



Ημερίδα «Μηχανισμός “Συνδέοντας την Ευρώπη”»

Αθήνα, 2 Δεκεμβρίου 2016

THE OEM CORRIDOR STUDY: OVERVIEW & BARRIERS TO CORRIDOR IMPLEMENTATION

SYSTEMA Transport Planning & Engineering









Background

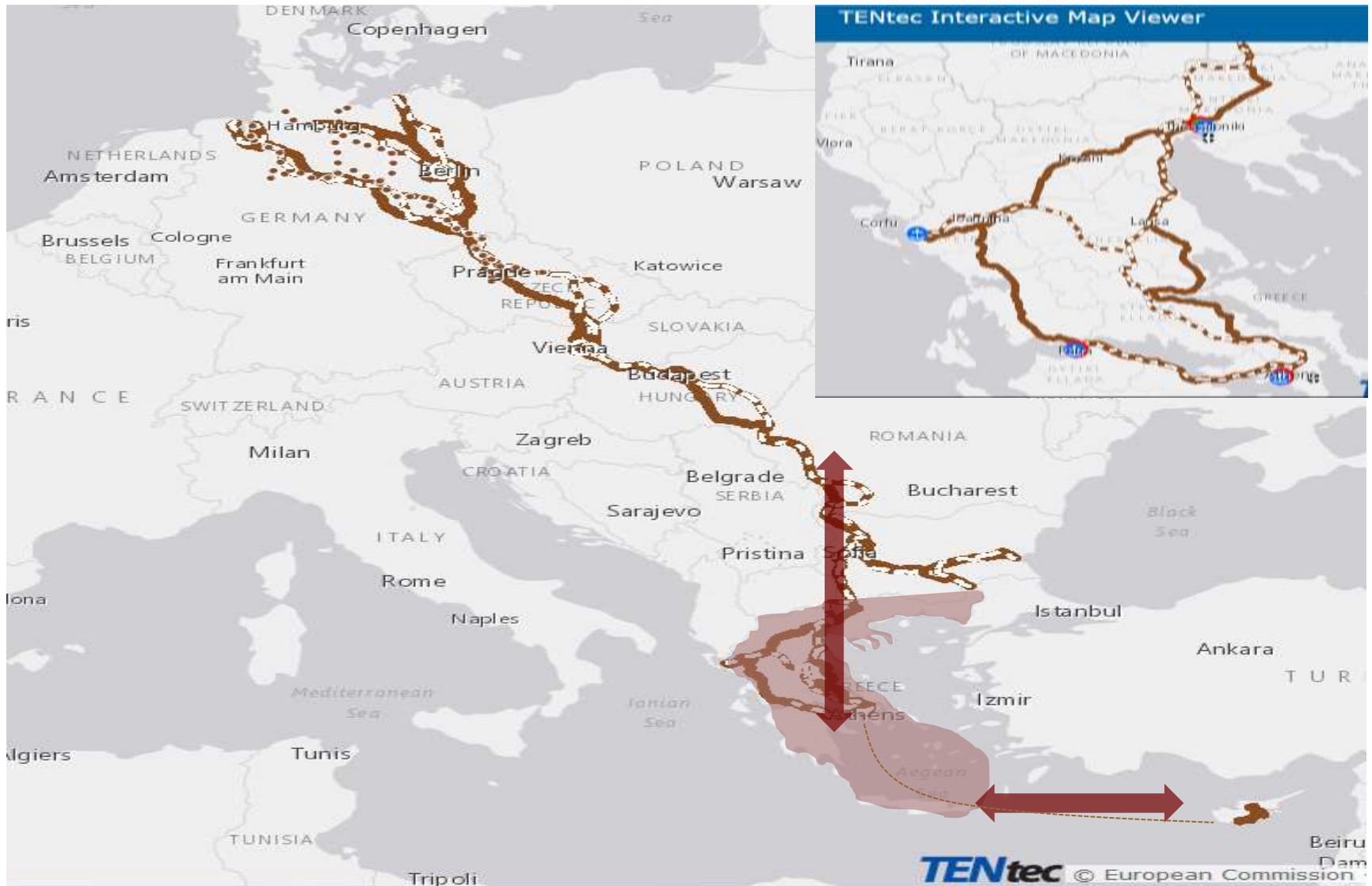
Organize efficiently future development of Core Network towards its 2030 key completion milestone.

