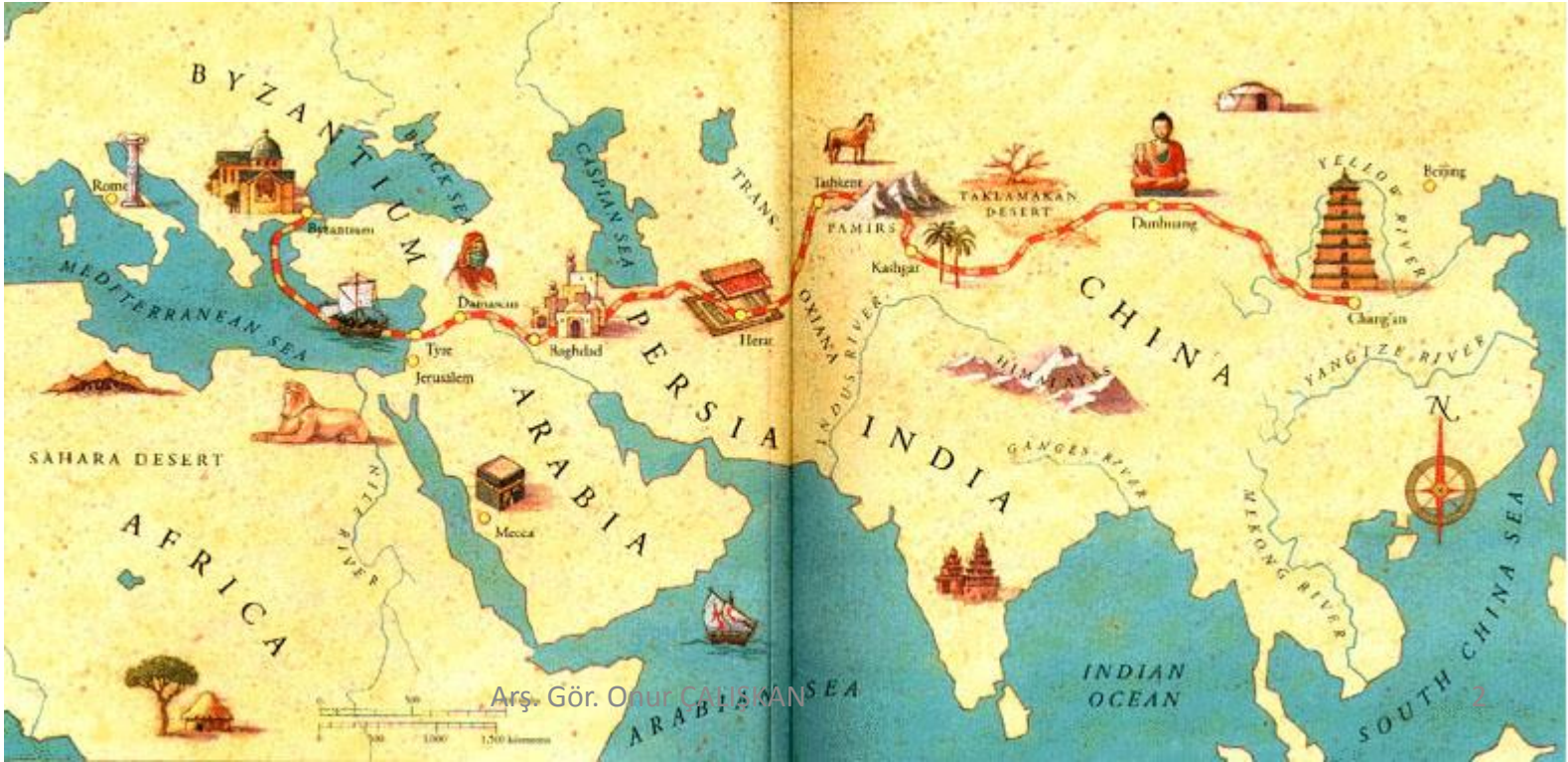


# BÖLÜM VII

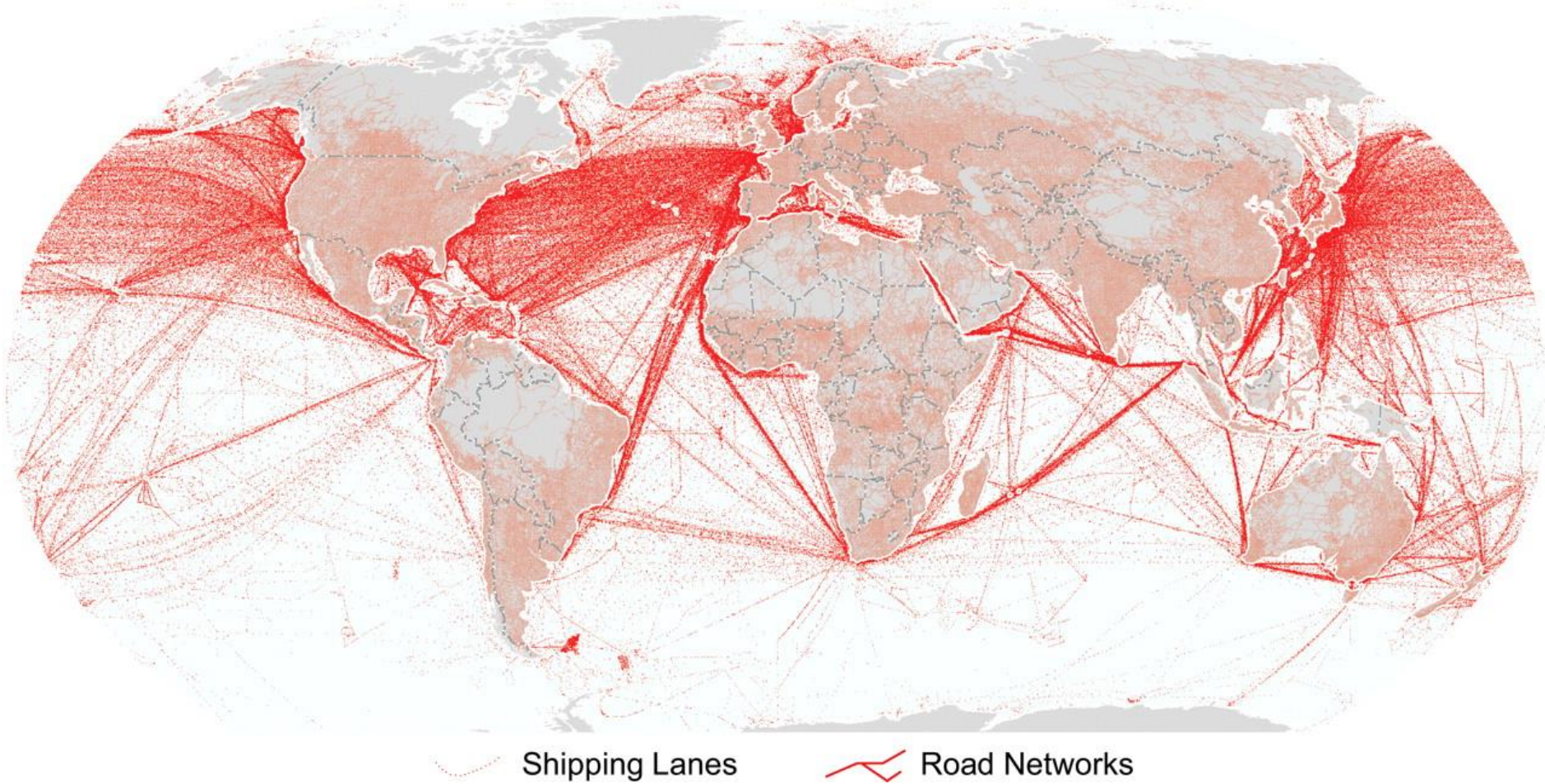
## ULAŞIM



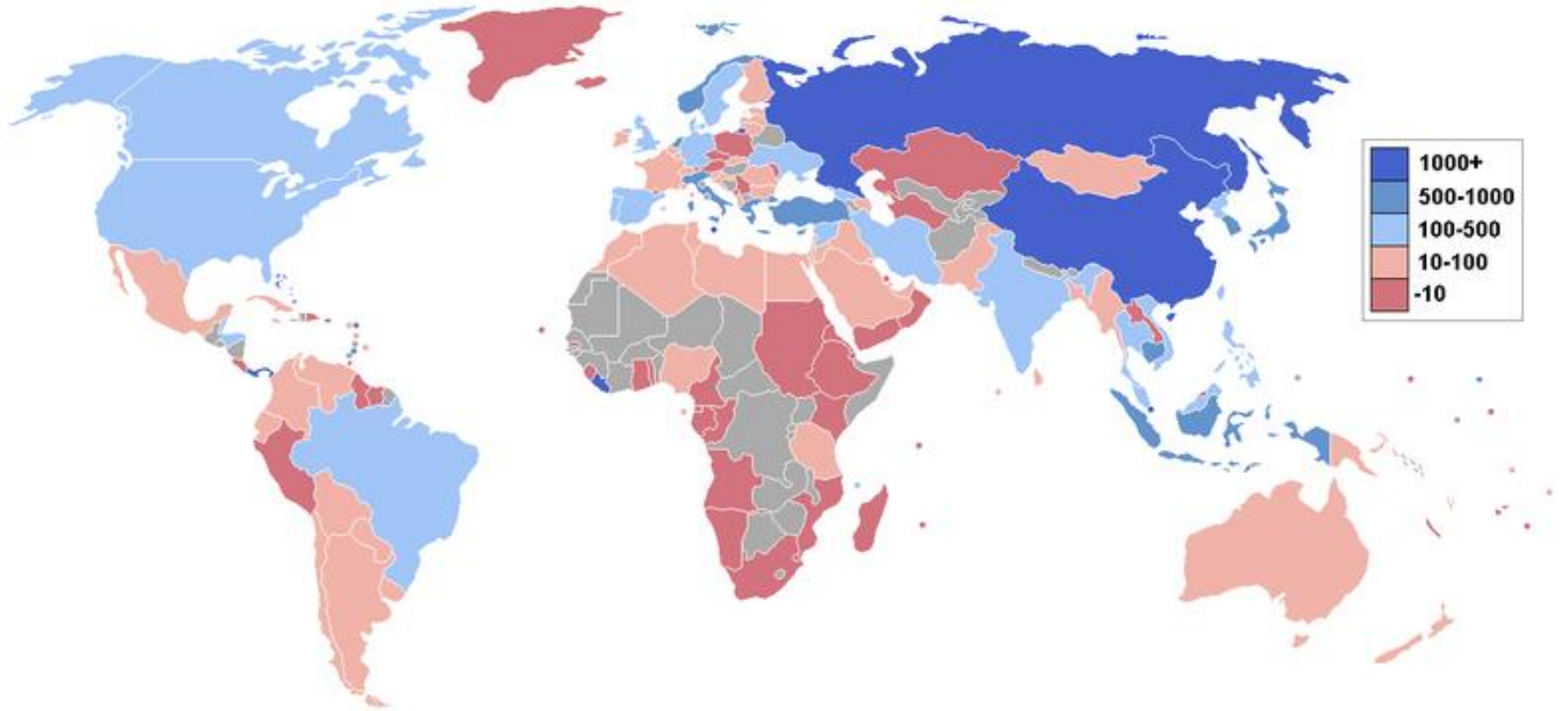




# ULUSLARARASI / KITALARARASI ULAŐIM AĐI



# 1. Deniz Yolları



2005 registration of merchant ships (1,000 [gross register tons \(GRT\)](#) and over) per country.<sup>1</sup>



