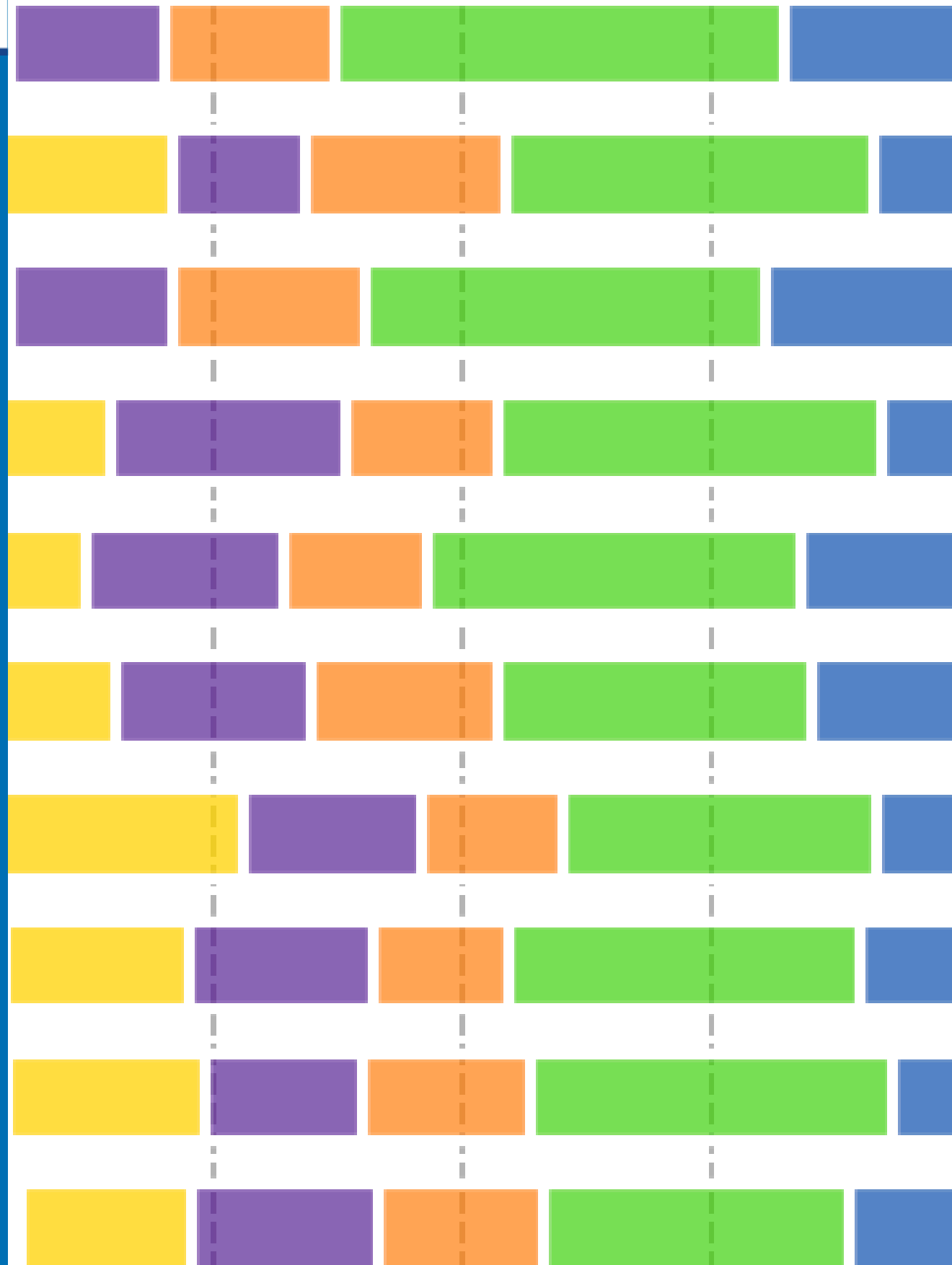# The Digital Economy and Society Index

Balázs ZÖRÉNYI

**European Commission
DG Connect**

The Digital Economy and Society Index (DESI)