- **9 Corridor Studies & Work Plan** by European Coordinator .
- **“Orient/East-Med” (OEM) Study 1st Phase:** awarded by DG MOVE to consortium led by iC consulenten : Jan-Dec 2014
 - Corridor Work Plan I presented by European Coordinator Mr Mathieu Grosch, and unanimously approved by all MS in **May 2015**.
 - Critical issues/bottlenecks and recommendations.
 - List of **280 on-going and planned projects** (infrastructure works and studies) of total cost **47.4bn €**.
- **OEM Study 2nd Phase: 2015-2017: Further development** of 2014 OEM Study to support *refinement of the Corridor Work Plan*.

OEM Corridor Study Team

	Name
	iC consulenten Ziviltechniker GesmbH Austria
	Institute of Transport and Communications Bulgaria
	Panteia B.V. Netherlands
	Railistics GmbH Germany
	SYSTEMA Transport Planning & Engineering Consultants Ltd. Greece
	PricewaterhouseCoopers Advisory SpA Italy

OEM Corridor



Progress achieved so far

- Definition of **Key Performance Indicators (KPI)** to assess Corridor evolution and projects.
- **NEW PROJECT LIST**
 - Updating, adding/deleting projects
 - More detailed information per project (feasibility and maturity for implementation)
 - Evaluation (contribution to KPI improvement, bottleneck elimination, capacity improvements, last mile, etc.)
- **Corridor mapping** (Which projects ready by 2030? Which missing to complete the Corridor?).
- Preliminary Report on the **Wider Elements of the Work Plan**

Wider Elements of the Work Plan



Focus: Proposed priorities/measures for implementation of OEM

- Plan for removal of physical and technical barriers
 - Required projects for compliance until 2030
 - Identification of pertaining critical issues
- Potential administrative and operational barriers
- Urban node analysis



