

A graphic consisting of twelve 3D yellow stars arranged in a circle, set against a blue background that features a faint map of Europe. The stars have a slight shadow, giving them a three-dimensional appearance.

# OPEN ENERGY MARKETPLACES AND ENABLING TECHNOLOGIES.

**Brussels**  
**08<sup>th</sup> March 2019**

Horizon 2020 – FOCUS AREA Digitisation  
DG ENERGY/DG CONNECT  
Mark.van-Stiphout@ec.europa.eu  
Rolf.Riemenschneider@ec.europa.eu



<i>Registration</i>		
09:00	<i>Welcome and introduction</i>	<b>Haitze Siemers,</b> DG ENERGY/C2 <b>Rolf Riemenschneider,</b> DG CONNECT/E4
09.20	<i>Open Energy Marketplaces Evolution</i>	<b>Natalie Samovich,</b> AIOTI Norela Constantinescu, ENTSOe <b>Pierre Serkine,</b> EIT InnoEnergy <b>Maher Chebbo,</b> ETIP SNET
09.40	<i>Outlook Energy Marketplaces 2030. Role of enabling digital technologies</i>	<b>Rolf Riemenschneider,</b> DG CONNECT.
10.10	<i>Solutions for: Demand response, Energy efficiency, Mobility, Power sector interfaces (gas, heat etc.)</i>	<b>Mark van Stiphout,</b> DG ENERGY
10.45	<i>Coffee break</i>	
11:00	<i>Solutions for: Demand response, .. (CONT'D)</i>	<b>Mark van Stiphout,</b> DG ENERGY
11.45	<i>Open Energy Marketplaces: governance of platforms and data exchange, GDPR, architectures, ..</i>	<b>Mikolaj Jasiak,</b> DG ENERGY.
12.45	<i>Lunch break</i>	

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13.45	<i>Feedback from projects and SMEs - Solutions for operational enablement related to Security, Monetisation, Trading, Forecasting of energy operations. "</i>	<i>Ruud Kempener, DG Energy</i>
15.00	<i>Scaling up investments in digital technologies and services: Opportunities and roadblocks, investors and market trends</i>	<i>Lukas Repa, DG CONNECT</i>
16.00	<i>Coffee Break</i>	
16:15	<i>From piloting to well-orchestrated energy marketplaces in 2030: what are other or upcoming issues?</i>	<i>Open discussion with the Audience</i>
16:50	<i>Wrap up &amp; Closing</i>	<i>AIOTI, ENTSOe, EIT InnoEnergy, ETIP SNET, European Commission</i>
17.00	<i>End</i>	

