

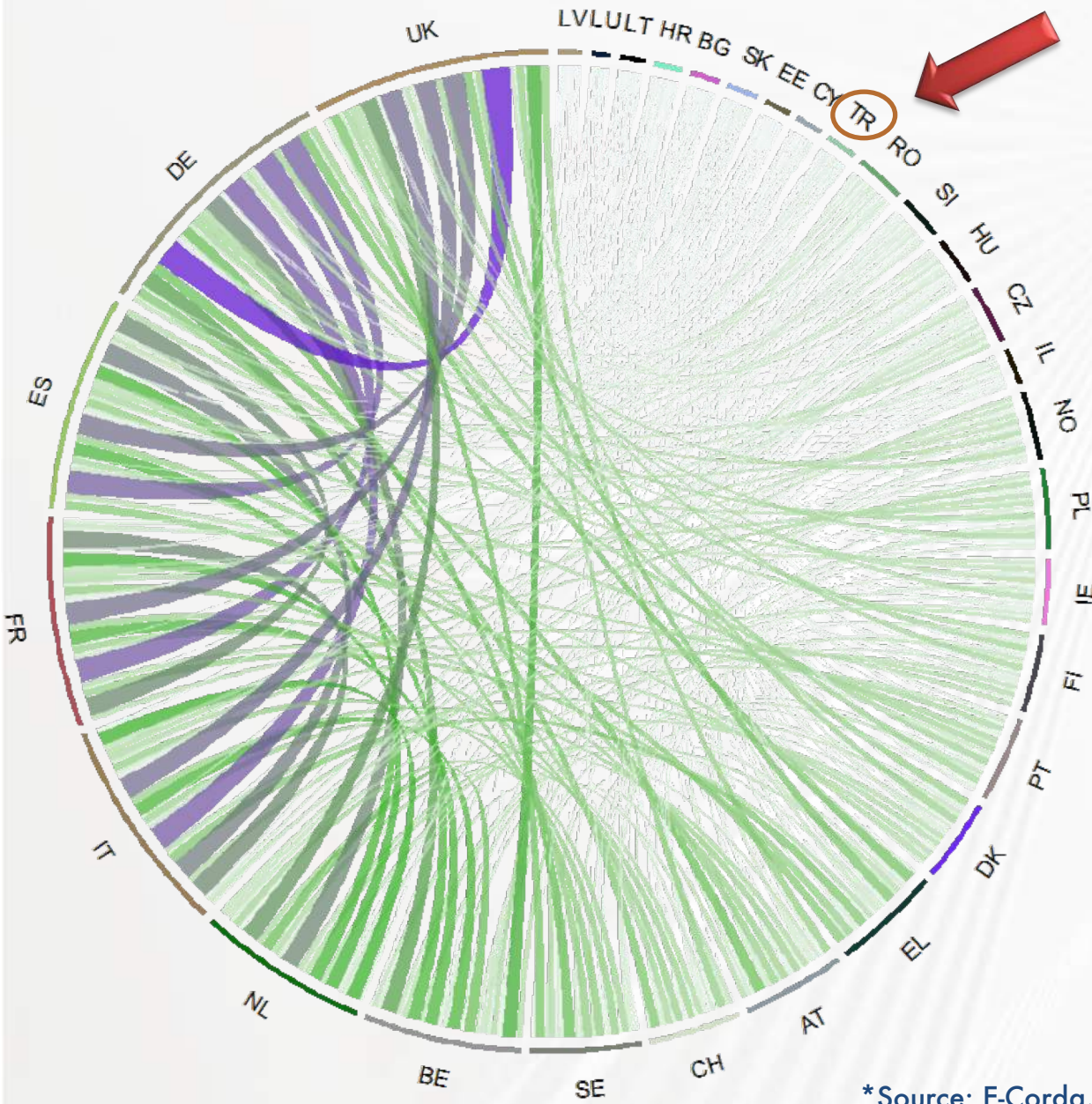


# ***Turkey's involvement in Joint Undertakings***

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# Network dominance existent in H2020

