



Angelo Nuzzo, PhD

DIH INITIATIVES IN AUSTRIA

DIGITAL INNOVATION HUBS DAY

14.03.2019, Stuttgart, Germany

OUTLINE

- Digital Platforms and Hubs: policy background and status quo
- DIH National Funding Program
- Current DIHs
- Key players interested in future DIHs



DIGITAL PLATFORM AND PILOTS

As regards **Digital Platforms and Pilots**, Austria has already some national strategies and initiatives in place:

- "Industrie 4.0 Österreich": launched in 2015 by the Ministry for Transport, Innovation and Technology (BMVIT), aiming at securing and creating highly innovative industrial production and boost quality employment, thus strengthening Austria's future competitiveness [1]
- "Produktion der Zukunft": an independent funding program installed by BMVIT, that promotes national and translational cooperative research and development projects [2]
- "Digital Roadmap for Austria": published in 2017, foreseeing strategies and topics on security, R&I, infrastructure, economy, mobility, health, work 4.0, education and inclusion [3]

1. <http://plattformindustrie40.at>

2. https://www.bmvit.gv.at/innovation/produktion/produktion_der_zukunft.html

3. <https://www.digitalroadmap.gv.at>

PAST H2020 CALLS FOR HUBS (EXAMPLES)

ICT-04-2014



i EUROCPs

A network of design centres boosting and initiating synergies between SMEs, major CPS-platforms and competency providers to capture the emerging markets of IoT products. **30 experiments** initiated and led by SMEs.



i CPSELABS

CPS engineering infrastructure, knowledge and tools for realising novel CPS-based products and services. The CPSELabs marketplace provides an open forum for sharing platforms, architectures and SW tools for the engineering of dependable and trustworthy CPS. **Focussed experiments** (3-6 partners) and fast-track (12-18 months) with innovation objective.



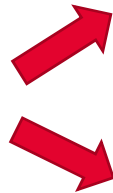
i GATEONE

Innovation service for European smartization by SMEs. 20% of bioelectronics technologies. **50 small scale experiments** to deliver innovation concept as demonstrators with SMEs engaged in testing phase.



i SMARTER-SI

Smart access to manufacturing for systems integration. To develop a RTO Community Foundry Model (CFM) that will accelerate a wider deployment of SSI with greater access to design, manufacturing capabilities for prototyping, early validation and first production for SMEs to exploit in niche markets (low volume high value). A test bed to realise **10 application experiments**