Most modern merchant ships can be placed in one of a few ca



**Bulk carriers**, si  
cargo. It can be i  
lakes are too sm  
America for over



**Container ships**  
commercial inter  
by diesel engine:  
room.



**Tankers** are can  
vegetable oils, w



**Reefer ships** are  
vegetables, dairy



**Roll-on/roll-off s**  
(or ro/ro) vessels  
operate across riv



**Coastal trading v**  
hulls mean that th



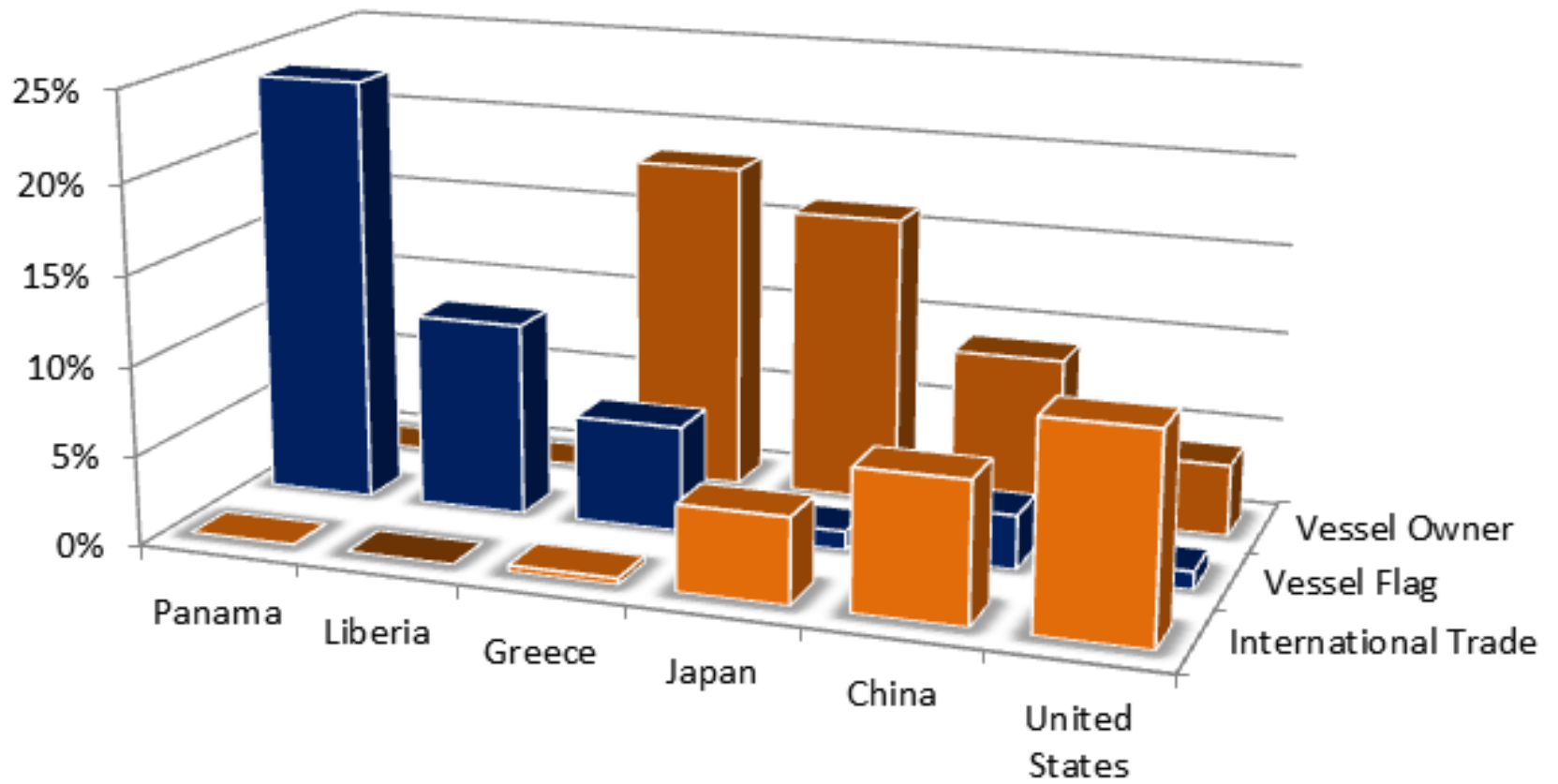
**Ferries** are a form used to transport services. A foot-p systems of many operating in North



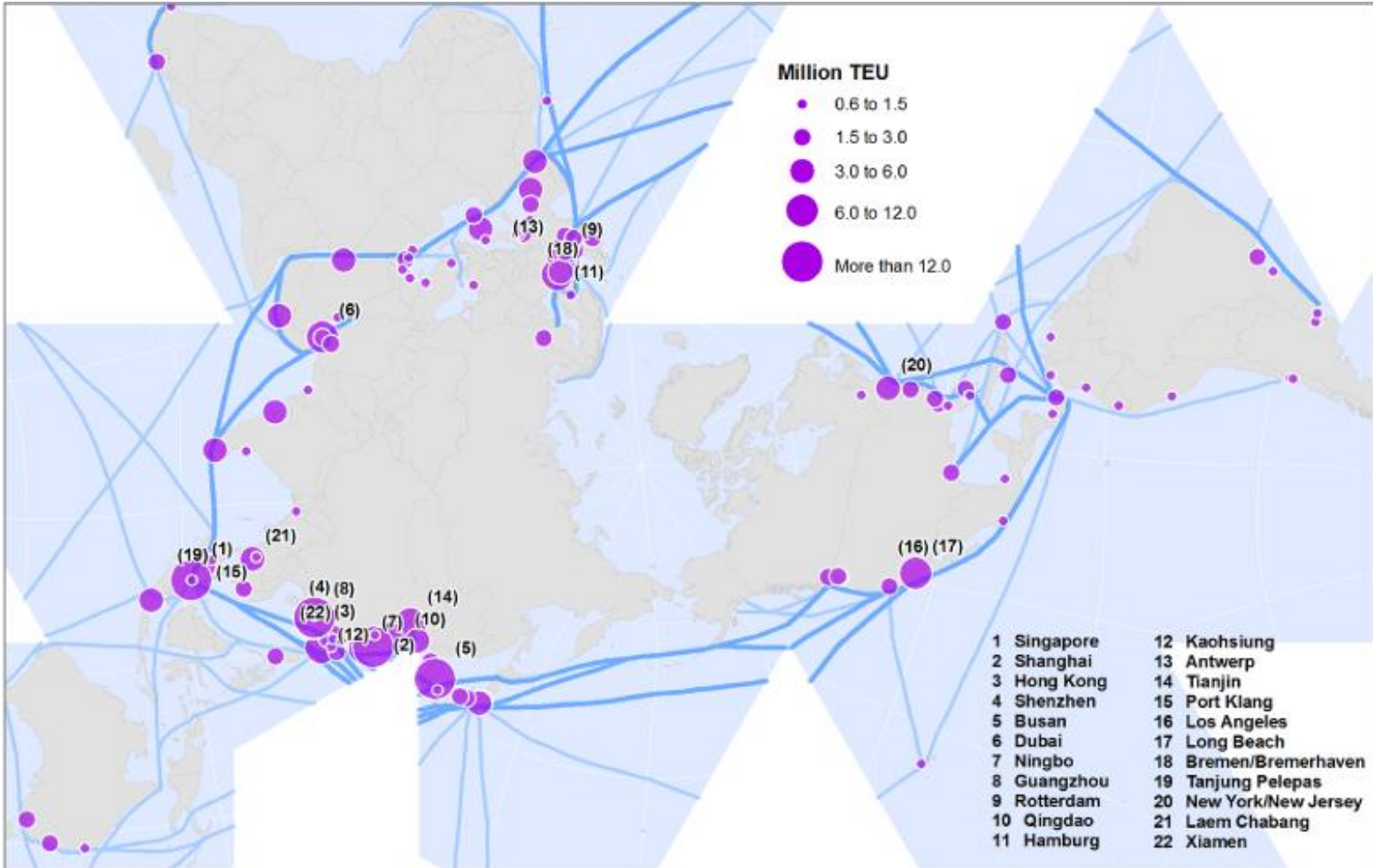
**Cruise ships** are experience. Cruis nine or more new markets such as sea this market is