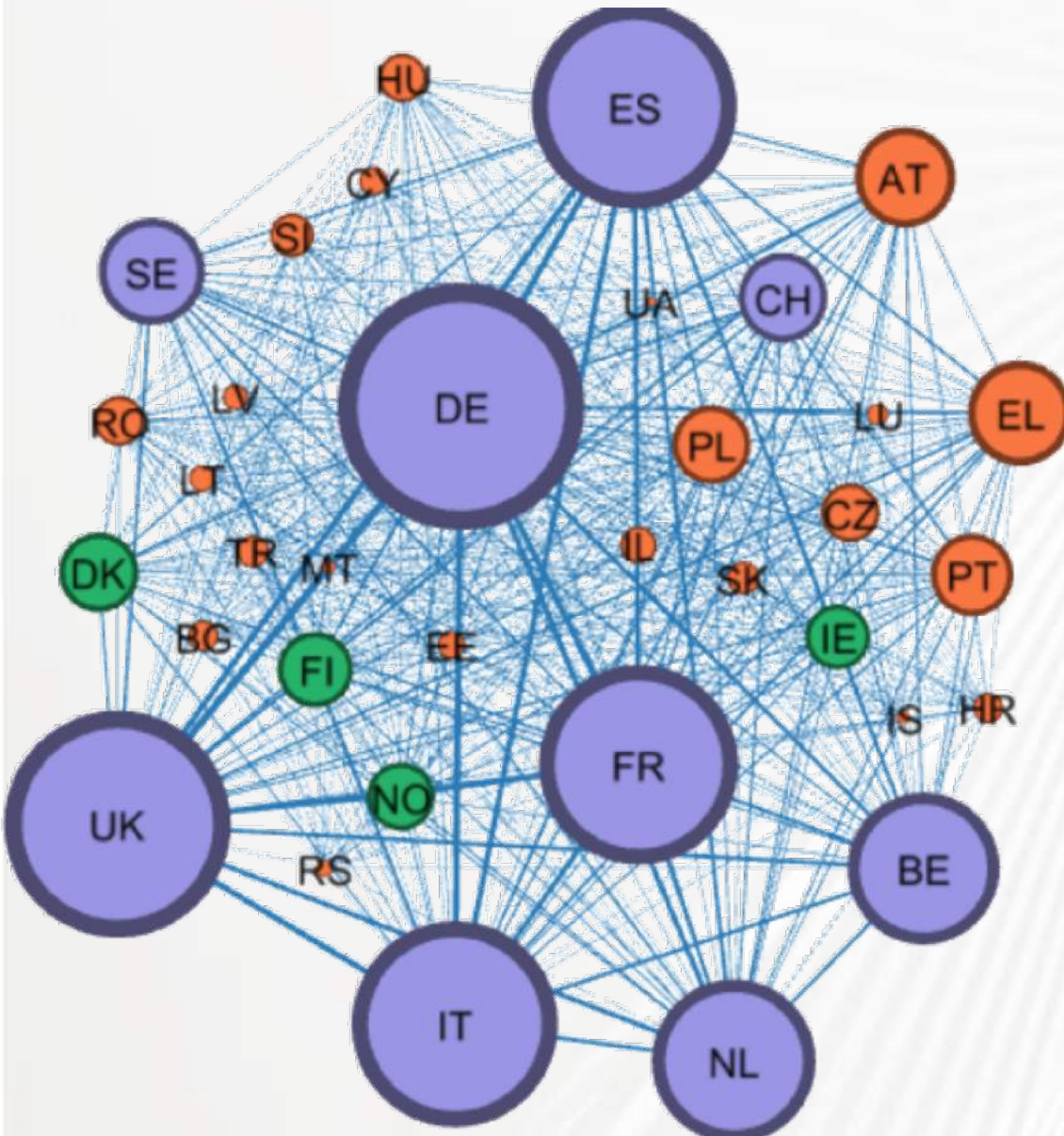


A dominant first tier of relations is existent

- UK
- 
- Germany
- 
- Spain
- 
- France
- 
- Italy
- 
- Netherlands
- 
- Belgium
- 
- Sweden