ICT-04-2017



CYBER-PHYSICAL AND EMBEDDED SYSTEMS



CUSTOMISED LOW ENERGY COMPUTING POWERING CPS AND IOT

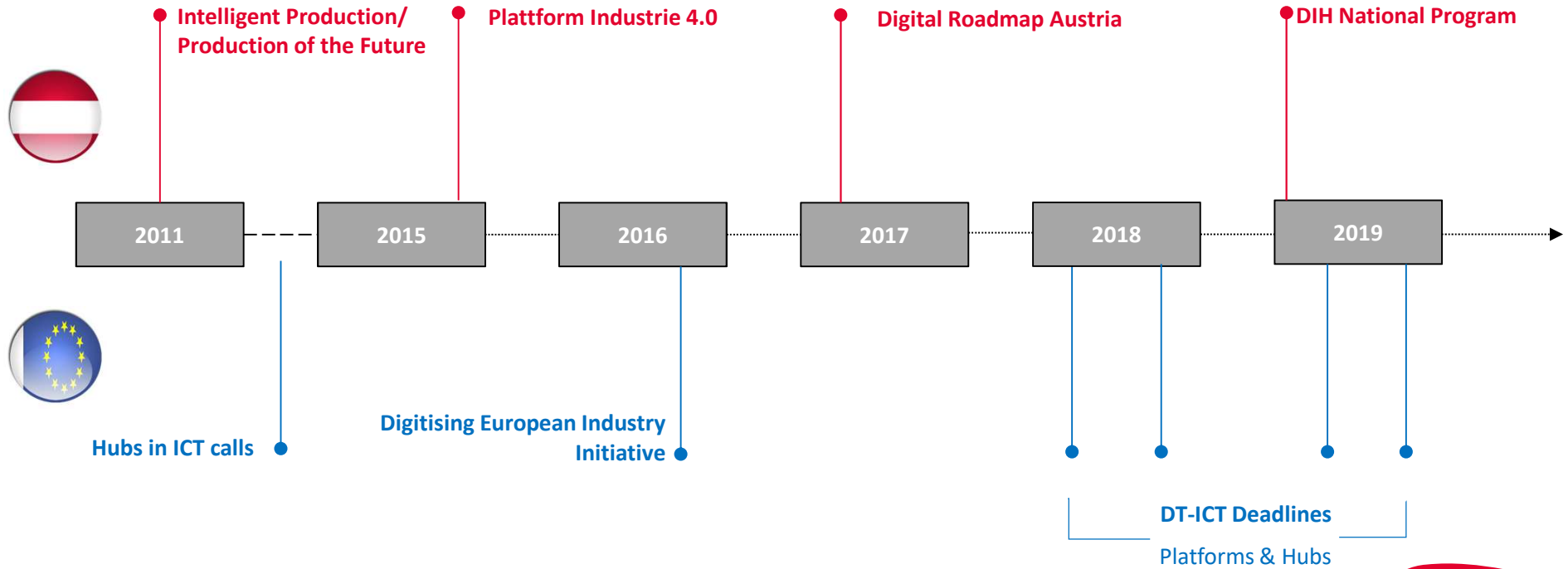


ADVANCED MICRO-ELECTRONIC COMPONENTS AND SMART SYSTEM INTEGRATION



LARGE AREA ELECTRONICS

ALIGNMENT WITH EU INITIATIVES



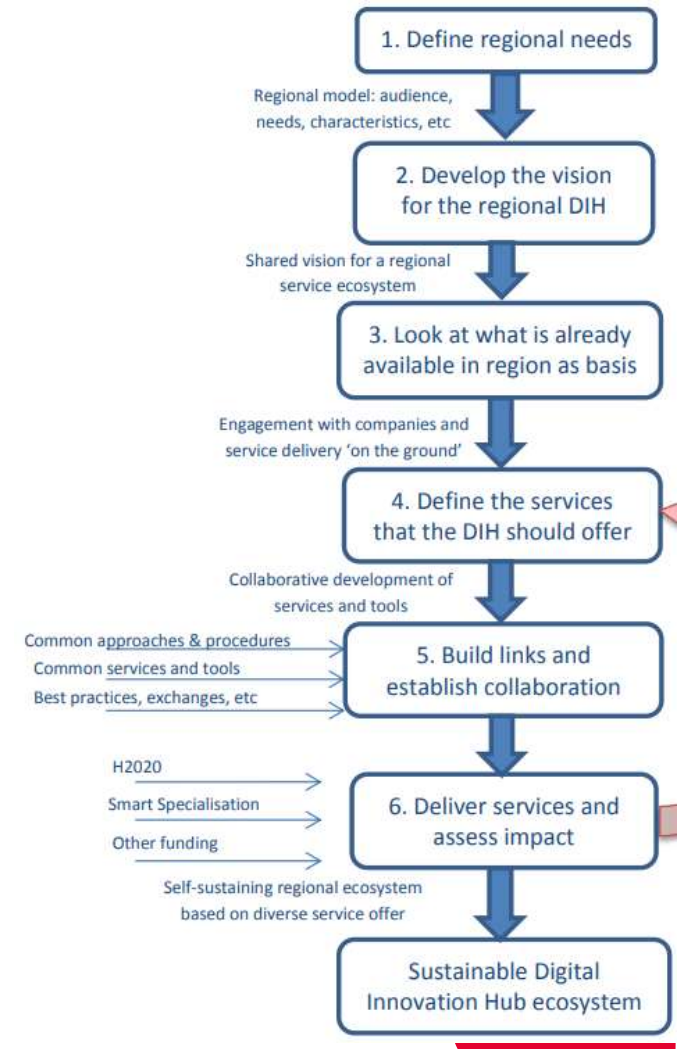
ENTER TITLE OF THE PRESENTATION

DIH NATIONAL PROGRAM

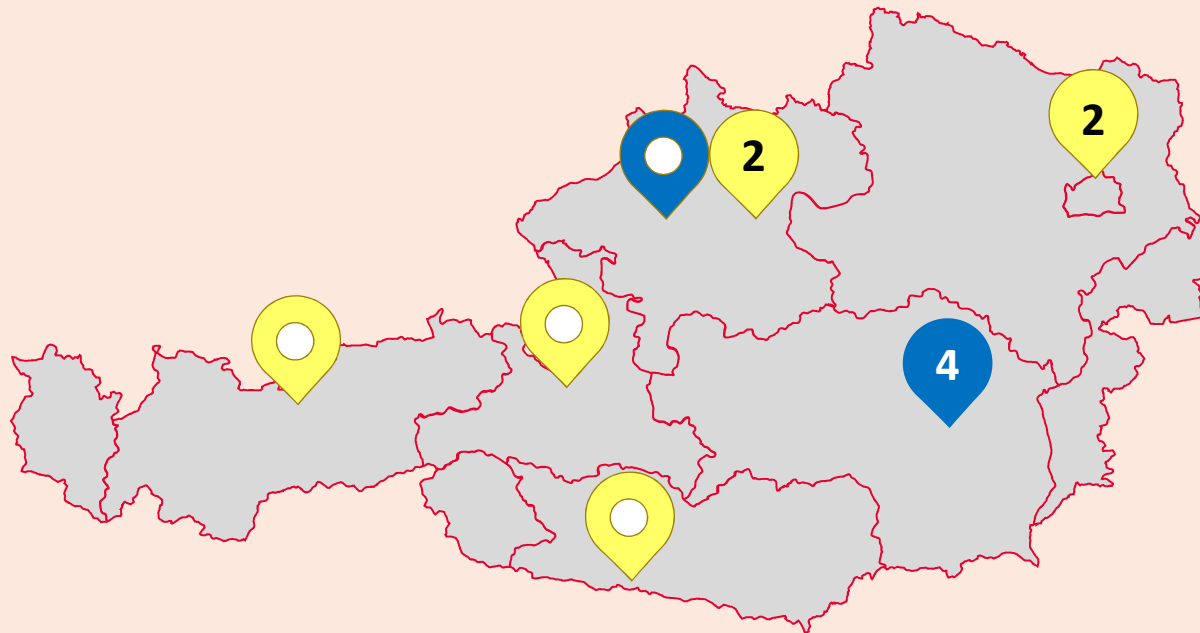
- Call for big regional covering. A majority of Austrian SMEs should have a node of the hub ("digital center") as the first point of contact in their easily accessible direct environment
- Content should match the offer to regional needs.
- Consortia that focus on **Artificial Intelligence (AI)**, **Security**, **Blockchain** and **3D-Printing** are especially invited for submission.
- Prepare Austrian stakeholders for participation in relevant European Innovation Hub initiatives.

Call Fact Sheet:

- *Opening: 15.11.2018 – 28.2.2019*
- *Total available budget: 3 M EUR – Funding quote: 50%*
- *Maximum Funding per Hub: 1.5 M EUR for 3 years*
- *Evaluation committee: April 2019 – Operative start: Autumn 2019*



EU DIH TOOL



1. BioNanoNet ForschungsGmbH, Graz
2. CAMPUS 02 University of Applied Sciences, Graz
3. CDP Center for Digital Production, Vienna
4. Data Market Austria, Salzburg
5. Innovationsplattform Kufstein, Tyrol
6. Know Center GmbH, Graz
7. Linz Center of Mechatronics