**Cable layer** is a or more spools th





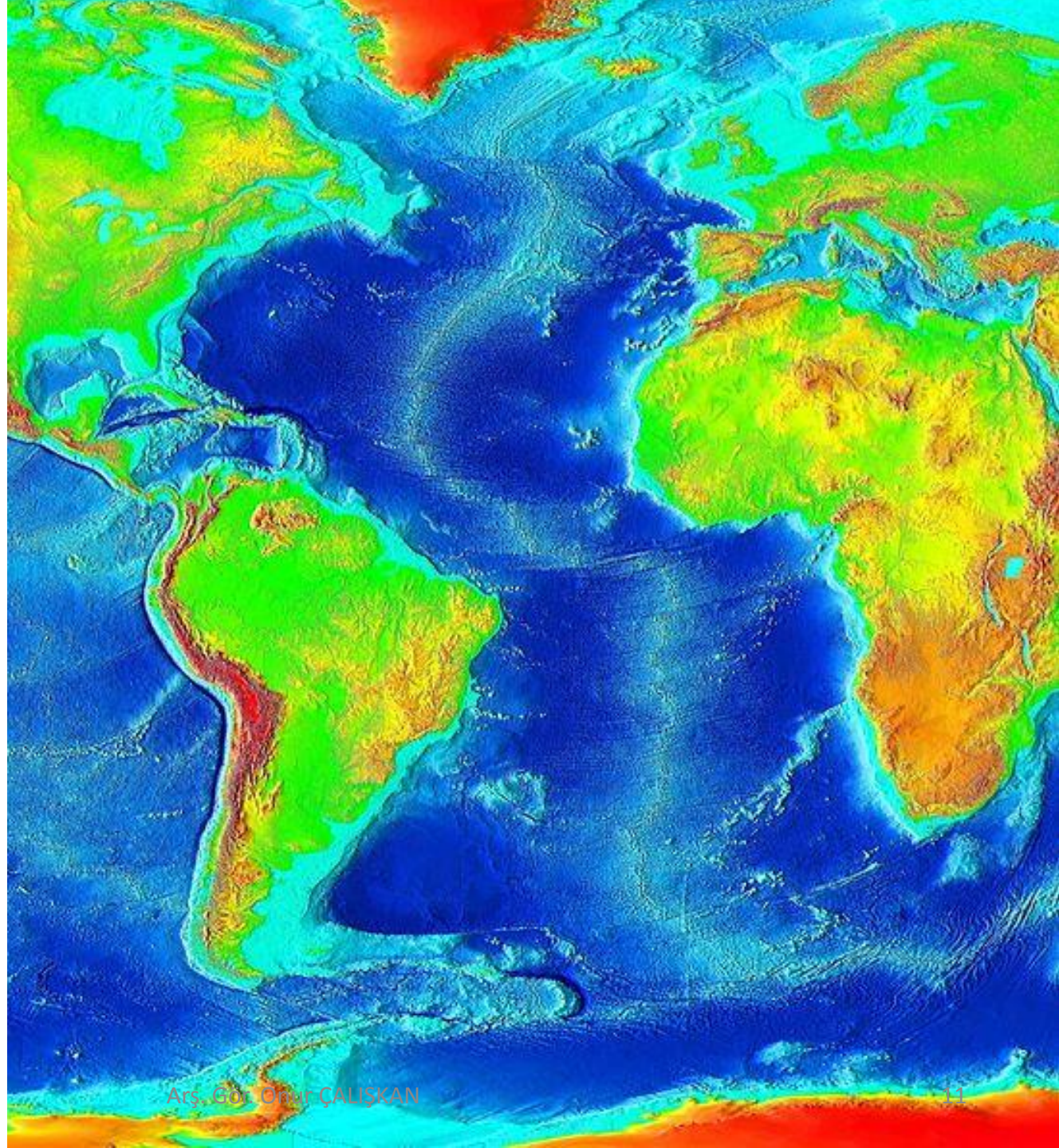


# ANA DENİZ YOLLARI





# Kuzey Atlantik Yolu

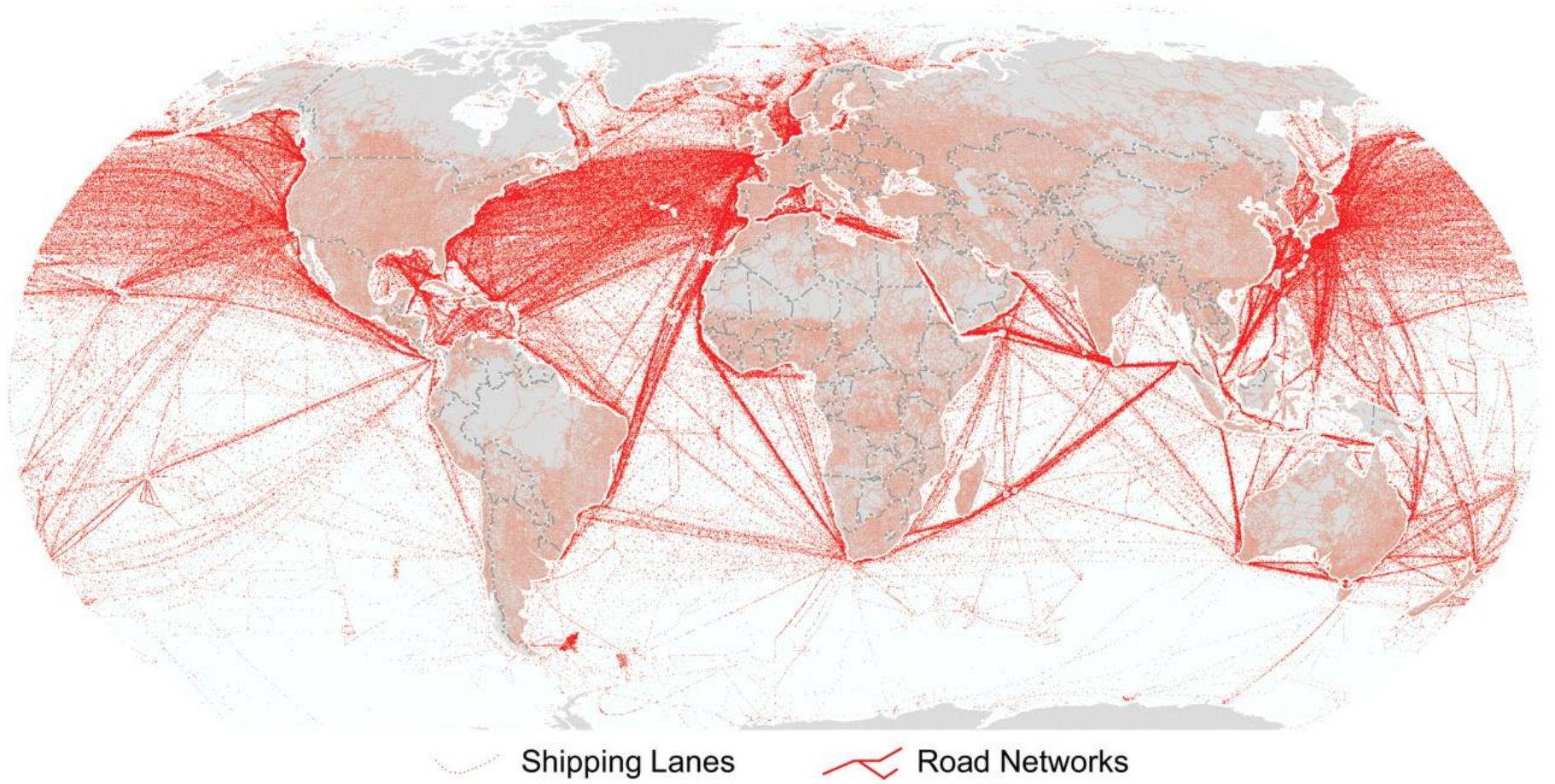


20.05.2016

Arş. Gör. Ömer ÇALIŞKAN

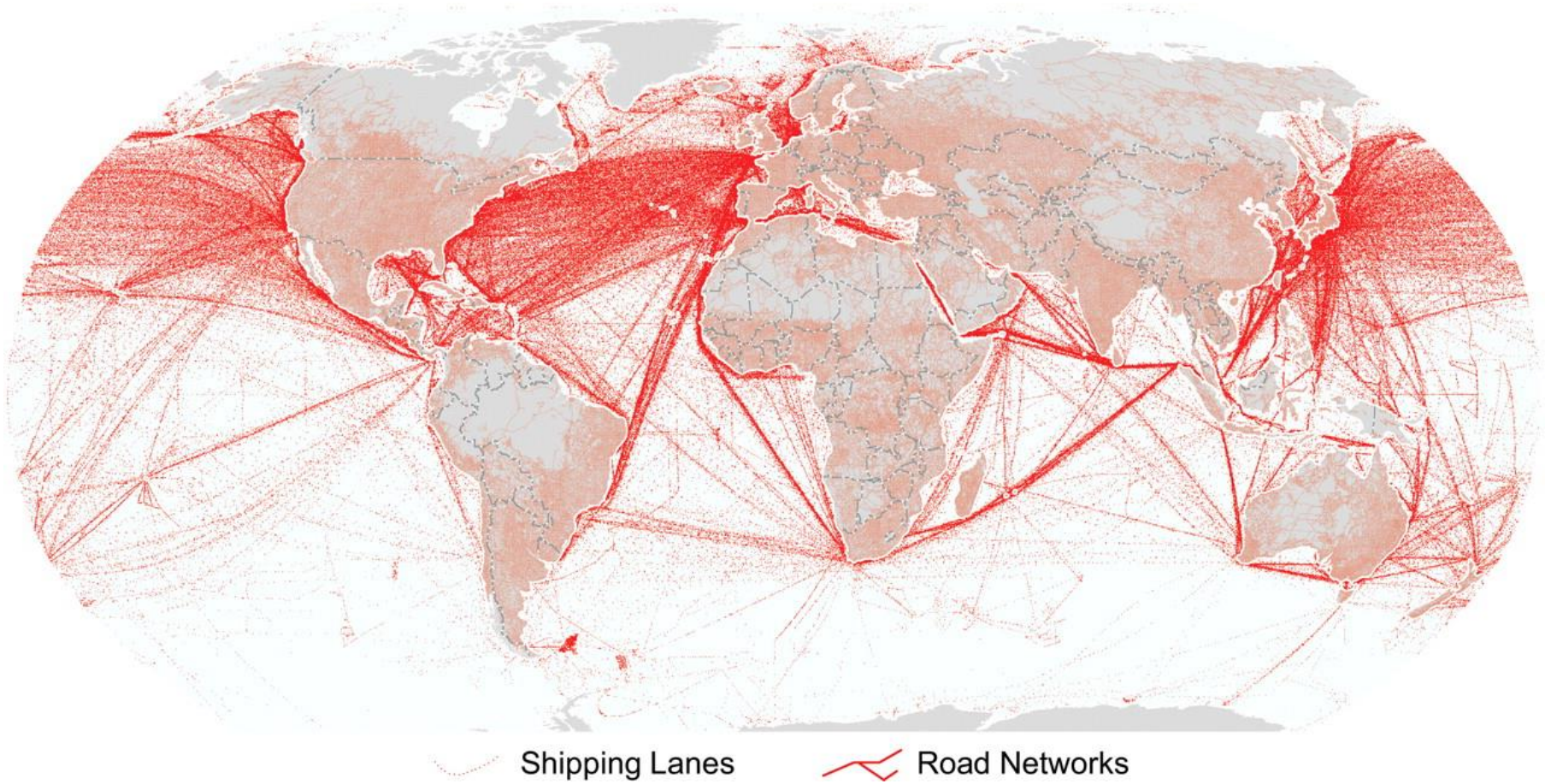
11







# Akdeniz-Asya-Avustralya Yolu



# Diđer Önemli Okyanus Yolları

Güney Afrika

Kuzey-Güney Amerika

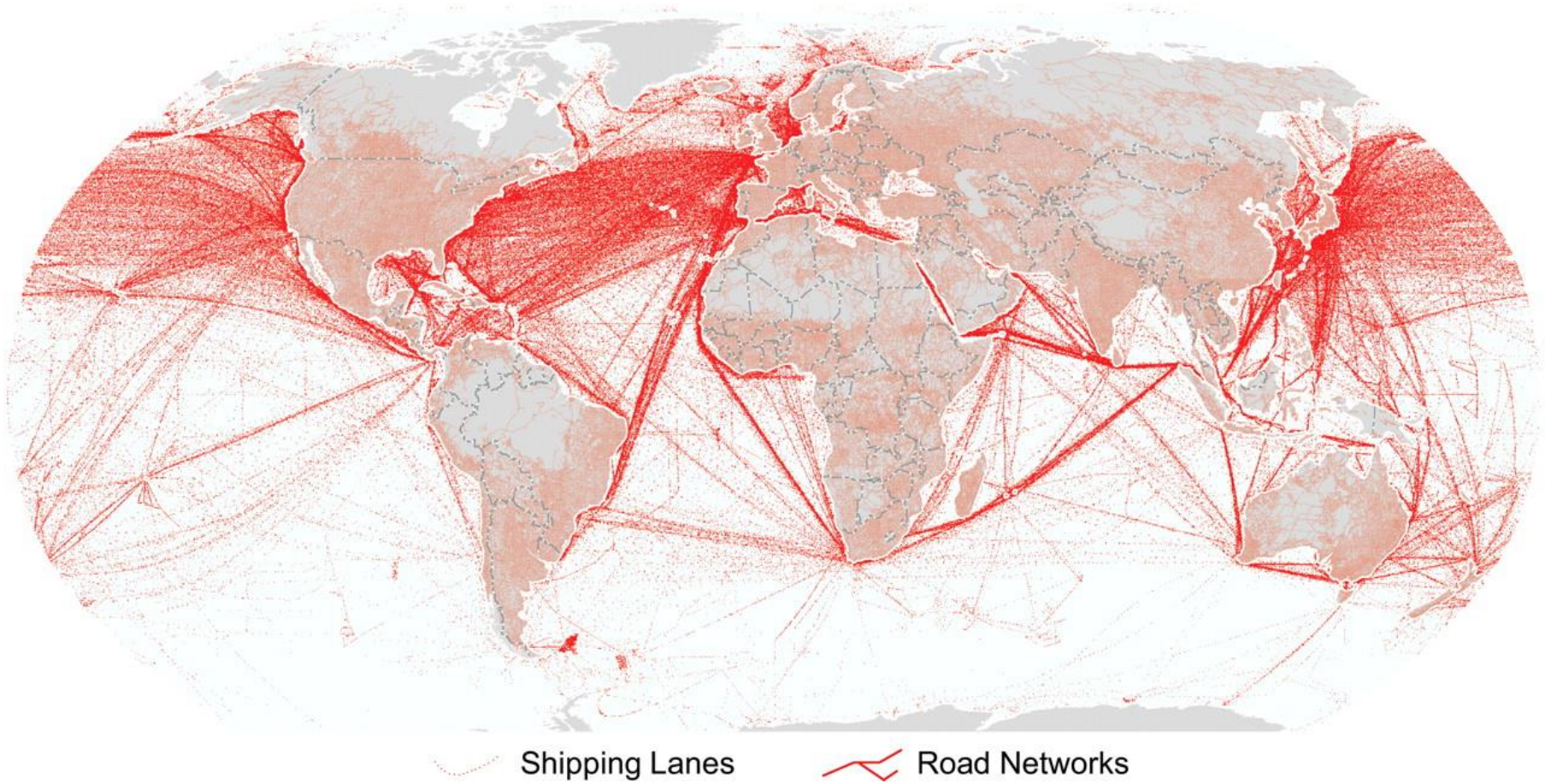
Amerika-Dođu Asya (Uzakdođu)