\*Source: E-Corda, based on H2020 2014-2017 calls

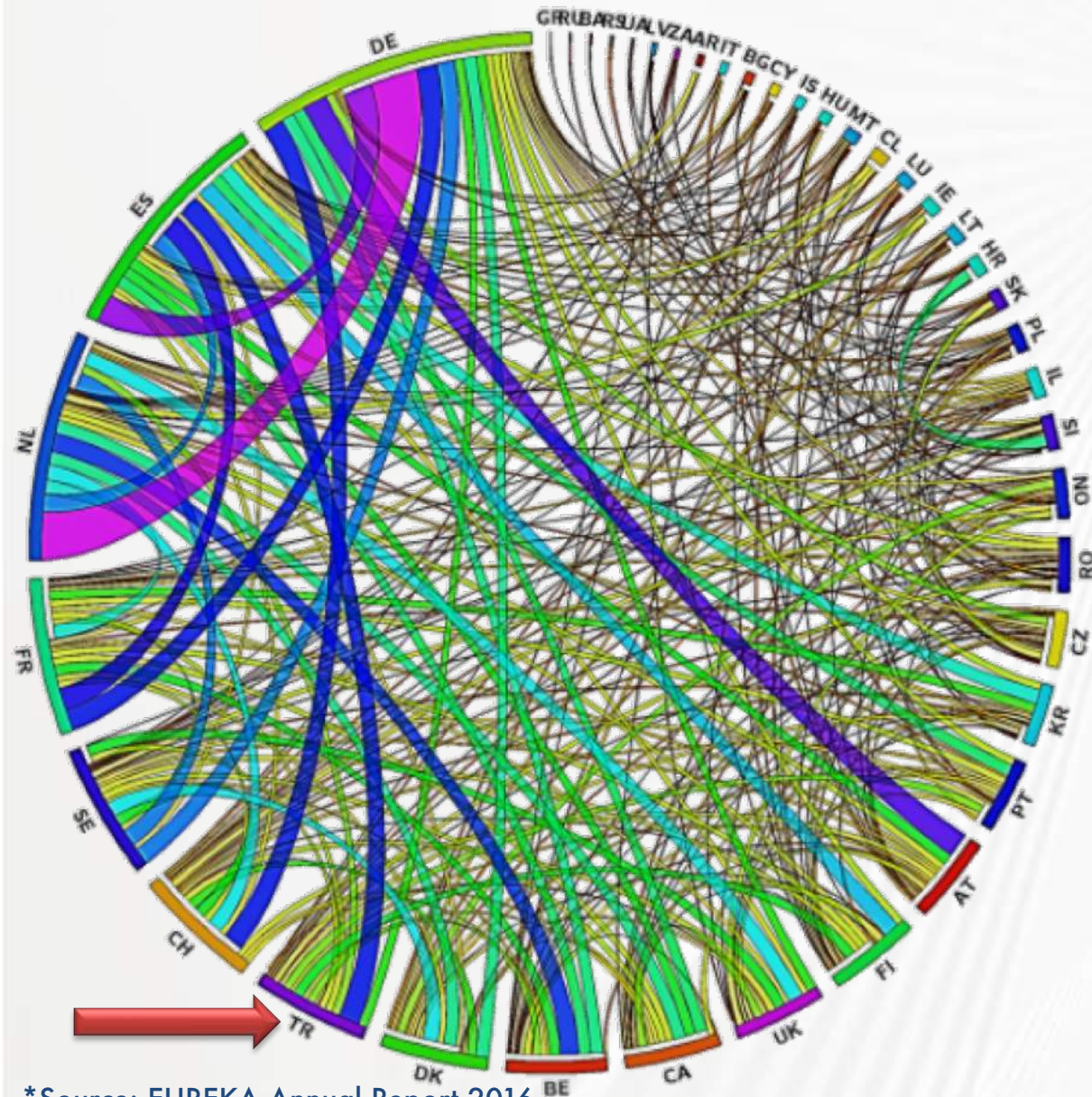
# Network dominance existent in H2020



- Node size illustrates the # of projects
- Line width and closeness of nodes illustrate the intensity of collaboration
- Colors represent partnership patterns
  - Dominates the network
  - Key actors proposing expertise driven partnership
  - Actors approached without specific partnership logic (catch-all)



