

# EU Industry Days 2019

## - Notes -

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### 1. Introduction

The European Commission organised the EU Industry Days 2019 event on 5-6 February 2019 in Brussels.

This document lists the notes taken during some of the organised round table discussions.

Additional information and the full programme of the event can be found here:

[https://ec.europa.eu/info/policies/business-and-industry/eu-industry-days-2019\\_en](https://ec.europa.eu/info/policies/business-and-industry/eu-industry-days-2019_en).



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Partenaires de projet



Partenaires associés



## 2. Day 1

### 2.1. Session : Sustainable Industry : circularity and carbon –neutrality

Tuesday 05/02/2019 12h00 – 13h30

#### Moderator

- [Mauro Petriccione, Director-General for Climate Action, European Commission](#)

#### Speakers

- [Eric De Coninck, Low Impact Steel-Making Project Manager, Central Technical Office, Technology Department, ArcelorMittal](#)
- [Pete Harrison, Executive Director for EU Policy at European Climate Foundation](#)
- [Mari Pantsar, Director for Carbon-Neutral Economy at Finnish Innovation Fund, Sitra](#)

#### Notes

Mari Pantsar

- Finland developed tool to measure carbon footprint, used by many Finnish people
- Finnish companies today see the opportunities of carbon neutral processes and production

Eric De Coninck

- Work on low carbon production methods, including using Hydrogen
- The world needs to play the game with the same rules => steels that does not respond to European production criteria should not be allowed for import or taxed

How to push circular economy

- Mari:
  - Circular economy and ecologic mitigation go hand in hand
  - Despite regulations pushing to produce more climate friendly, European companies success to be competitive on global markets
  - Customers need information about carbon footprint of products (carbon footprint label)
- Mauro:
  - Taxation is in consideration at EC (carbon taxes raised from 5 to 23 €/t in short time)
- Eric
  - ETS system is not the best tool to steer companies using carbon as agent
  - If other countries become open for climate friendliness, then technologies will be installed everywhere
  - People go for the cheapest product/service => climate awareness of customers necessary, integration of climate costs in products?
- Pete
  - In-depth knowledge about markets is necessary before making political decisions or publish regulations

How do see the digitalization

- Eric
  - Many data available, operators get a lot of information and messages
  - Digitalisation is meant to monitor all activities
  - Data must be produced and share as energy economic as possible
- Pete
  - Using digital tools to increase use of cars (95% parked) => huge ecological impact
  - AV sounds well to electrification

- Eric
  - AV energy is ranging from -90% to +100% because people will use laptops and other devices while driving
- Mari
  - IT platforms are part of the problem
  - 
  - ICT emissions estimated to represent 3.5% in 2019 > than aviation

## 2.2. Session : Sustainable Meta-Cluster Networking

Tuesday 05/02/2019 13h30 – 15h00

### Moderator

- Marc Pattinson, Managing Director of inno TSD

### Speakers

- Frank Boesenberg, Managing Director of Silicon Saxony
- Nadja Dehne, Manager International Relations of Silicon Saxony
- Isabelle Guillaume, CEO of Minalogic
- Franz Josef Kirschfink, Managing Director of Hamburg Aviation
- Cristina Murillo Gómez, Cluster Services Manager of Gaia
- Guillaume Roux, IoT4Industry project coordinator of SCS cluster
- Frank Bösenberg, Silicon Saxony

### Notes

#### Frank Bösenberg

- You need a meta-cluster brand when you want to go to Asia or US
- Clusters must act as “Voice for SMEs”
- You don’t need meta-clusters inside EU

#### Nadja Dehne

- SEWW project presentation
- Meta-clusters can act as One-Stop-Shop for international cooperation
- Cooperating clusters get a critical mass

#### Isabelle Guillaume

- Role of clusters in DIH landscape
- Goal: One stop shop in Region (one per region)
- Help digital transition/transformation of industry
- Excellence for Tech Champions
- Clusters are the natural organisers of DIH
- Meta-clustering can help SMEs even on European level
- DIH must collaborate on EU level
- Open Innovation Days: Invite a large company with needs and bring them together with 40-50 Start-Ups/SMEs

#### Franz Josef Kirschfink, Hamburg Aviation Cluster

- EACP – example of a successful meta-cluster, 10th anniversary in 2019
- Recommendations:
  - Develop common strategy and common mission with members

