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)

*Source: E-Corda, based on H2020 2014-2017 calls*
Turkey is not in periphery in EUREKA

Once there is more room for NISs

TR could move towards the center of network

*Source: EUREKA Annual Report 2016*
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

<table>
<thead>
<tr>
<th></th>
<th>Fund</th>
<th>Funded Projects</th>
<th>Applied Projects</th>
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</thead>
<tbody>
<tr>
<td>Turkey</td>
<td>1 M €</td>
<td>9</td>
<td>53</td>
</tr>
<tr>
<td>Total</td>
<td>1,8 B €</td>
<td>477</td>
<td>1,611</td>
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<tr>
<td>TR’s Share</td>
<td>0,06%</td>
<td>1,89%</td>
<td>3,29%</td>
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<tr>
<td>TR Share Non-JTI Calls</td>
<td>0,45%</td>
<td>2,22%</td>
<td>2,60%</td>
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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 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

5 Successful Projects: 1.8 M € Return

We are not criticizing excellence based networks, but their closeness to newcomers
Green Vehicles Network

- Green Vehicles demands high level of expertise and excellence
- A dominant first tier is existent: EGVIA 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 EGVIA in PPP Info day
  - Public and mass events are not the place for integration to network

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

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

7 Successful Projects: 3,3 M € Return
Thank you for your attention...