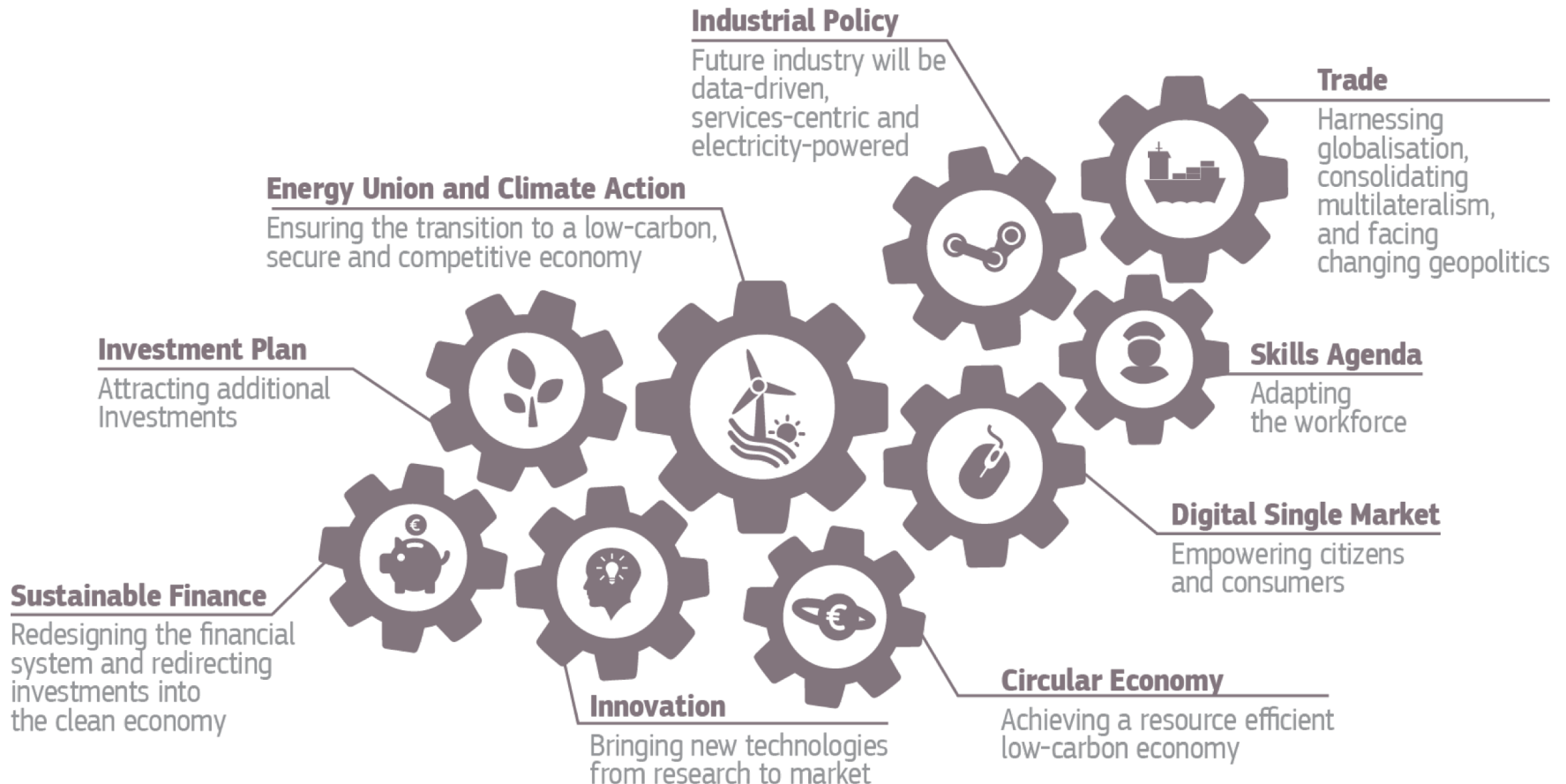
- An Action Plan** DIGITISING EUROPEAN INDUSTRY