1. Connectivity

1 Connectivity

1a Fixed Broadband	1b Mobile Broadband	1c Speed	1d Affordability
1a1 Fixed BB Coverage / 1a2 Fixed BB Take-up	1b1 Mobile BB Take-up / 1b2 Spectrum	1c1 NGA Coverage / 1c2 Subscriptions to Fast BB	1d1 Fixed BB Price

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2. Human Capital

2 Human Capital

| 2a | 2b |
| Basic Skills and Usage | Advanced skills and Development |

| 2a1 | 2a2 | 2b1 | 2b2 |
| Internet Users | Basic Digital Skills | ICT Specialists | STEM Graduates |

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3. Use of Internet

4. Integration of Digital Technology

5 Digital Public Services

5 Digital Public Services

5a
eGovernment

| 5a1 eGovernment Users | 5a2 Pre-filled Forms | 5a3 Online Service Completion | 5a4 Open Data |

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DESI 2016 - Ranking of EU countries
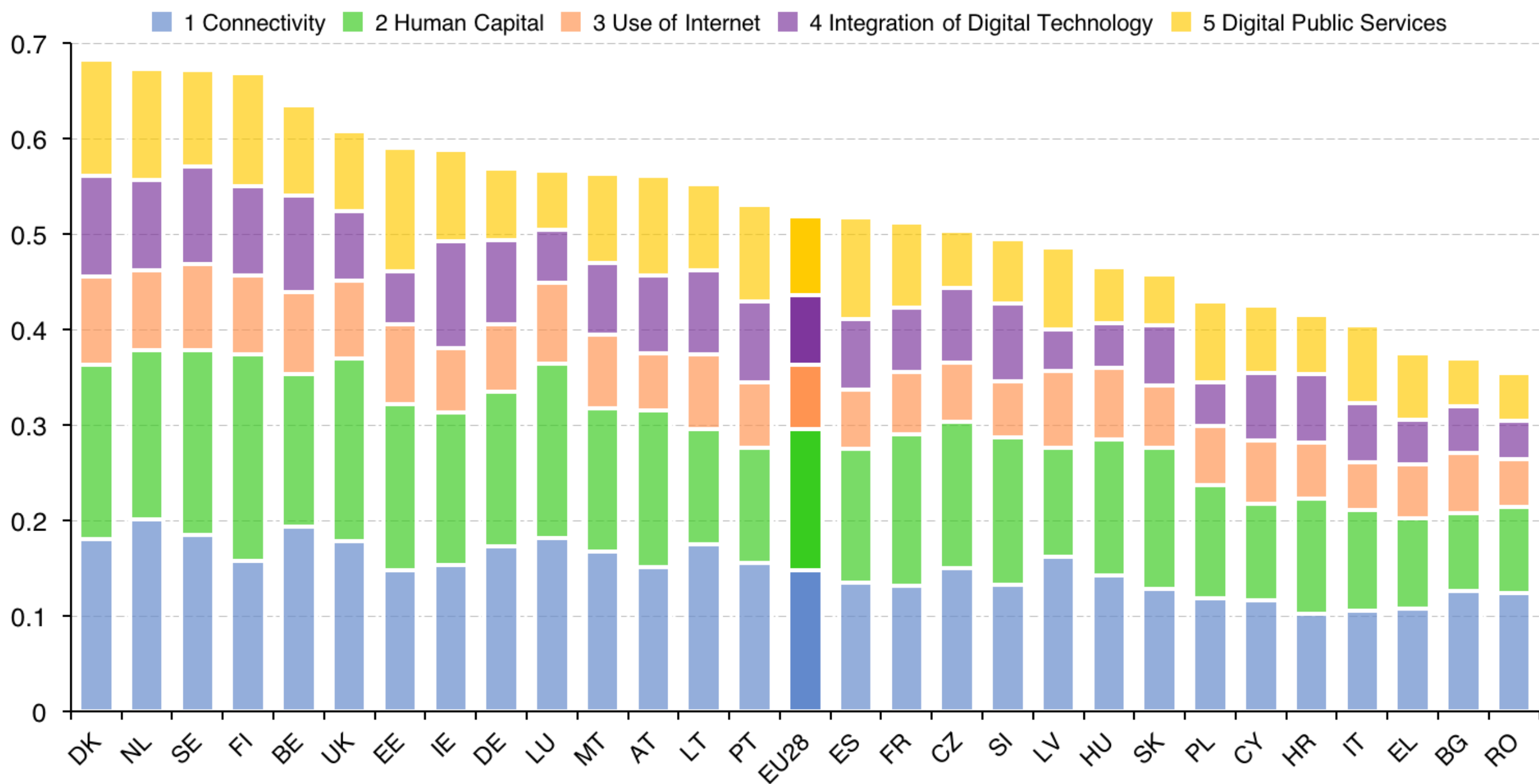
Progress over time and clustering
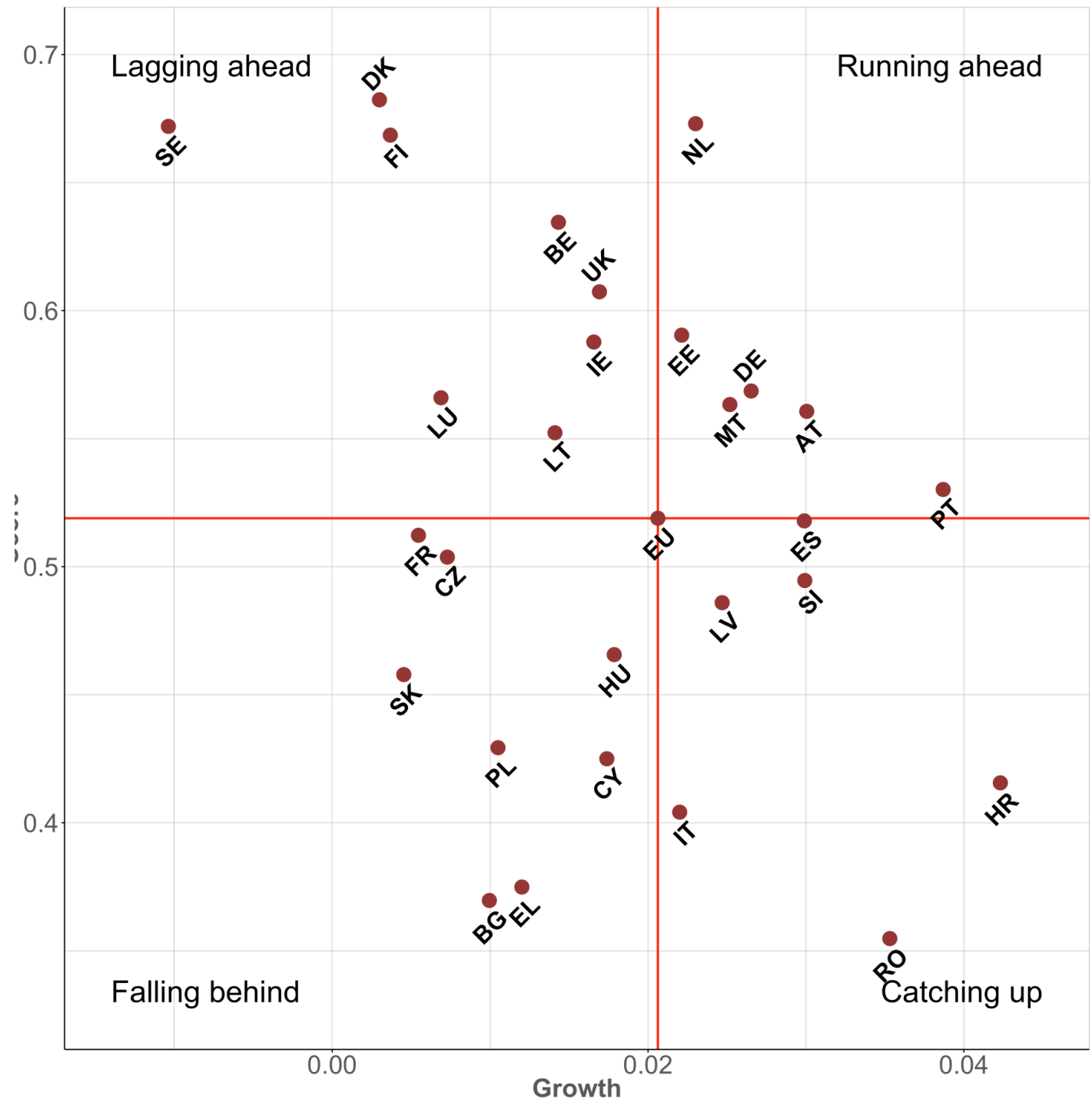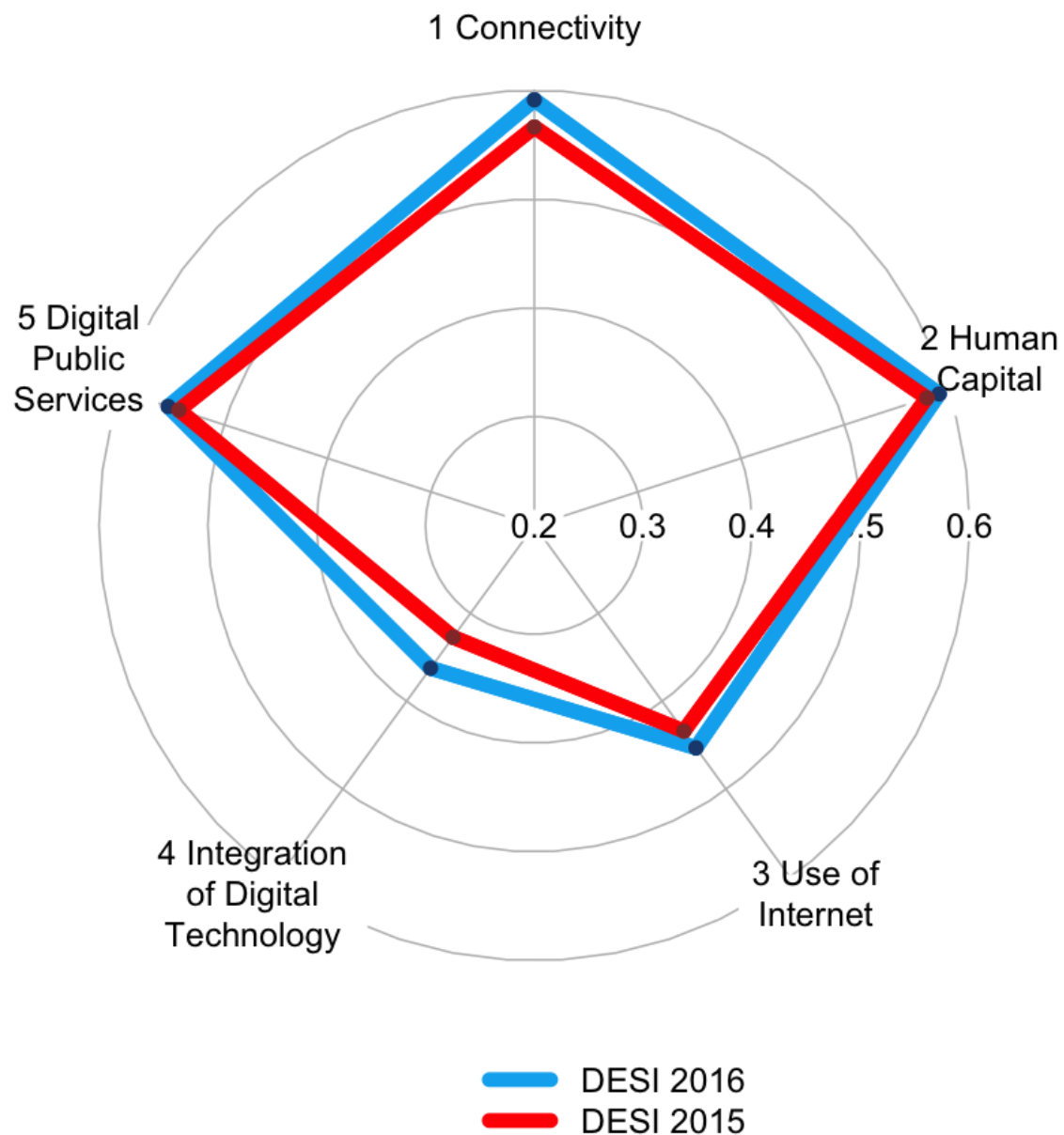
I-DESI: adding an international dimension