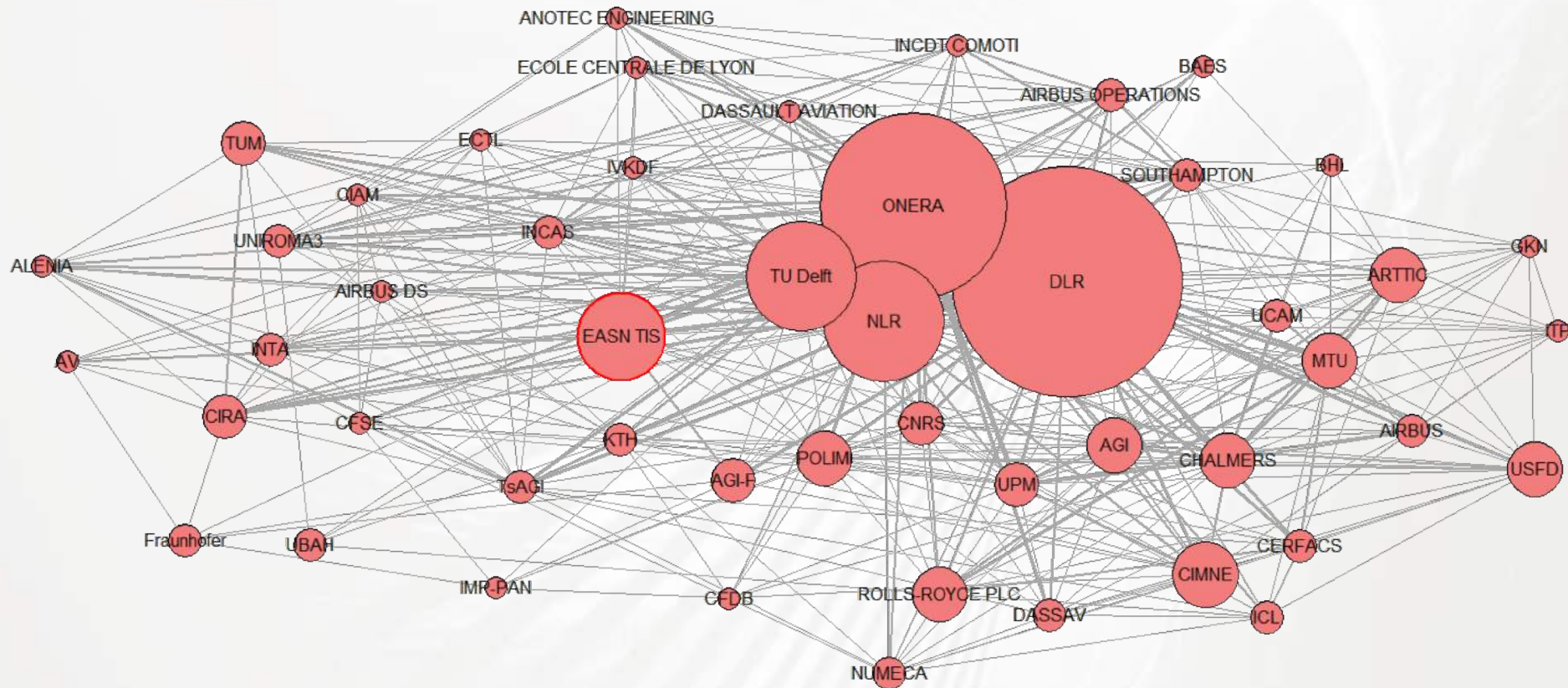
# Turkey is not in periphery in EUREKA



Once there is more room for NISs

TR could move towards the center of network

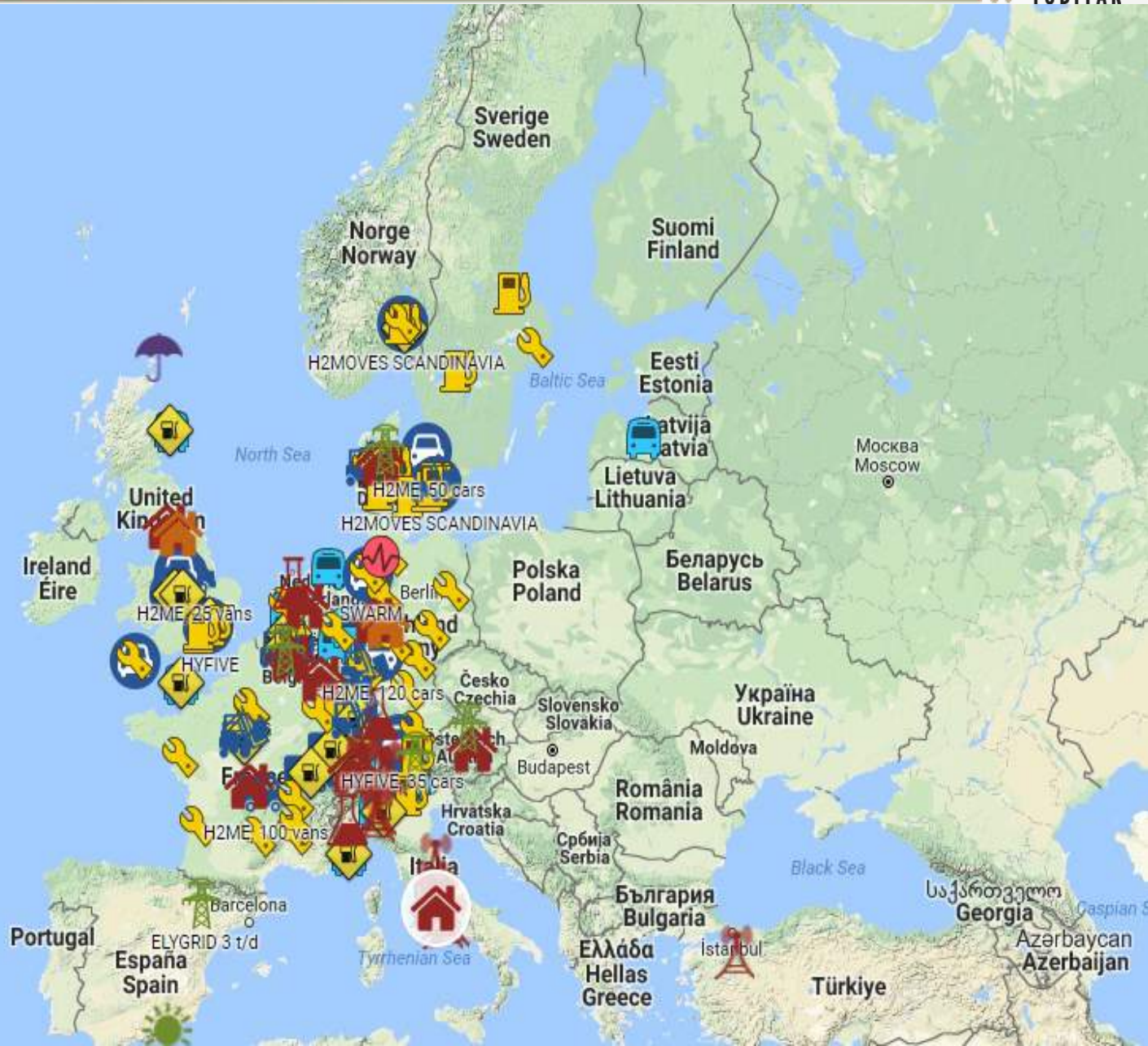
# Aviation Calls Network Analysis (2014-2017)



- DLR, ONERA, NLR, TU Delft network dominate the calls
- Only one significant network dominates the competition
- DLR, ONERA, NLR: members of EREA (Association of European Research Establishments in Aeronautics)
- We approached to the EREA for membership but only Member States are accepted**
- No infodays or possibilities for accession to networks, no strategy for openness
- We can not exploit our excellence potential



# FCH JU-Funded Demonstration Projects in Transport and Energy



# JTIs are dominated by rather closed networks



	Fund	Funded Projects	Applied Projects
Turkey	1 M €	9	53
Total	1,8 B €	477	1.611
TR's Share	<b>0,06%</b>	1,89%	3,29%
TR Share Non-JTI Calls	<b>0,45%</b>	2,22%	2,60%

**7% of H2020 Budget is allocated to JTIs through calls**

- **JTI calls are dedicated to niche sectors**
- Certain companies dominate pre-call processes
- **Consortia are close to newcomers**
- Dominant actors are: DLR, NLR, Fraunhofer, VTT, SINTEF, INDRA
- **Transparency problem: call text formulation, evaluation processes, share of the call results**

# 5G Calls Network Analysis (2014-2017)

- 5G Network demands high level of expertise and excellence
  - A dominant first tier is existent: 5G Association members
  - A second tier is also existent: acting as a bridge to consortia
  - **5G network is also excellence based but open to promising newcomers**
- 
- Active participation of this network to events
  - Increased # of TR members in Networld2020
  - NETAS became member to 5G Association
  - Former President of 5G PPP (Werner Mohr) participated to national events
  - Workshops with prominent actors

*We are not criticizing excellence based networks, but their closeness to newcomers*

5 Successful Projects: 1.8 M € Return



- Green Vehicles demands high level of expertise and excellence
- A dominant first tier is existent: EG VIA members
- A second tier is also existent: acting as a bridge to consortia
- **Green Vehicles network is also excellence based but open to newcomers**
  - Also declared by EG VIA in PPP Info day
  - Public and mass events are not the place for integration to network

*We are eager to show our excellence and exploit it to the fullest, once networks are open*

- Enabled TR actors membership to EG VIA, ERTICO, EARPA
- New automotive clusters were formed in TR
- National (over 100) and international (3) info days and meetings were held

7 Successful Projects: 3,3 M € Return

**Thank you for your attention...**