- Common working groups
- Answer together to EU calls
- Provide services : e.g. sharing information on partner search and others
- Common tool for communication and project management
- Internationalization = interesting element of meta-clusters
- **Take care of sustainability** of actions (not just signing a MoU),
  - ex. Exchange of staff => lead to common R&D projects
- Global Aerospace Cluster Summit => panel with EACP members and other people from around the world at big airshows
- Every partner must see a profit from the meta-cluster
- A coordinator is needed to manage constantly the meta-cluster to be successful
- If you want to bring more SMEs into funding schemes, other ones are needed than those existing in EU today

#### Cristina Murillo Gomez

- Gaia = small cluster, part of meta-cluster allows to bring cluster to a higher level
- Share of problems (e.g. future skills for staff, ....) with others
- Mobilizing funding (public and private) as key resource to drive meta-cluster projects

#### Guillaume Roux

- Project iot4industry (Innosup) : Changing the rules of H2020 funds distribution: towards the most innovative SMEs lacking of EU funding experience
- Network of ambassador clusters to spread project across EU
- EC funding is too difficult for SMEs, cascade funding is a good solution for SMEs

#### Marc Pattinson

- Clusters should monitor all Innosup projects as funding is available also for non-partner members!

#### Discussion:

- If members see a benefit in project results (COSME, Innosup....) they push clusters to continue => way of ensuring sustainability
- Return on experience on RIS3 strategy building by clusters

#### Frank

- RIS3: Silicon Saxony had been involved in a slight level as well as on supervisor board
- Actions are for SME members => if you're successful you create sustainability

#### Franz Joseph

- Hamburg Aviation is involved in RIS3 strategy
- Bring members needs into strategy
- Feedback from big companies and SMEs: To speed up digitalization, we need more rapid funding schemes

#### Isabelle

- Meta-clusters have a real value for European business and R&D activities
- DG GROWTH please support clusters with inter-clustering support

#### Guillaume

- After the end of Innosup project, no vouchers available any more => transformation of obtained results/solutions into a marketplace
- Help companies to find customers

## 2.3. Session: Manufacturing as a service: the additive manufacturing promises to the EU economy

Tuesday 05/02/2019 16h15 – 17h45

### Moderator

- Professor Valeria Nicolosi, Trinity College Dublin

### Speakers

- Tanja Missfeld, Associate Partner at Ernst & Young
- Dr Alireza Parandian, Head of Global Business Strategy Wearables at Materialise NV
- Andreas Graichen, Group Manager 'Additive Manufacturing Centre of Competence' at Siemens
- Professor Robert Shorten, Co-Principal Investigator at I-Form Advanced Manufacturing Research Centre
- Dr Paula Queipo, Project coordinator at AM-Motion

### Notes

Tanja Mißfeld, EY

- Digitalisation changes the whole value-chain, from personal situation to the global system
- Digitalisation must be part of the company's strategy, not seen as necessary add-on
- Digitalisation starts in the heads
- Strong partnerships are necessary to be successful
- Europe is (far) behind e.g. Asia in this topic

Alireza Parandian, Materialia NV

- AM industry does not produce waste
- Biggest challenge: technology has evolved from prototypes to general manufacturing, specific manufacturing tools is now needed

Paula Queipe, AM-Motion

- Necessary to rethink the whole production line, not only the AM machine
- You need to find the added value of AM
- > 120 EU projects on AM have been funded since 2010 + national and regional funded projects
- Technology will not have any disruptive evolutions any more, needed are now to look on regulations, standards, skills, ....

Andreas Graichen, Siemens

- Data security and safety are crucial and not yet addressed in projects
- IP property must be ensured
- What is the export value if a product is sent by email to an AM production close to the customer

## 3. Day 2

### 3.1. Setting the scene

Wednesday 06/02/2019 09h05 – 09h20

#### Speaker

- [Margrethe Vestager, European Commissioner for Competition](#)

#### Notes

- EU sets up huge R&D projects of common interest, e.g. in microelectronics DE, IT, FR...)
- Jean Tirole, prix Nobel economy: Be careful where R&D funding is given to avoid competition perturbation
- Competition is part of industry policy
- To get market entry in EU it needs market entry in the partner country

### 3.2. Inspirational speech

Wednesday 06/02/2019 09h20 – 09h35

#### Speaker

- [Claudia Olsson, Founder and Chair of Stellar Capacity AB and Young Global Leader of the World Economic Forum](#)

#### Notes

- Hierarchical structures are not anymore the ones from the last industrial revolution
- Industry needs to develop a digital mindset
- If you are working in a network, you need to share a common purpose (grand vision)