- Digital Economy is a global phenomenon
  - Review the digital performance of the EU on a global level
    - Leverage the potential of the digital economy in Europe
    - Identify room for improvement

- The I-DESI
  - Compares the EU to 15 other countries:
    - Australia, Brazil, Canada, China, Iceland, Israel, Japan, Korea (Rep.), Mexico, New Zealand, Norway, Russia, Switzerland, Turkey and the United States.
  - Follows the same structure as the existing DESI
  - Differs significantly with respect to the indicators used
    - Differences in data collection and definitions when moving outside of Europe
  - Developed using a tiered approach for 2014 and 2015

Tier-1	*EU28 countries*	Japan	Korea (Rep.)	United States	Australia	Canada	Iceland	Norway	Switzerland
Tier-2	*Tier-1 countries*	Brazil	China	New Zealand	Mexico	Israel	Russia	Turkey	

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Structure of the I-DESI

Main dimensions	Sub-dimensions	Indicators	Tier-1 2015	Tier-1 2014	Tier-2 2015	Tier-2 2014
1. Connectivity	1.1. Fixed Broadband	1.1.1. Fixed BB Coverage	●	●		
		1.1.2. Fixed BB Subscriptions	●	●	●	●
	1.2. Mobile Broadband	1.2.1. Mobile BB Subscriptions	●	●	●	●
		1.2.2. 3G Coverage	●	●	●	
	1.3. Speed	1.3.1. Average Connection Speed	●	●	●	●
		1.3.2. Fast BB Subscriptions	●	●	●	●
	1.4. Affordability	1.4.1. Fixed BB Subscription charge	●	●	●	●
2. Human Capital	2.1. Basic Skills and Usage	2.1.1. Daily Internet Users	●	●	●	●
		2.1.2. Regular Internet Users	●	●	●	●
	2.2. Advanced skills and development	2.2.1. ICT specialists	●	●		
		2.2.2. STEM graduates	●	●	●	●
3. Use of Internet	3.1. Content	3.1.1. Reading News Online	●	●		
		3.1.2. Music, Videos and Games	●	●	●	●
		3.1.3. Video on Demand	●		●	
	3.2. Communication	3.2.1. Social Networks	●	●	●	●
	3.3. Transactions	3.3.1. Online Banking	●	●	●	●
		3.3.2. Purchase online products	●	●	●	●
4. Integration of Digital Technology	4.1. Business digitization	4.1.1. Electronic Information Sharing	●			
		4.1.2. RFID	●			
		4.1.3. Social Media	●			
		4.1.4. Online Presence	●	●	●	
		4.1.5. Cloud Services	●			
	4.2. eCommerce	4.2.1. SMEs Selling Online	●	●	●	●
		4.2.2. eCommerce Turnover	●	●		
5. Digital Public Services	5.1. eGovernment	5.1.1. eGovernment Users	●	●	●	●
		5.1.2. Transactional services	●	●	●	●
		5.1.3. Connected Services	●	●	●	●
		5.1.4. Open Data	●	●	●	●

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I-DESI Tier-1 overall Ranking

Country	Value
SE	0.635
DK	0.635
FI	0.631
KR	0.630
IS	0.628
US	0.627
	0.625
	0.621
NO	0.609
	0.583
JP	0.574
CH	0.569
	0.567
CA	0.565
	0.550
	0.547
AU	0.547
	0.537
	0.535
	0.533
	0.523
EU28	0.517
	0.511
	0.508
	0.500
	0.499
	0.487
	0.481
	0.467
	0.457
	0.447
	0.446
	0.444
	0.436
	0.421
	0.411
	0.408