# Basra Körfezi



# Pasifik aşırı yollar



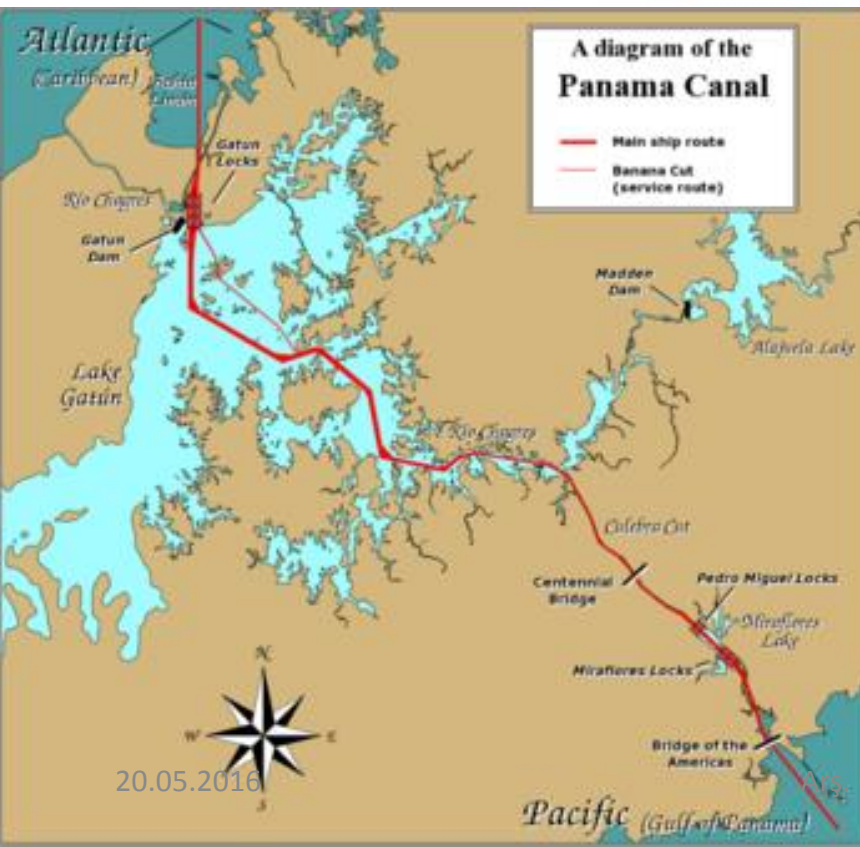
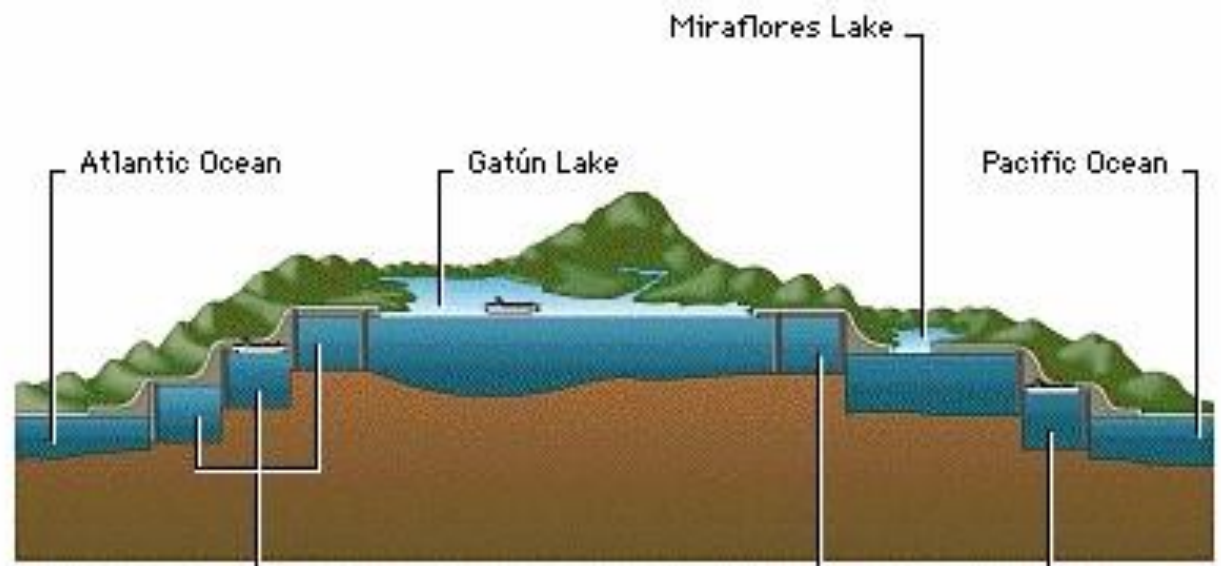


# Kanallar



Süveyş Kanalı 1869



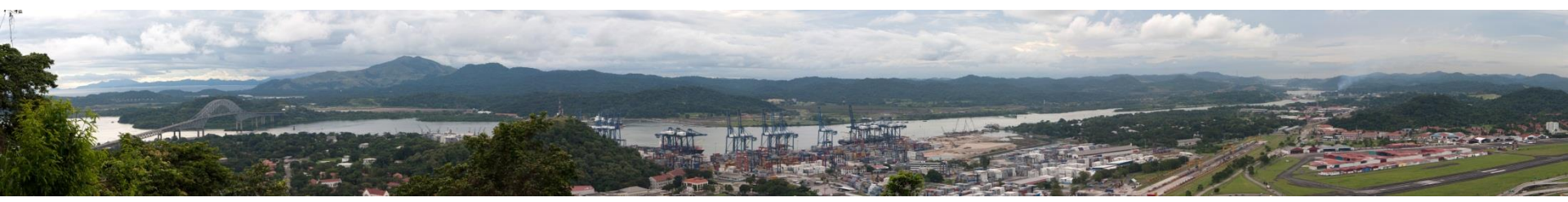


Pedro Miguel Locks

Gatún Locks

Miraflores Locks

Panama Kanalı 1914



20.05.2016

Arş. Gör. Onur ÇALIŞKAN

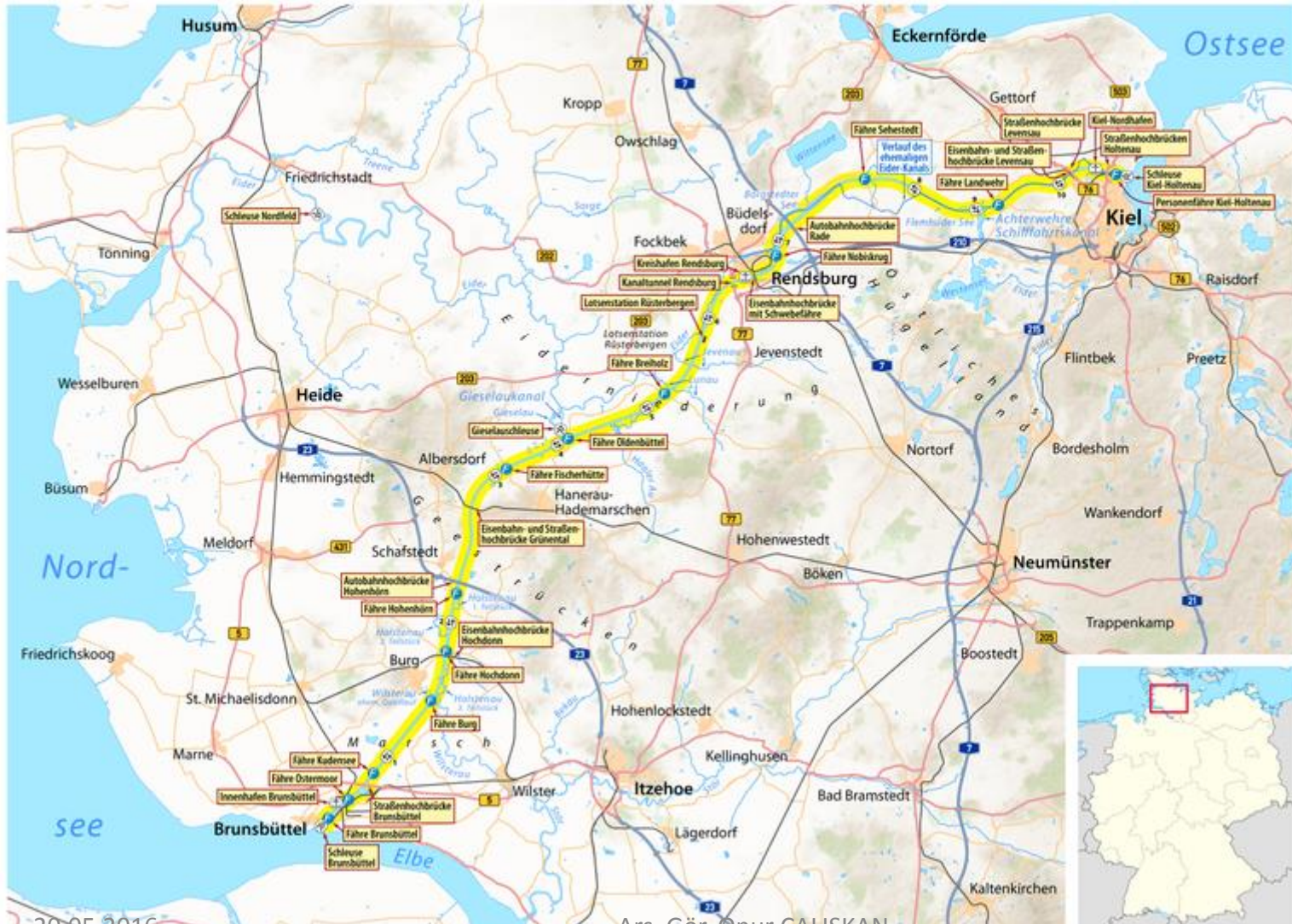
19



# Kiel Kanal

## Nord-Ostsee-Kanal

- Ausweichstellen:  
 Fähre  
 Hafen  
 Schleuse
- |                |                 |
|----------------|-----------------|
| 1 Kudensee     | 6 Schulp        |
| 2 Dückerwisch  | 7 Audorf Rade   |
| 3 Fischerhütte | 8 Königsförde   |
| 4 Oldenbüttel  | 9 Groß-Nordsee  |
| 5 Breiholz     | 10 Schwarzenbek |



