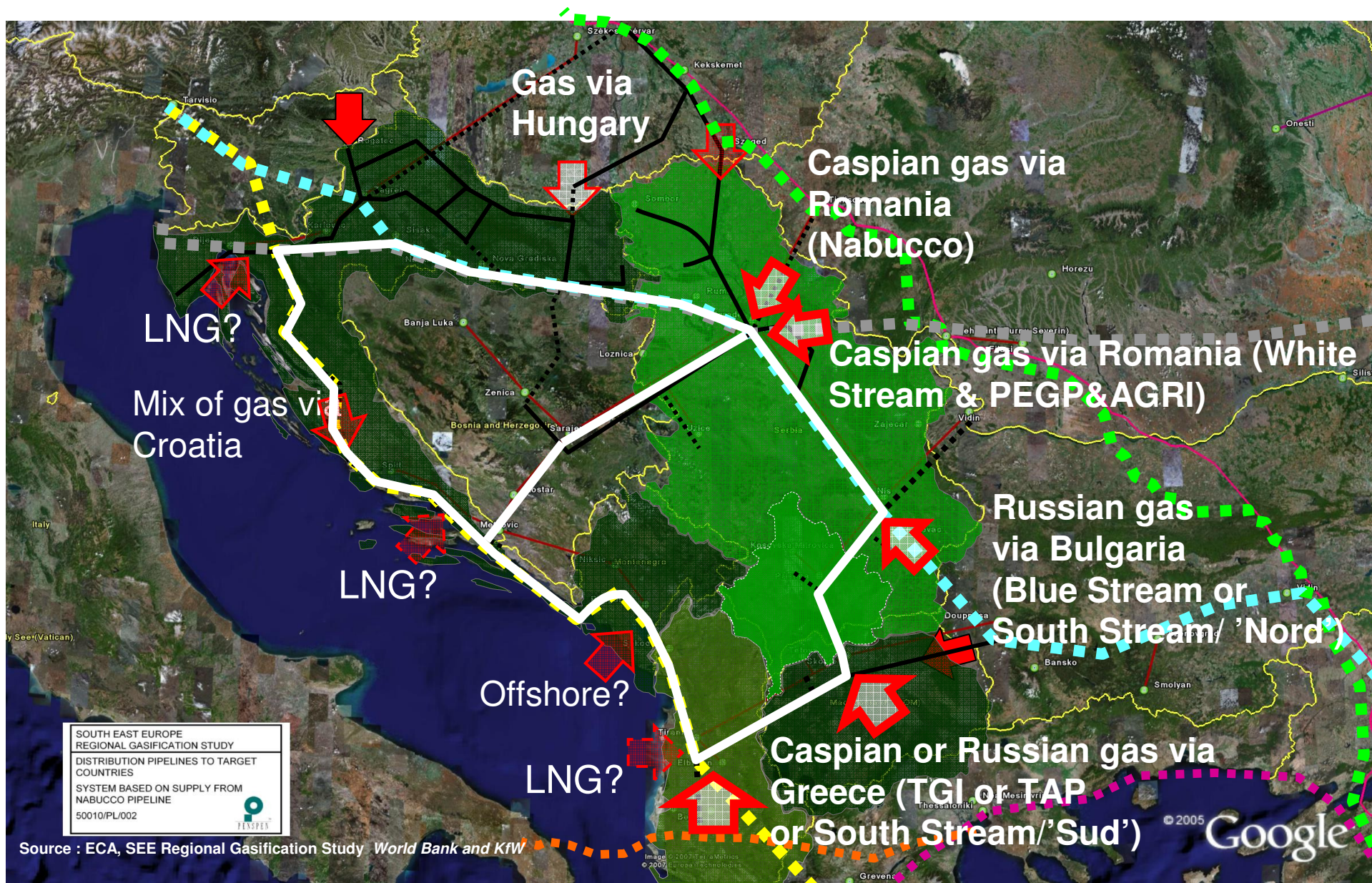
## Security of gas supply – infrastructure preconditions



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# Infrastructure preconditions - Energy Community Gas Ring Concept



## Gas Ring Realization - Progress during the last year



$$N-1 \equiv \frac{EP_m + P_m + S_m + LNG_m - I_m}{D_{max}} \times 100$$

Entry points    Production    Storage withdrawal    LNG terminal send-out    Single largest supply infrastructure  
 Total gas demand 1-in-20

**Regulation 994/2010 requirement:**

$$N-1 \geq 100\%$$

All parameters are maximal technical capacity in mcm/day

Albania	n/a
Bosnia and Herzegovina	0%
Croatia	*63% (**184%)
former Yugoslav Republic of Macedonia	0%
Moldova	0%
Montenegro	n/a
Serbia	*13.33%
Ukraine	?
UNMIK	n/a

\*Calculation based on data received in March 2010

\*\* With new interconnector Croatia - Hungary



- **Regional Energy Strategy**

Concept prepared by the ECS, to be discussed at the Ministerial Council

- **Regulation (EC) 994/2010**

To use regional approach maximally – following the supply routes, considering common Preventive and Emergency Plans

- Synergy & Coordination
  - in legislative and infrastructure development
  - in national strategies,
  - in regional approach,
  - in regulatory-investment issues
- Energy Community Treaty –
  - development tool for all Contracting Parties
  - frame for ensuring Security of Supply

# Thank you for your kind attention

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