*COM(2016)180, European Commission, 19 April 2016*

# Large-Scale Pilots – Evidence-based Policy Strategy

## The modernisation of Europe's economy is delivered across the Commission's Policy Streams





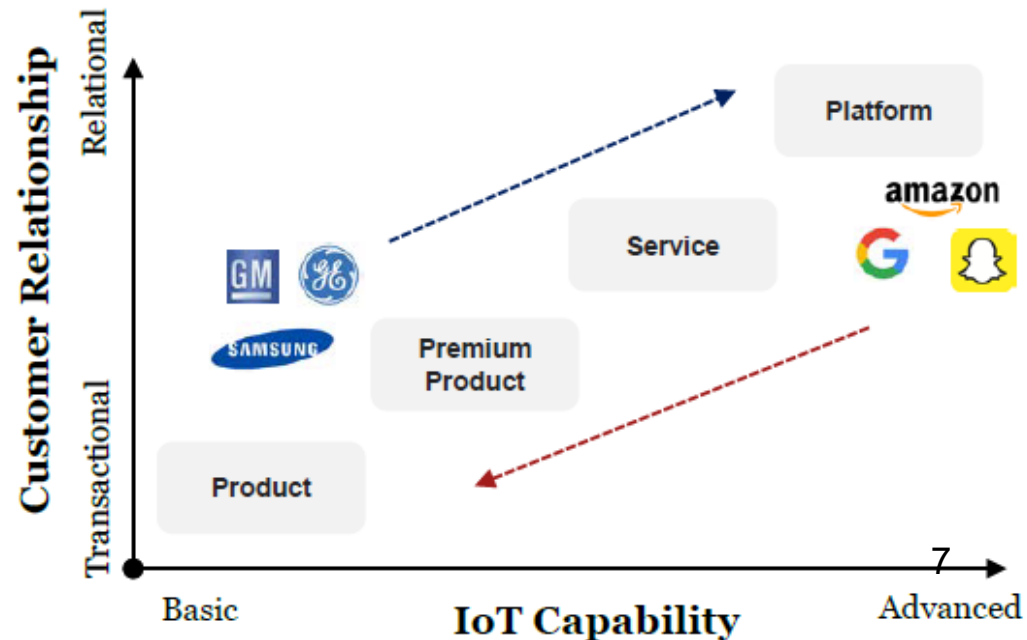
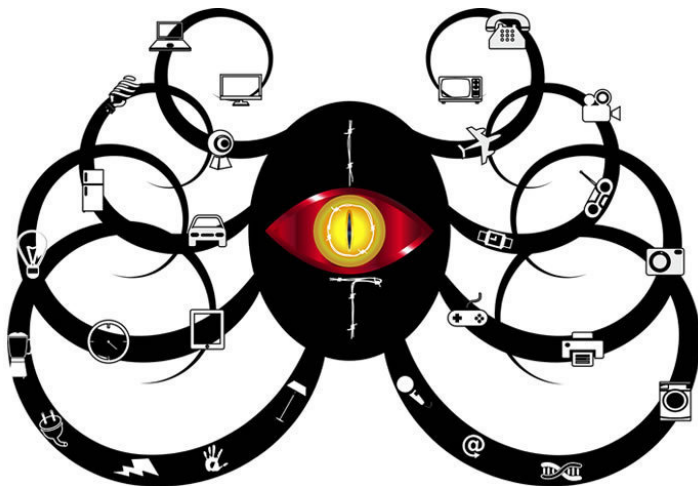
# Internet of Things – Smart City



- Distributed Clouds and Islands of Information
- Data Sharing is **CENTRAL** for IoT Applications in Cities

# Towards platform economy and Open Marketplaces

- **WHAT?**
  - The rise of IoT platforms will solve interoperability challenge
  - The role and importance of the customer experience is increasing
  - *Marketplaces* instrumental for new data-driven business models
  - *Open Marketplaces* will benefit from network effects
  - **!!! IoT exposes an increased attack surface !!!**





# Background & Useful links:

- **Digitising European Industry Strategy (DEI):**  
<https://ec.europa.eu/digital-single-market/en/digitising-european-industry> → FUTURIUM
- **Supporting and Building Platforms under DEI**  
- <https://ec.europa.eu/digital-single-market/en/industrial-platforms-and-large-scale-pilots>
- Workshop **Open MARKETPLACES to spur innovative energy services**
  - EC (ENER + E4) Workshop co-organised with AIOTI on 22 Oct. 2018 in Brussels
- BDVA Blog on '**Future Data Marketplaces**'
  - Authors: A. Broering (Siemens) et al. following a workshop on 06/11/2018 in Berlin
- AIOTI White Paper on **IoT Data Market Places – Drivers and Architectures**
  - Authors: O. Elloumit, T. de Block, N. Samovich - See alliance AIOTI.eu
- Workshop **Convergence of Blockchain, AI and IOT -**
  - Blockchain observatory & forum on 28 March 2019 in Brussels
- Open Workshop in Brussels **Large-scale IoT & Data Marketplaces**
  - EC with Open Agile Smart Cities OASC on **08 April 2019**
- German Online Consultation on a **Blockchain Strategy**