1895

# Korint Kanalı





# Boğazlar



20.05.2016

Arş. Gör. Onur ÇALIŞKAN

22

# Hürmüz boğazı

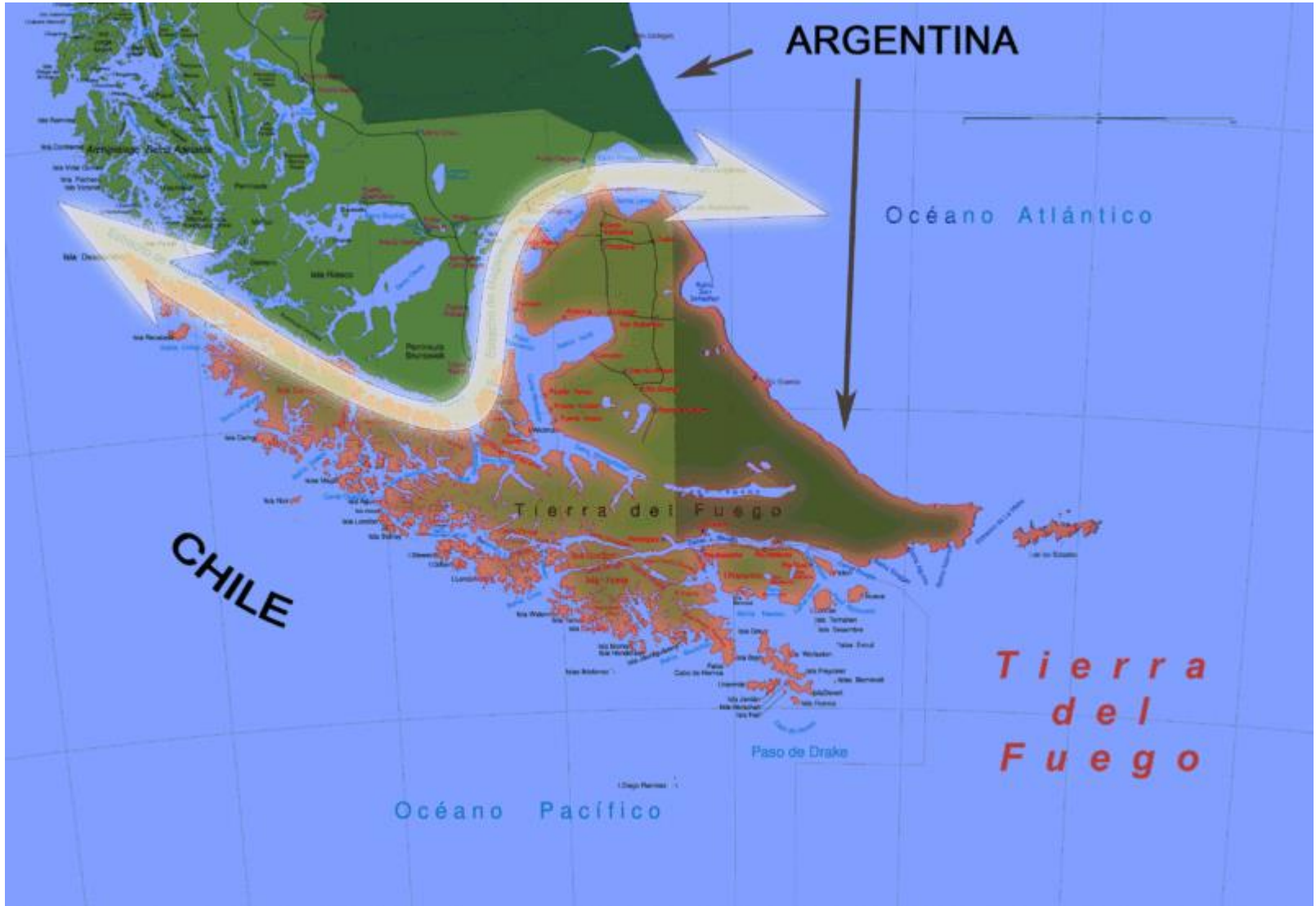




# Malakka Boğazı



# Macellan Boğazı





# Bering Boğazı



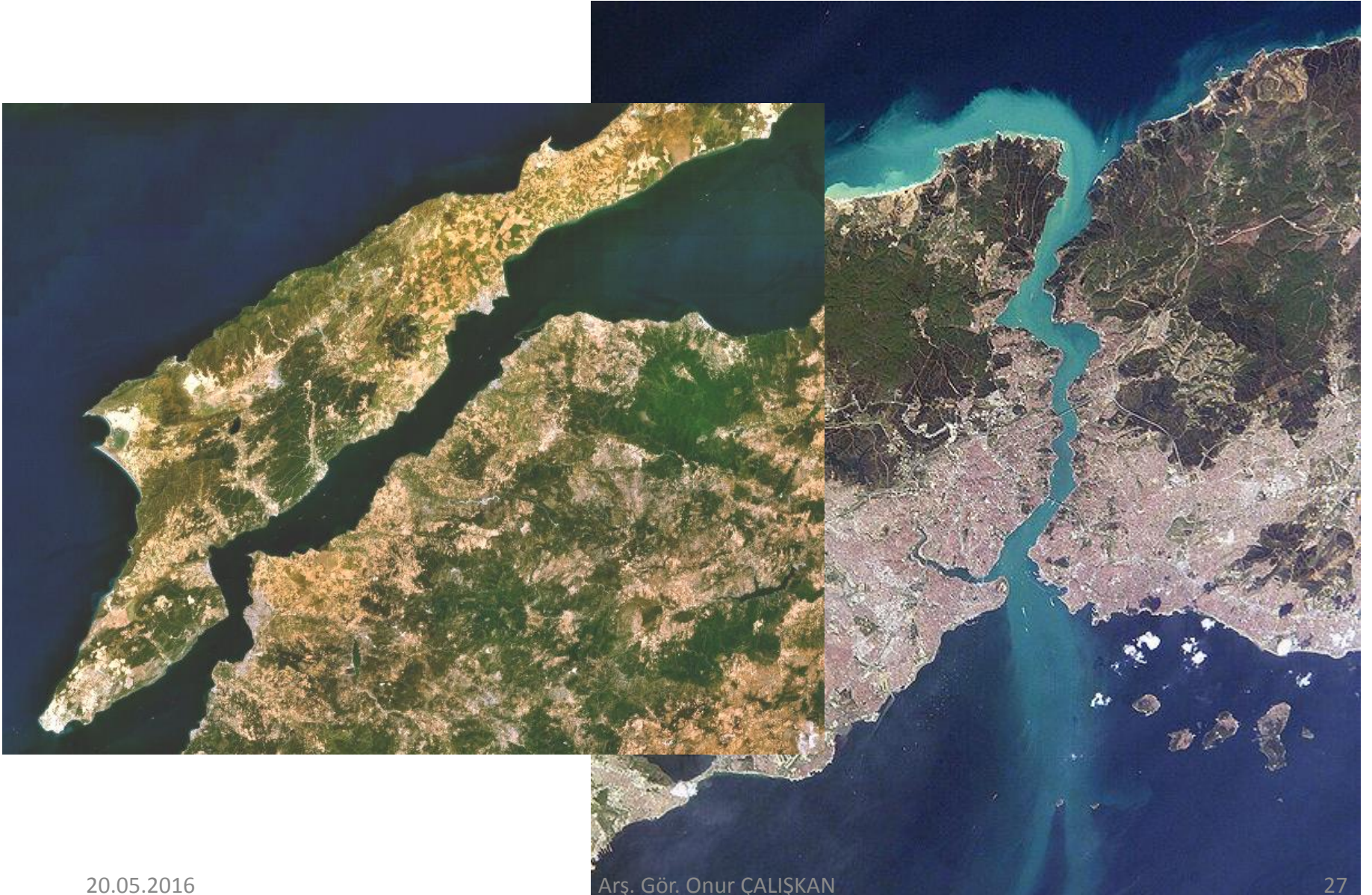
20 Oc 2016

Arş. Gör. Onur ÇALIŞKAN

26



# İstanbul ve Çanakkale Boğazları



20.05.2016