**1st update: Second Corridor Work Plan in June 2016
(*approved November 2016*).**

Overview of OEM projects 2016 – 2030+

Total cost for 321 projects:
57.2 bln €

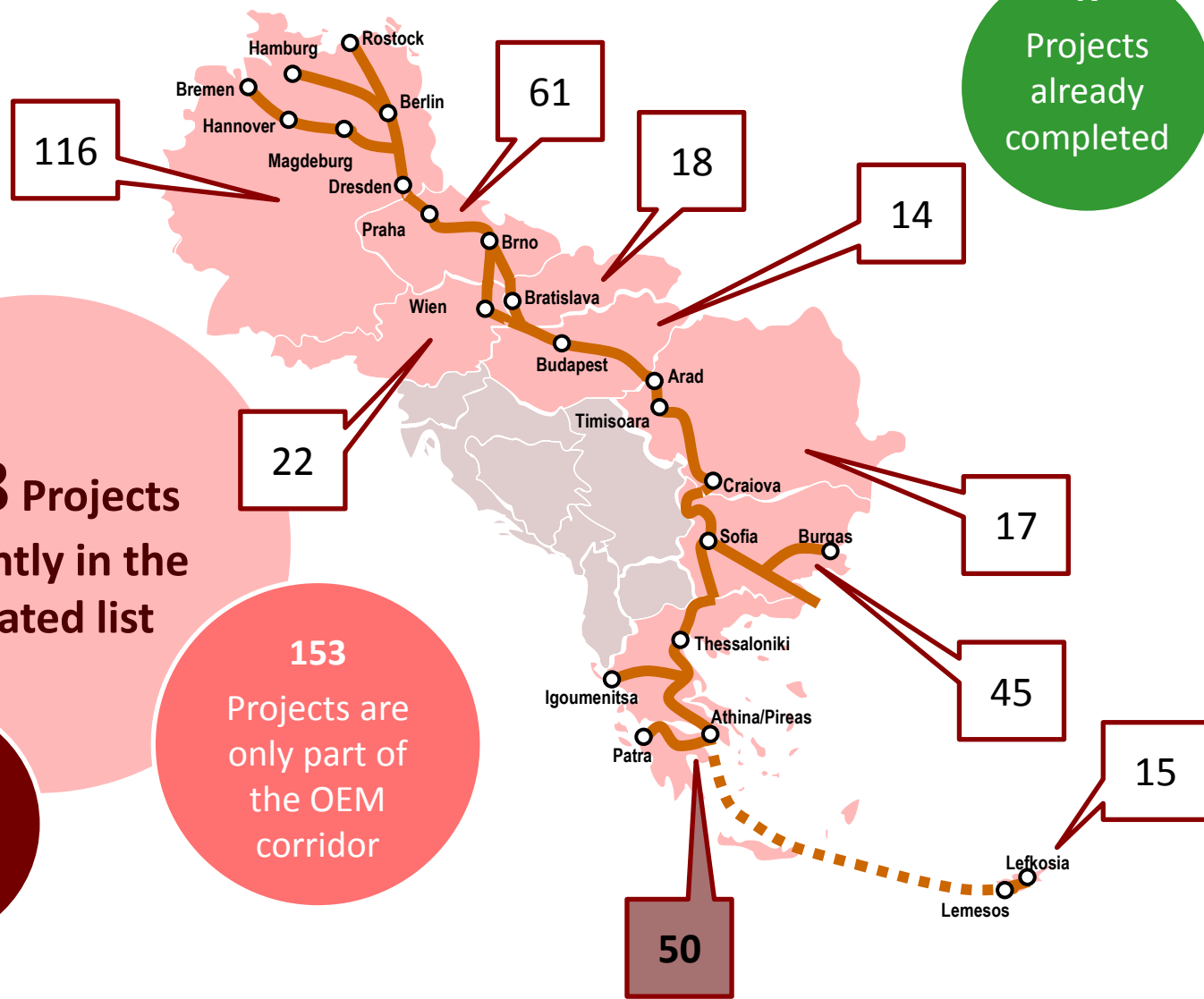
47
Projects already completed

192
Projects will be completed by 2020

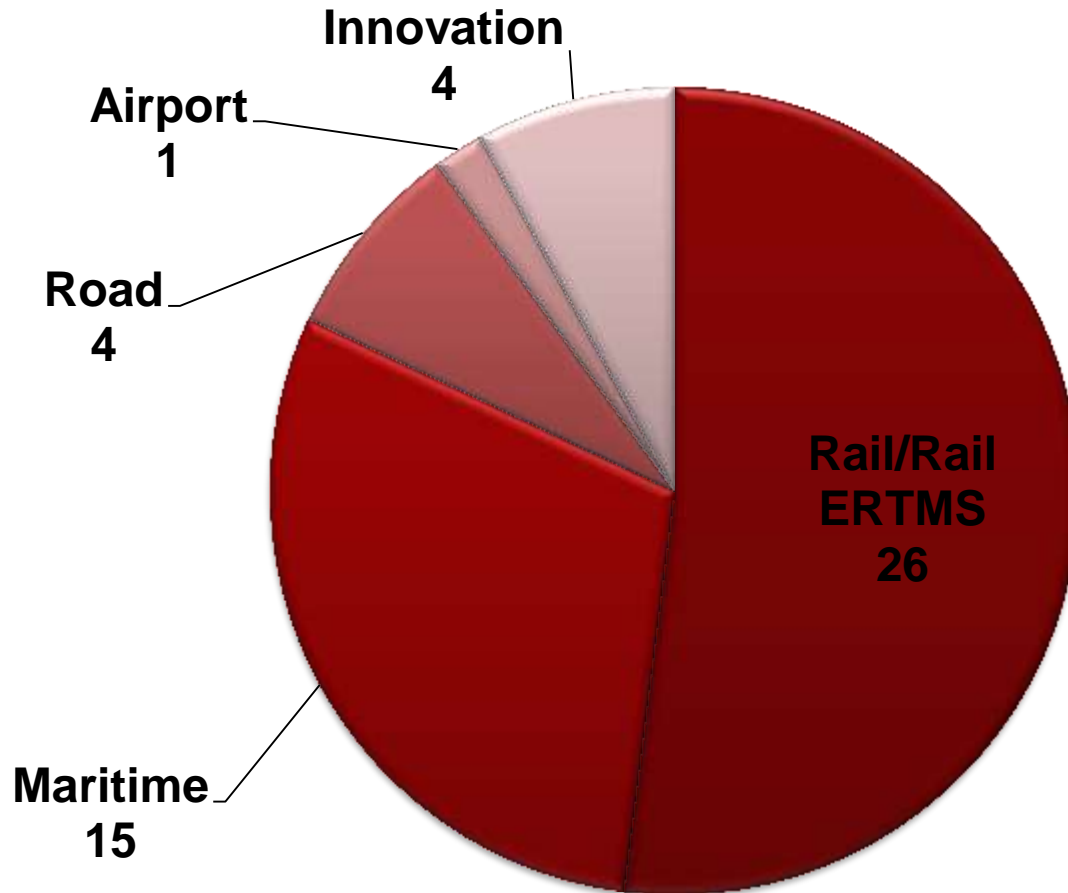
358 Projects currently in the updated list