8. PROFACOR Cognitive Robotics and Factory HUB, Steyr
9. RECENDT - Research Center for Non-Destructive Testing GmbH, Linz
10. Smart Fab Carinthia, Spittal
11. Virtual Vehicle Research, Graz
12. VRVis Zentrum für Virtual Reality und Visualisierung Forschungs GmbH, Vienna

KEY PLAYERS FOR HUBS IN AUSTRIA

Platforms

- The Association **Industry 4.0 Austria** - The Platform for Smart Production
<https://plattformindustrie40.at/>
- **Digital Austria** (by the Austrian Digitalisation Agency, DIA)
<https://www.digitalaustria.gv.at/>
- **The Austrian Photonics Platform**
<https://www.photonics-austria.at/>

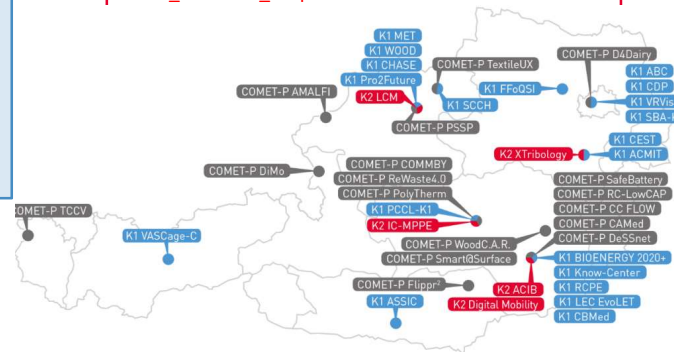
COMET Centers

- Competence Centers for Excellent Technologies, implemented in Austria since 1998
- Internationally recognised best-practice model and one of Austria's most successful technology policy initiatives.

https://www.ffg.at/sites/default/files/allgemeine_downloads/strukturprogramme/COMET/20190104_COMET_factsheet_EN.pdf

Organisations

- Listed on EU DIH Tools
<http://s3platform.jrc.ec.europa.eu/digital-innovation-hubs-tool>
- University of Veterinary Medicine, Vienna
<https://www.vetmeduni.ac.at/>
- Austrian Chamber of Agriculture (LKO)
<https://www.lko.at>





DI Dr. Angelo Nuzzo
Program Manager ICT
European and International Programmes

Austrian Research Promotion Agency
Sensengasse 1, A-1090 Vienna

T +43 (0) 5 77 55 – 4203
angelo.nuzzo@ffg.at
www.ffg.at

THANK YOU FOR YOUR ATTENTION!