### 3.3. Round table: From decarbonisation to artificial intelligence – challenges and opportunities for EU industry towards 2030

Wednesday 06/02/2019 09h35 – 10h35

#### Moderator:

- [Ann Mettler, Head of the European Political Strategy Centre, European Commission](#)

#### Speaker

- Loubna Bouarfa, CEO and Founder of OKRA MIT Innovator Under 35, and [Member of the high-level expert group on artificial intelligence](#)
- Ineke Dezentjé Hamming-Bluemink, President of FME, Member of Industry 2030 high level industrial roundtable
- [Solveigh Hieronimus, Leader of McKinsey Center for Government \(MCG\), Member of the High-Level Group on the Impact of the Digital Transformation on EU Labour Markets](#)
- [Antti Vasara, CEO of VTT, Member of Strategic Forum on Important Projects of Common European Interest](#)
- Dimitri de Vreeze, [Member of Management Board Koninklijke DSM](#), [Board Member of European Chemical Industry Council](#)

#### Notes

**Ineke Dezentjé Hamming-Bluemink**, Pres. of FLE, member of Industry 2030 High Level Industrial Roundtable

- We are in a war of talents
- If you do not have qualified people, you won't have innovative solutions
- Growth of China is a challenge
- Main issue of HLG: How to prepare industrial transition by ensuring growth
- EU Industry must be distinctive, proposition: focus on human centered technology and solutions e.g. in AI
- Europeans should be co-owners of AI
- See employees not as a cost factor but as a value
- EU needs to speed up, a proposition on how EU can be a global leader with above mentioned values in summer

**Antti Vasara**, CEO of VTT, Member of Strategic Forum on Important Projects of Common European Interest (CEI)

- CEI projects belong to the global European Industry Policy
- Subjects need to be federated to avoid that R1d is fragmented
- If some member states want to invest more in one specific domain, they should be allowed to do
- Is there a concern on EU money going to non-EU companies. EU should attire talents (as Silicon Valley) independent of nationalities

**Loubna Bouarfa**, CEO of OKRA, Member of High Level Expert Group on AI

- AI is one of the crucial topics
- Mission of HLG: How to maximize benefits of AI and minimize risks by meeting societal challenges (ethics, climate change...)
- AI means uncertainty, but uncertainty is banned/abgelehnt in EU in nearly all sectors
- AI allows to reduce uncertainty
- EU AI scaled to other continents => transfer of values
- AI technology is not stable, its evolving, its learning => policies shall not block evolution. A large vision is needed.
- Second stream: how to boost adoption of AI in EU industry?
- EU behind US and China

**Solveigh Hieronimus**, Leader of McKinsey Center for Government, Member of the HLG on the Impact for Digital Transformation on EU Labour Markets

- 50% of tasks can be automated by today's technologies => 100 to 150 M Europeans
- EU is not moving because it is complex to bring digital skills to > 100 M people in 28 member states
- EU has one of the strongest educational systems
- It's complex as some of the needed skills are undervalued
- New skills will not be delivered by the existing system, but ??? probably employers, adult learning during jobs...
- When you free 30% of your working time and talents are scared/rare => use it for learning
- A system of learning credits could be needed.

**Dimitri de Vreeze**, Management Board Koninklijke, Member of European Chemical Industry Council

- How will decarbonisation impact energy intensive industry?
- No discussion whether we must do it, Chemical Industry sees transition as opportunity
- Decarbonisation will disrupt the industrial landscape, digital and people skills will be enablers
- Who do not adapt, will lose.
- Not look on the world on a year-to-year vision but on a transition vision

- EU is ahead on ecological issues (compared to China), China is accelerating ecological issues because they have, but EU needs to stay ahead in this question

Antti: more R&D is needed in the following topics:

- Electric and autonomous vehicles
- Smart health
- Hydrogen systems
- IoT
- Cybersecurity
- ???