Arş. Gör. Onur ÇALIŞKAN

27



# Limanlar



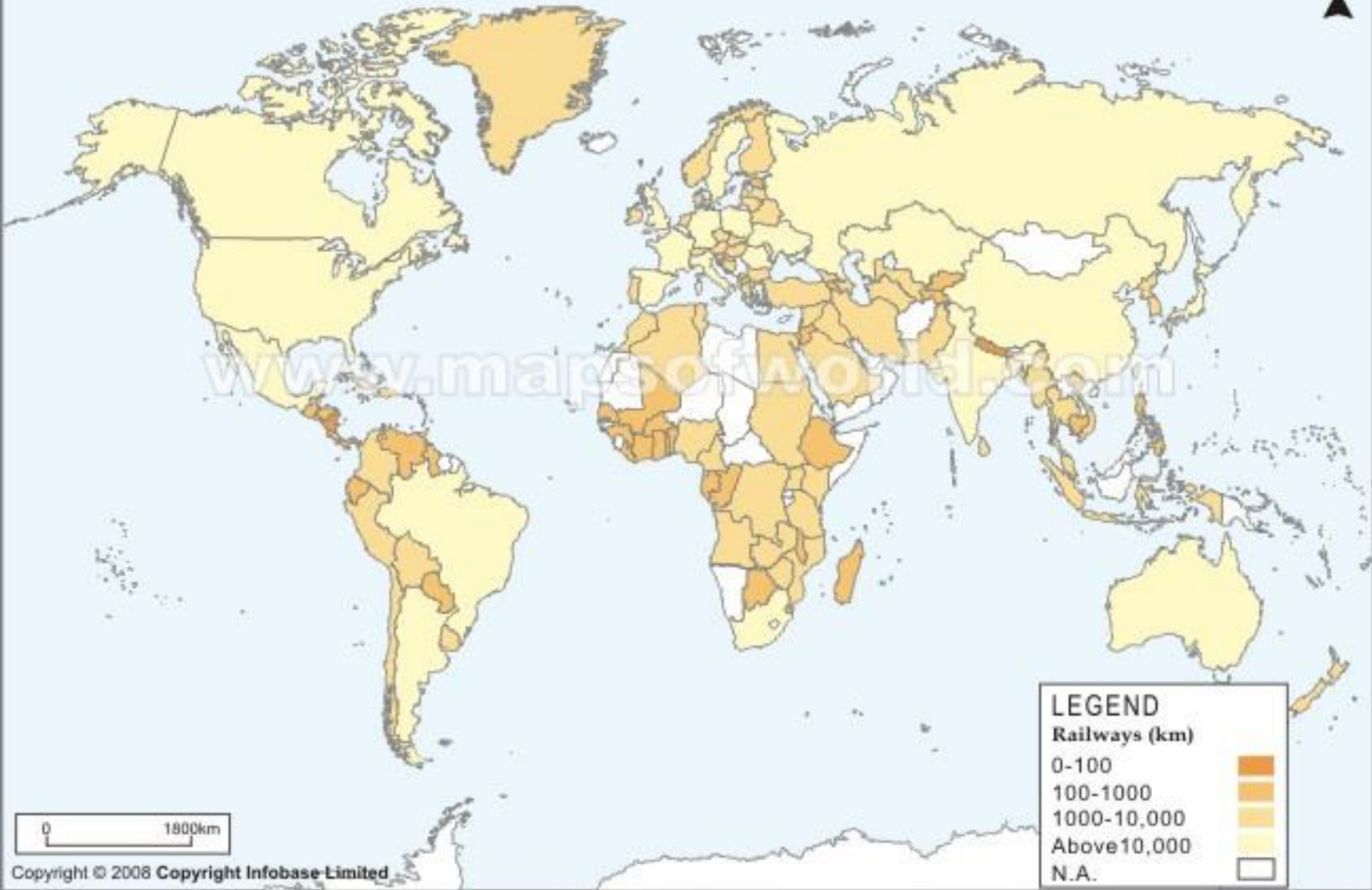


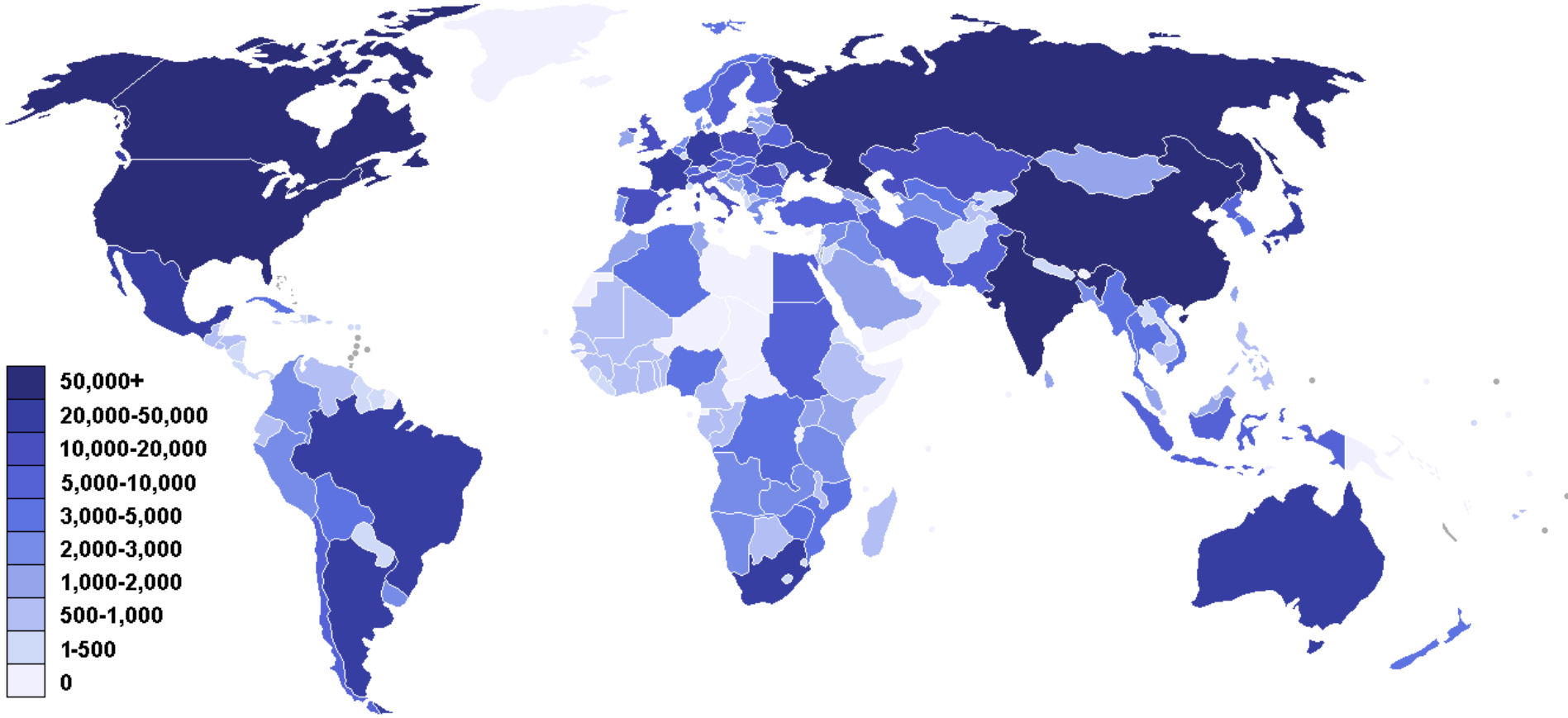
## 2. DEMİR YOLLARI





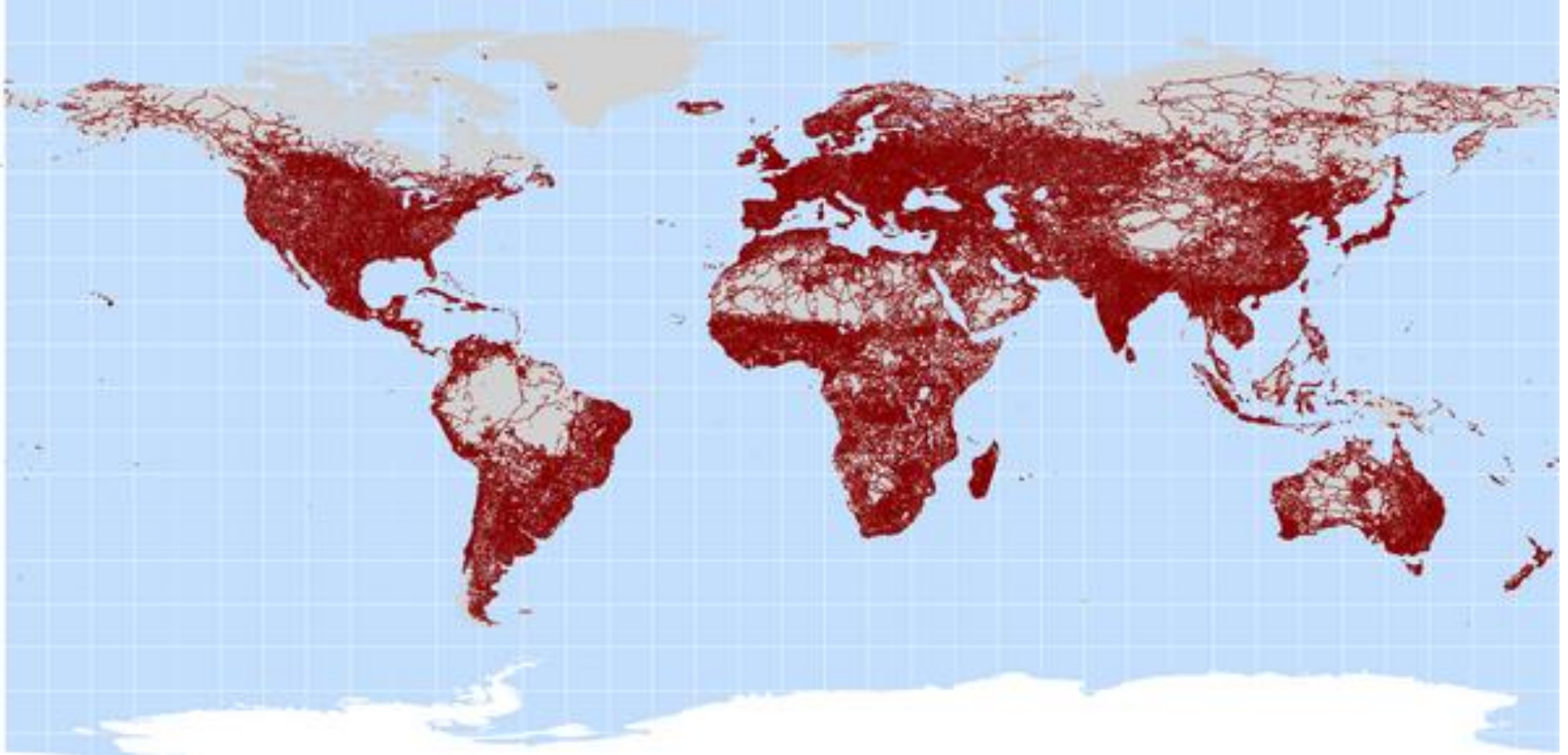
# WORLD:RAILWAYS







### 3. Kara yolları

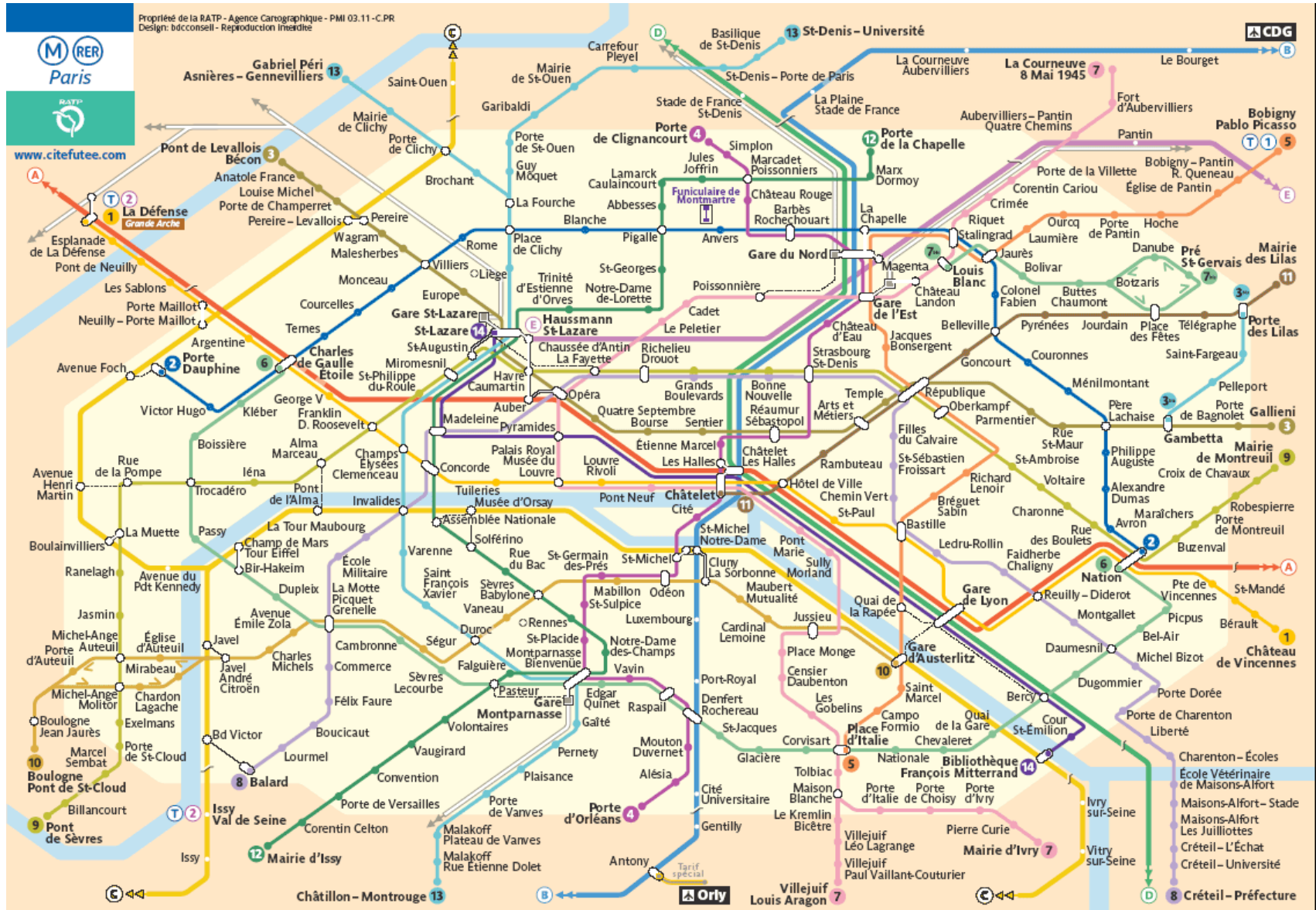


# Modern yollar





# Metrolar

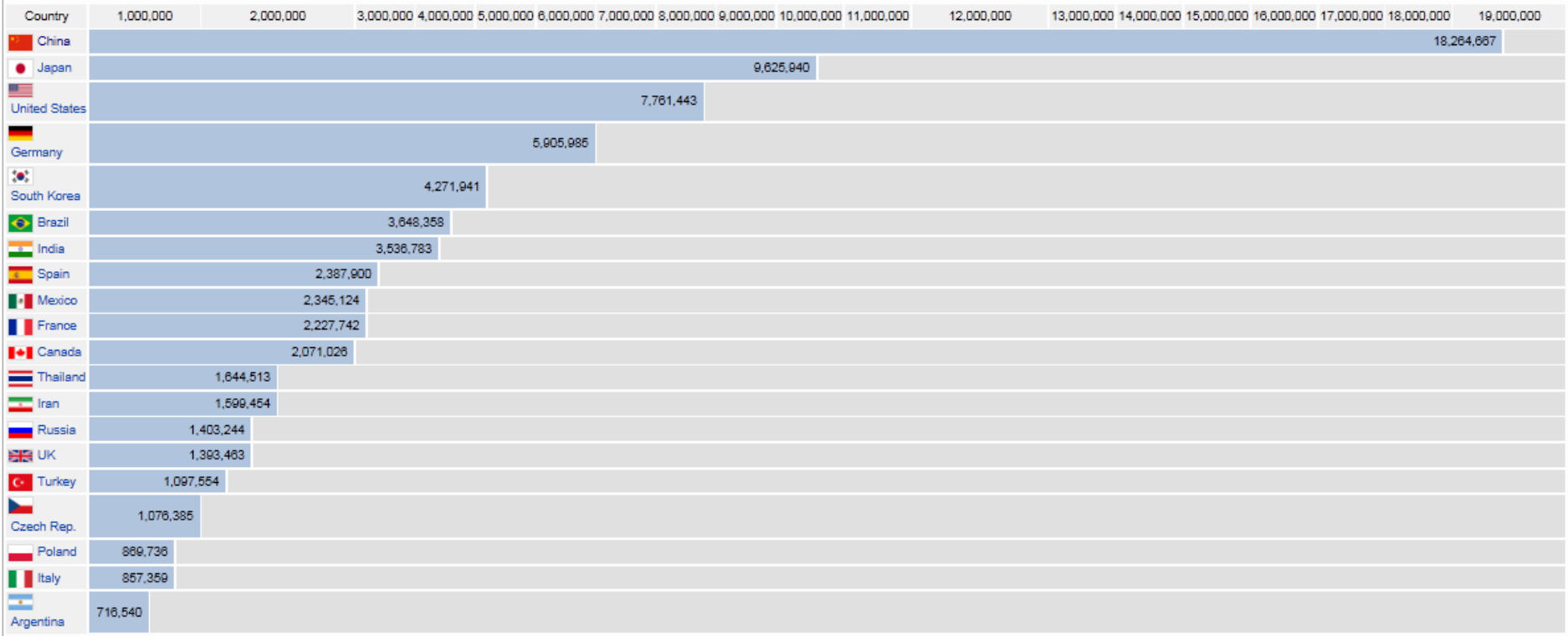