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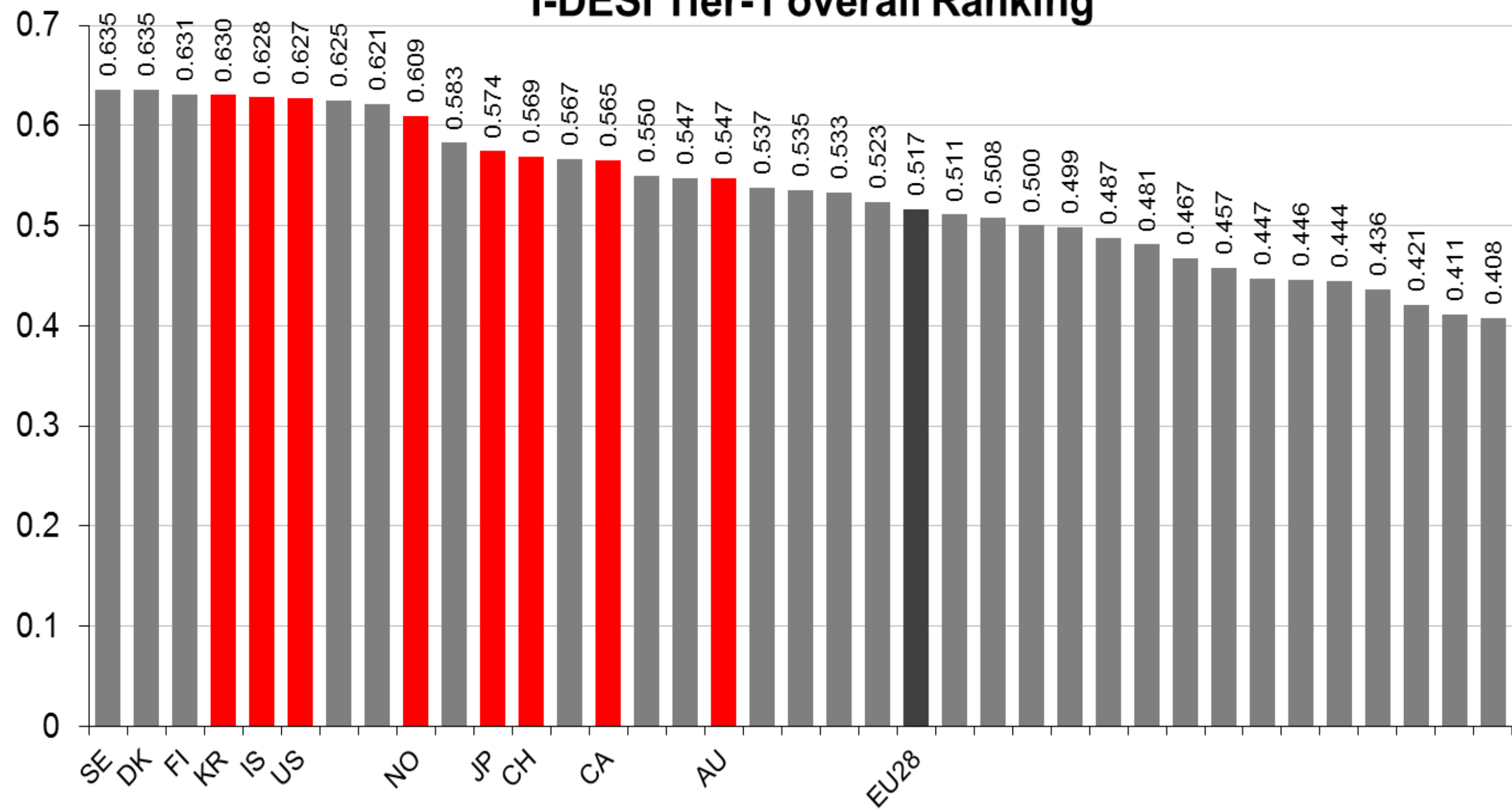
I-DESI Tier-2 overall Ranking

Country	Value
IS	0.665
	0.663
	0.659
	0.648
	0.641
KR	0.637
	0.635
NO	0.631
NZ	0.626
JP	0.618
US	0.615
CH	0.612
	0.610
AU	0.604
CA	0.590
	0.572
	0.563
	0.562
	0.560
	0.556
	0.553
	0.552
	0.548
	0.541
EU28	0.538
	0.524
IL	0.522
	0.515
	0.513
	0.506
	0.490
RU	0.472
	0.471
	0.470
	0.468
	0.451
CN	0.450
	0.448
	0.443
	0.431
	0.418
TR	0.408
BR	0.385
MX	0.340

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