128
On-going

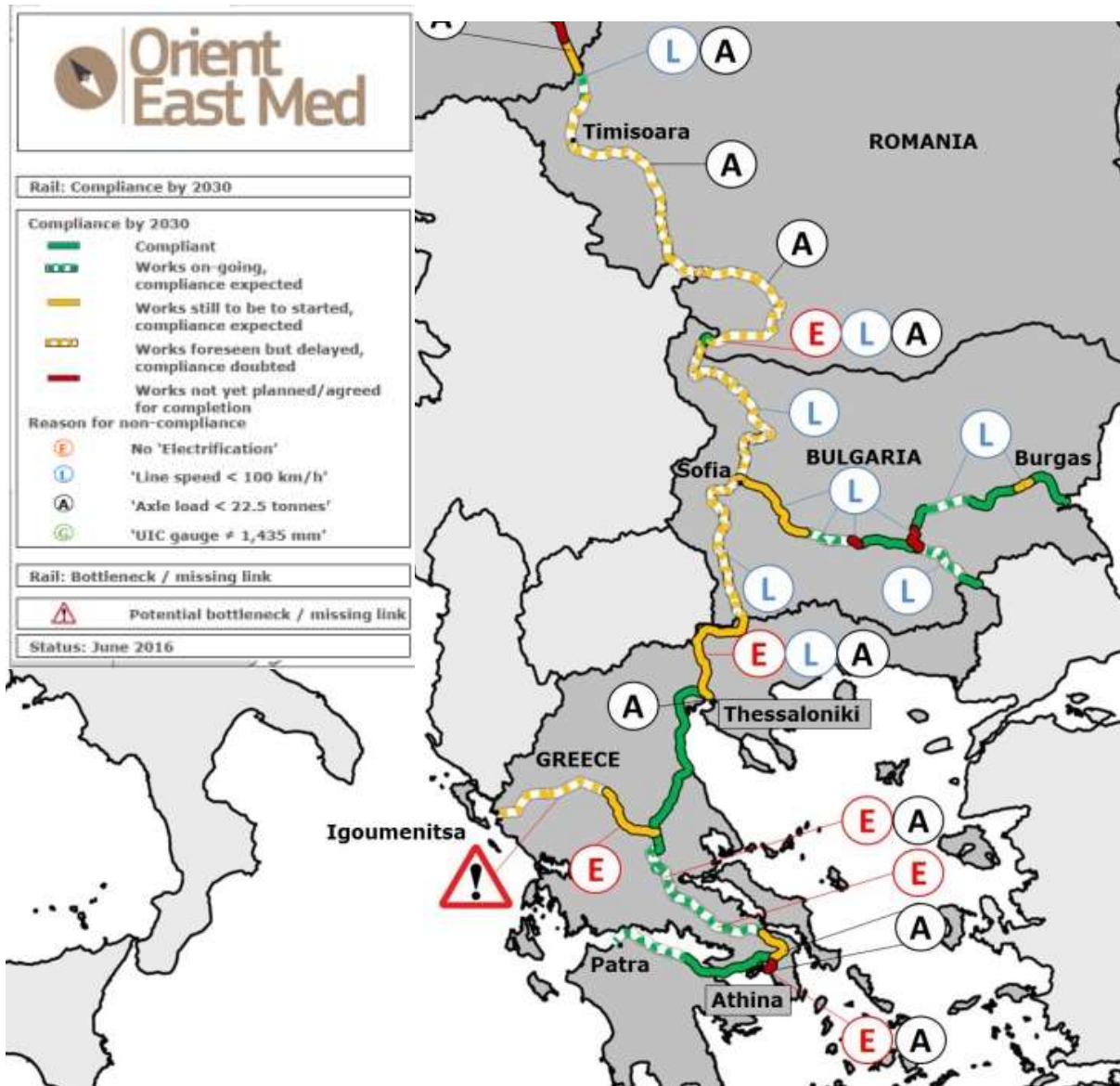
153
Projects are only part of the OEM corridor