# Motorlu Taşıtlar

Motor vehicle production (units)

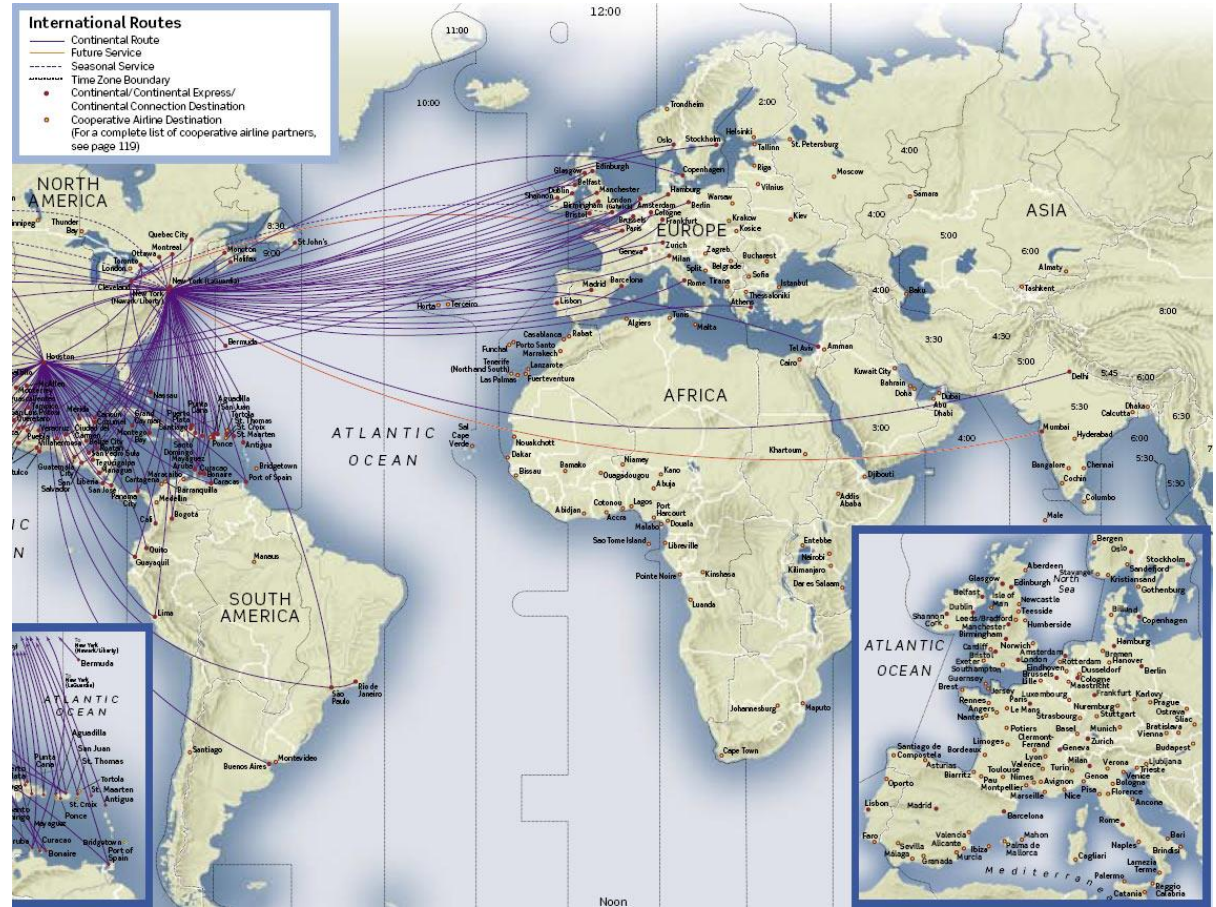


## Dünyada Karayolu Uzunluğunun En Fazla Olduğu Ülkeler

Sırası	Ülke	Karayolu uzunluğu km - 2000 Yılı
1	ABD	6.370.000
2	Hindistan	1.970.000
3	Çin	1.300.000
4	Kanada	884.280
5	Rusya Federasyonu	879.100