### 3.4. Dialogue on industry and innovation

Wednesday 06/02/2019 10h50 – 11h20

Moderator:

- [Ann Mettler, Head of the European Political Strategy Centre, European Commission](#)

Speaker

- [Pierre Gattaz, President of BusinessEurope](#)
- [Jean-Eric Paquet, Director-General for Research and Innovation - European Commission](#)

Notes

**Pierre Gattaz**, Pres. Of BusinessEurope

- Idea of Innovation is very important
- A strong ambition/a dream for Europe is needed
- Us and China have long-term strategies to become strong in 'all' topics, EU is missing one
- Subjects: Smart Cities...
- EU competitive advantages , Difference of EU compared to US and China: EU cares about humans, about climate (best in class in the world), cultural and historical patronyms,
- We need technology and innovation everywhere
- EU needs to develop the pride of being European

**Jean-Eric Paquet**, DG for R&I, EC

- Past: development of tools, enhance collaboration
- Now: DG R&D will orientate R&D
  - How to deal with the planet
  - ...
  - ...
- Next wave of innovation is a huge challenge for EU, when digital and AI must be connected to industry: EU at cutting-edge and model for the world. Even if EU is behind in AI and digital development
- EU Industry is aware, ready and can deliver

**Ann Mettler**

- 20 biggest digital and AI companies are US and Chinese
- Only 28 EU companies left in fortune 100 list

**Pierre**

- Growth means business => enables innovation



- Digital is interesting as it brings innovation to the whole value chain (production, processes, ..., not only products)
- EU needs very big companies as well as start-ups
- EU need to be smarter with regulations: happy consumers without work won't be happy anymore

#### Jean-Eric

- EU is particular strong in system approaches
- The challenge is the scaling up of companies, talents, ideas are available

### 3.5. Presidency perspective

Wednesday 06/02/2019 11h20 – 11h40

#### Speaker

- Niculae Bădălău, Romanian Minister of Economy
- [Mika Lintilä, Finnish Minister of Economic Affairs](#)

#### Niculae Badalau, Romanian Minister of Economy

- Visions on strategy, digitalization and AI
- Digitalisation and AI will shape the strategy 2030
- Special attention to industry, ..., clusters
- EU needs a modern industrial policy to face future challenges
- Ro => Industry = 25% of GDP

#### Mika Lintilä, Finnish Minister of Economic Affairs

- Building up a sustainable battery production value chain is crucial for EU automotive industry competitiveness
- Avoid dependency on this topic from other continents
- Up to 250 B€ market share possible for EU from 2025 onwards

### 3.6. Session: A Competitive European Eco-system for R&D, Innovation and digitalization

Wednesday 06/02/2019 12h00 – 13h30

#### Moderator

- Cecilia Warrol, Programme Director at Produktion2030

#### Speaker

- Johan Harvard, Deputy Director at Swedish Ministry of Enterprise and Education
- [Botond Kadar, Institute for Computer Science and Control at the Hungarian Academy of Sciences](#)
- Harri Kulmala, CEO of DIMECC (Digital, Internet, Materials & Engineering Co-Creation)
- Silvia de la Maza, CIO of Innovalia
- Joaquim Menezes, President of IBEROMOLDES Group and Chairman of EFFRA

#### Notes

##### Harri Kulmala, CEO of DIMECC,

- co-creation platform going for
  - products produced without human fingerprint,



- for autonomous hips,
- autonomous logistic systems
- ...
- Industry is investing hugely in those topics
- Bringing different eco-systems together for co-creation, asking for public funding in addition to private funding
- Systems are often larger than one single actor can do, therefore collaboration is necessary
- Will change organisations, work life and by that private life

**Botond Kadar**, Hungarian Academy of Sciences, Institute for Computer Sciences and Control

**Sylvia de la Maza**, CTO Innovalia (ES)

- Group of SMEs, active in digitalisation and industrial modernisation
- PPPs need to be strengthened

**Johan Harvard**, Deputy Director, Swedish Industry for Enterprises and Education

- Collaboration needs trust among partners (IP, value sharing, ...)
- Ecosystems need to be federated to avoid double/parallel research

**Harri**

- 1% more or less funding = 5% more or less projects
- Modifying R&D funding budgets may disturb long-lasting knowledge building
- PPPs must concentrate on showing the impact, tell success stories

**Silvia**

- Open calls is a good way to involve SMEs, better than participation in huge consortia
- Having deliverables public is not enough, public spaces for common discussions are needed

**Joaquim**

- EFFRA will publish the FoF Roadmap for the next 7 years on 19<sup>th</sup> of March 2019

#### 4. Personal conclusion (Thomas RÖHR)

An event with a strong focus on circular economy that covered a lot of subjects and industries. Sessions have been long with few and short breaks. The event gathered around 1,800 participants, and it was quite difficult to enter into contact with other attendants.

Some of the comments and information given was interesting, but the effort necessary (travel, two working days) was high for the result/return on invest.