Projects submitted by Greece



Rail: Compliance 2030 (South)



Critical Rail Issues:

- ERTMS, Train length
- Axle load issue in Romania
- Line speed issue in Bulgaria
- Hinterland rail connections of seaports in Greece (Igoumenitsa!)
- Interoperability issues along the long section Békéscsaba – Thessaloniki (HU-RO-BG-EL)

Key Barriers to OEM Corridor implementation by 2030

Rail: Imminent non-compliance 2030

MS	Sections	Non-compliance 2030
EL	Tris Gefyres -SKA	Line speed <100 km/h Axle Load <22.5 t
EL	Pireas-Tris Gefyres	Line speed <100 km/h
EL	Pireas - Tris Gefyres – SKA	Train Length<740m
EL	Kiato - Korinthos – Thriassio – SKA	Train Length<740m
EL	Thessaloniki Old Freight Station	<740m train terminal accessibility.
EL	Patra Rail Road Terminal (RRT)	-

Rail operational/administrative barriers

- Set-up of **Working Group on Cross Border Issues** (1st meeting –March 2016, Hungary)
- **Joint Ministerial Declaration** on *effective improvements eliminating the bottlenecks and facilitating international traffic on the Orient/East-Med Rail Freight Corridor* signed among Ministers of Austria, Bulgaria, Czech Republic, Germany, Greece, Hungary, Romania and Slovakia in TEN-T days (June 2016, Rotterdam).
 - **Target:** maximum 2 hours waiting time, except for waiting times due to border procedures specific to Schengen external borders, as soon as possible and at the latest by 30 June 2018.
 - **Rail Cross Border Action Plan** in cooperation with RFC7.

Key Barriers/Actions for implementation of OEM Corridor Seaports

Seaports with a need for action	Required interventions
Port of Igoumenitsa	Rail connection before 2030
All	Availability of clean fuels
Ports of Pireas/Heraklion	Motorways of the Sea standards (MoS link-Lemesos, CY)
All	Implementation of a National Single Window in accordance with Directive 2010/65/EU
Port of Thessaloniki	VTMIS deployment
Ports of Igoumenitsa and Patra	Repair VTMIS system to resume operation
Ports of Pireas, Patra and Igoumenitsa	Build on developed pilot applications and finalise a functional PCS deployment

Recommendations

- Projects address identified bottlenecks; BUT ***several with unknown timelines and non-secured financing.***
- **Focus on projects until 2030:**
 - Cross border link between Kulata (BG)-Promahonas (EL)-Thessaloniki
 - Acceleration of ERTMS implementation
 - Rail connections of Ports of Igoumenitsa and Patra
 - Alternative fuels facilities at seaports and use of new technologies
 - Road sector: sufficient parking areas, interoperability of electronic toll collections systems
- Greece to be positively active in Working Group for Action Plan on Cross-Border Issues.


Indicative projects

- Upgrading of the existing single line Thessaloniki -Promahonas
- Completion of remaining studies and elaboration of tender documents for the construction of the line Kalambaka- Ioannina – Igoumenitsa –Phase C
- Construction of new single railway line Kalambaka- Ioannina – Igoumenitsa
- Upgrading of infrastructure and superstructure along SKA -Inoi section
- Studies, infrastructure upgrading, electrification, telecommanting signalling on section Patra (Bozaitika area)-Patra (New Port)
- Works on Pireas-Athina RS section
- Rail connection to the freight Port of Thessaloniki (6th pier)
- Installation of electrification and ETCS level 1 in Paleofarsalos-Kalambaka section
- Port of Heraklion: Expansion / Construction of new port facilities

Next Steps

■ Corridor Study on-going **until December 2017.**

- Monitoring compliance check/updating project list (e.g. CEF 2015).
- Project clustering.
- New elements (environmental impact, climate change, innovation deployment)

 **2nd update in 2018: Full Corridor Work Plan in accordance with Article 47.1 (TEN-T Regulation)**

■ **Upcoming Meetings:**

- **9th OEM Corridor Forum -December 8th , 2016.**
- **OEM Seaports Working Group Meeting: -December 8th , 2016,** (exchange of best practices on use of new technologies and “green ports” actions).
- **2nd Meeting of the Working Group on Cross Border Issues** (first trimester of 2017).

For more information pls contact

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