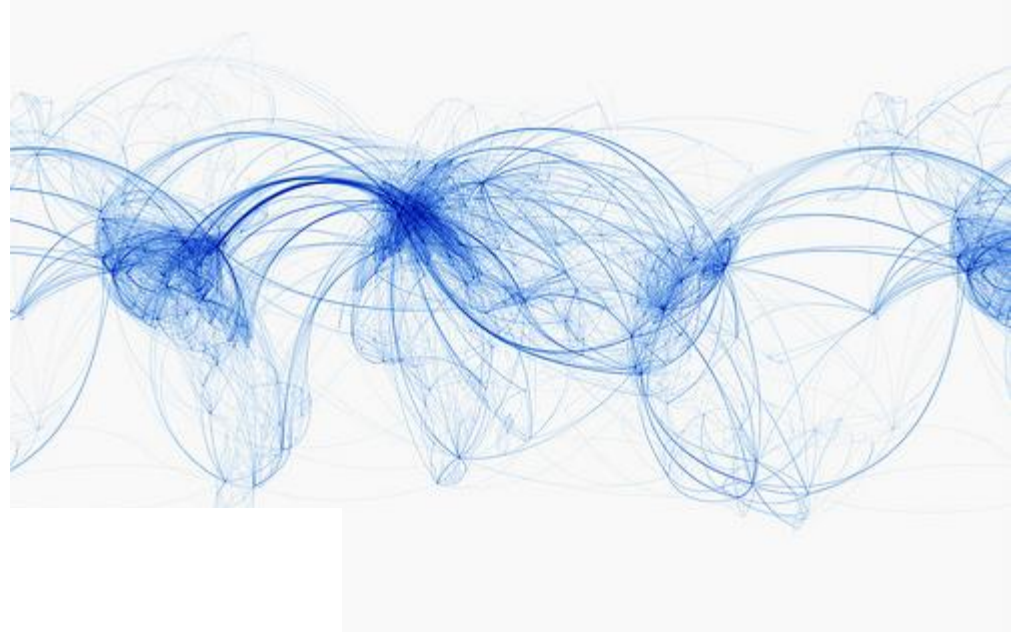


# 4. HAVA YOLLARI

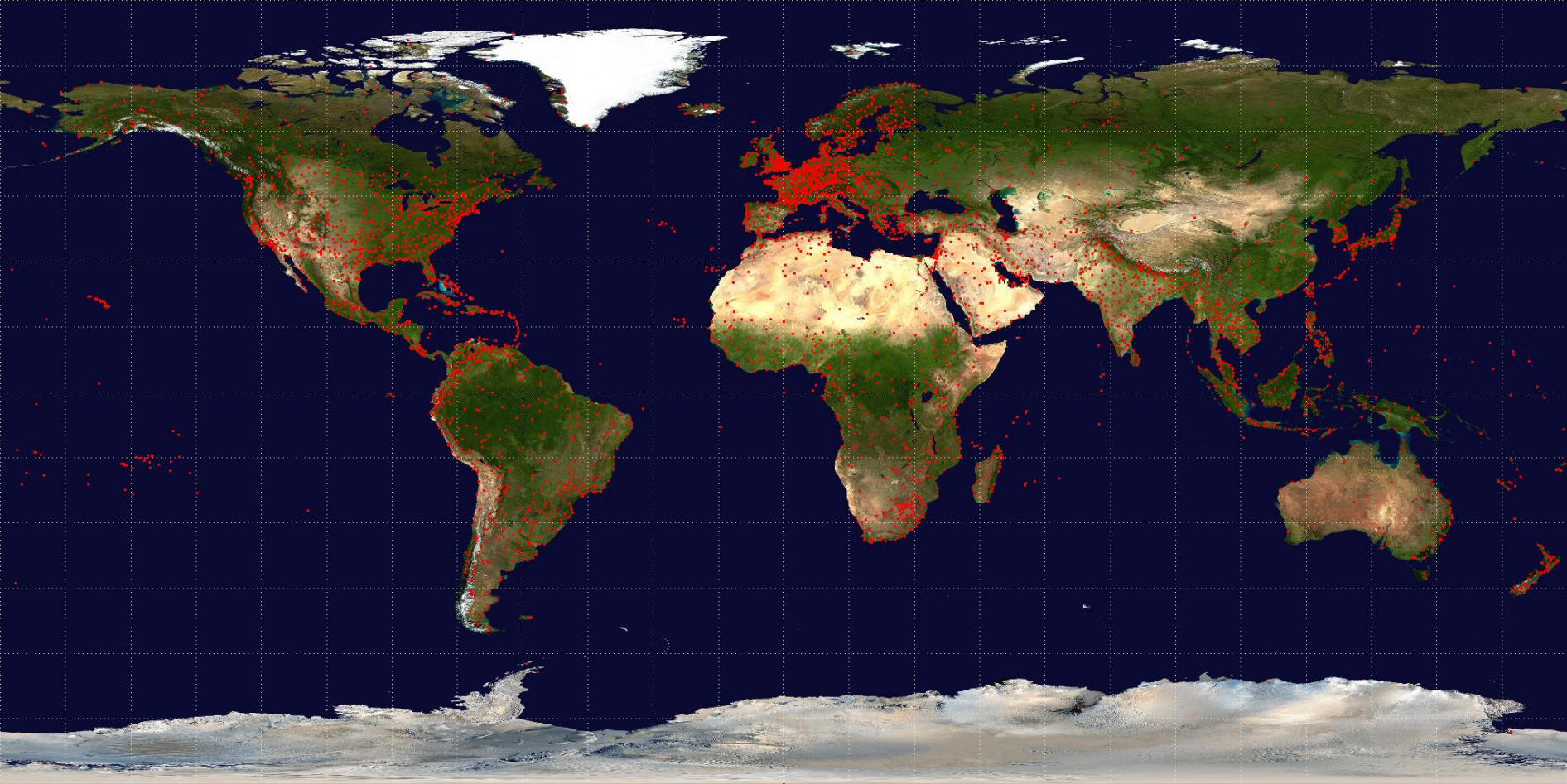




Copyright Brisbane Airport Corporation Pty Limited 2005







## Havaalanı dağılımı 2008

# 5. BORU HATLARI





Rank	Country	Total length of pipelines (km)	Structure	Date of Information
1	<a href="#">United States</a>	793,285	petroleum products 244,620 km; natural gas 548,665 km	2006
2	<a href="#">Russia</a>	246,982	condensate 122 km; gas 158,767 km; liquid petroleum gas 127 km; oil 74,285 km; refined products 13,658 km; water 23 km	2008
3	<a href="#">Canada</a>	98,544	crude and refined oil 23,564 km; liquid petroleum gas 74,980 km	2006
4	<a href="#">China</a>	58,082	gas 28,132 km; oil 20,204 km; refined products 9,746 km	2008
5	<a href="#">Ukraine</a>	42,052	gas 33,327 km; oil 4,514 km; refined products 4,211 km	2008
6	<a href="#">Mexico</a>	40,016	gas 22,705 km; liquid petroleum gas 1,875 km; oil 8,688 km; oil/gas/water 228 km; refined products 6,520 km	2006
7	<a href="#">Argentina</a>	37,370	gas 28,657 km; liquid petroleum gas 41 km; oil 5,607 km; refined products 3,052 km; unknown (oil/water) 13 km	2007
8	<a href="#">Iran</a>	36,509	condensate 7 km; condensate/gas 397 km; gas 19,161 km; liquid petroleum gas 570 km; oil 8,438 km; refined products 7,936 km	2007
9	<a href="#">Germany</a>	32,505	condensate 37 km; gas 25,094 km; oil 3,546 km; refined products 3,828 km	2007
10	<a href="#">Australia</a>	31,258	condensate/gas 469 km; gas 26,719 km; liquid petroleum gas 240 km; oil 3,720 km; oil/gas/water 110 km	2007

# Rusya-Avrupa







20.05.2016

Arş. Gör. Onur ÇALIŞKAN



**BOTAŞ GENEL MÜDÜRLÜĞÜ**  
**DOĞAL GAZ VE PETROL BORU HATLARI**

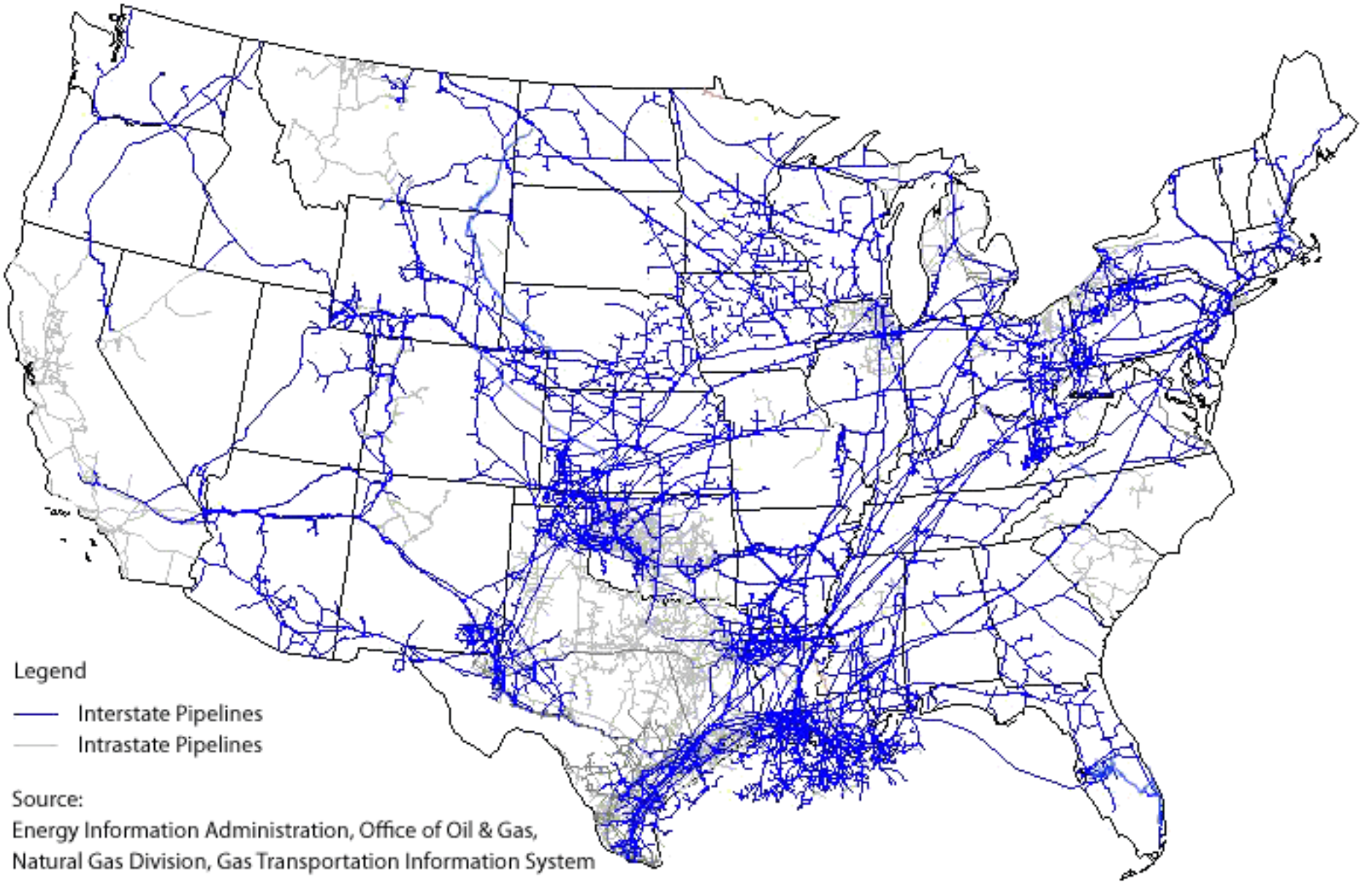


ARAZİ ETÜT VE KAMULAŞTIRMA D. BSK. LİĞİ

Harita Müh. Argon ARTAZ  
Tel: 0 312 287 31 17  
O.C.A.K. 2008

<p>MEVCUT DOĞAL GAZ BORU HATLARI</p> <p>—</p> <p>İNŞAAT AŞAMASINDAKİ DOĞAL GAZ BORU HATTI</p> <p>•••••</p>	<p>MEVCUT PETROL BORU HATLARI</p> <p>—</p> <p>PROJE MÜHENDİSLİK VEYA YAPIM İHALESİ AŞAMASINDAKİ BORU HATLARI</p> <p>—</p>	<p>CS.(KOMPRESÖR İSTASYONLARI)</p> <p>▲</p> <p>İNŞAAT AŞAMASINDAKİ KOMPRESÖR İST.</p> <p>▲</p> <p>İHALE AŞAMASINDAKİ KOMPRESÖR İST.</p> <p>▲</p>	<p>LNG</p> <p>●</p> <p>PETROL BORU HATTI POMPA İSTASYONU</p> <p>▼</p> <p>BORU ÇAPI</p> <p>( )</p>	<p>MEVCUT GAZ İTHALİ</p> <p>→</p> <p>KONTRATA BAĞLANMIŞ GAZ MİKTARI</p> <p>→</p> <p>PLANLANAN GAZ MİKTARI</p> <p>→</p>
------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------







● Oil Field

| Oil Pipeline

● Gas Field

| Gas Pipeline

20.05.2016 Proposed Oil Pipeline

Arş. Gör. Onur ÇALIŞKAN

Proposed Gas Pipeline



