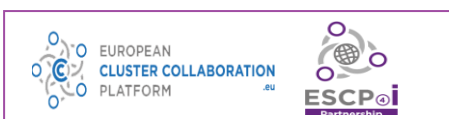## DIA will join the ISWC 2019

DIA organizes its final event at the IoT World Solutions Congress in Barcelona (29th-31st October 2019) in cooperation with Cyber Secure Lights (CSL) a COSME Project focused on IoT smart building and on smart lighting security aspects. The IoT Solutions World Congress is the largest IoT event in the world to get inspired with new ideas, solutions and people.

CYBER SECURE LIGHT & DIA JOINT EVENT

DIGITAL INDUSTRY
DISRUPTIVE SOLUTIONS TO SHAPE THE FUTURE OF SMES

IOT SWC19 SIDE-EVENT
29TH OCTOBER 2019 | BARCELONA | SPAIN

A unique event dedicated exclusively to joining digital providers with industry in order to help the latter increase productivity via this disruptive technology. Since it's first edition back in 2015, the event has grown to become the global reference for industrial IoT, and the annual meeting for industry stakeholders to establish new partnerships. The 2018 edition register 16.250 visitors from 120 countries, 341 exhibitors, sponsors and partners and 400 top level speakers.

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STUDY VISIT IN AACHEN, GERMANY: #NEVERSTOPLEARNING

On 3rd and 4th September 2019 DIA has taken part to the German study visit in Frankfurt and Aachen areas organized by BNPT, one of the DIA partners.

The first day DIA consortium has visited PVA TePla Group in Wettemberg : established in 1991, the PVA IVS GmbH builds and sells thermic process systems and systems for developing, manufacturing and treating high-quality materials at high temperatures. The company designs high-performance furnaces for sintering, joining, welding, melting, nitriding, and carburizing in controlled atmospheres ranging from high-vacuum conditions to pressures of 200 bar.

After the initial presentations (where Pole SCS presented the DIA project and the other partner presented their cluster), the DIA team had a change to look behind the scenes of the company during a guided factory tour: the team had the chance to see where and how PVA is using digital applications (Industry 4.0). PVA is just at the beginning with the Industry 4.0 process and as they have customized systems it will not be so easy to include IoT etc. into the system as they will need a solution for each customized system. The partner could give PVA some very good advices for the production process and production hall to use Industry 4.0.

The day after the consortium has moved to RWTH Aachen Campus (Smart Logistics branch) a University aiming at developing a research based on transcidiplinary projects and on practice-oriented industry problems, to find innovative solutions thanks to digitalization, simulation and visualization. A mission that could be summarized in its motto *"Research – Innovation – Realization".*

Mr Bigge (CEO of the Smart Logistic Cluster) gave the DIA team a detailed presentation of the RWTH as well as about all related clusters (e.g. Production Engineering, Sustainable Energy etc.).The subject areas are embedded in 16 long-term clusters.

DIA @ #LetsCluster Summit

On the 19 September 2019 Pôle SCS hosted the AI for the SMART PORT appointment at one of their members premises SmartDTV at La Ciotat from 9:30 to 14:30. The principle topic of this event was: how to combine both the scalability of the algorithms and their ability to make the best use of the computing resources and distribution problems of these algorithms (distributed computing resources, distributed data sources, ubiquitous computing, security and legal constraints, etc. …).

This workshop comprised of Mr Redmond introducing the DIA project and how the collaboration with the Computer Research Institute of Montréal CRIM) and Pôle SCS was established through Mr Redmond's activities while attending the EU-Canada Cluster Matchmaking Event in Toronto this year and in meetings organized specifically by the Government of Quebec in Montréal for the DIA project.

The centers represent operative units that are focused on individual future issues, in which interdisciplinary teams and industry consortia work jointly on visionary approaches to solving these issues. Six clusters with more than 30 centers are currently being developed on Campus Melaten: Bio-Medical Engineering, Sustainable Energy, Photonics, Production Engineering, Heavy-Duty Drives and Smart Logistics. More than 360 companies are already involved as members on RWTH Aachen Campus amongst others very reputable companies like Deutsche Bahn, CLAAS, Lufthansa, Hewlett Packard etc.

DIA consortium also has visited RTWH site area in which industries and research partners jointly drive co-creation and the collaboration to innovate; an occasion for the Campus to proudly present e.GO the second electric car developed on RWTH Aachen Campus in 2015 after StreetScooter the pioneering project of Prof. Dr. Günther launched in 2010 and acquired in 2014 by Deutsche Post DHL Group for its daily operations.

STUDY VISIT IN ESKILTSUNA, SWEDEN: #NEVERSTOPLEARNING

DIA consortium has flown in Sweden: DIA visited the Expectrum in Vasteras an open hub where enterpreneurs, kids, researchers and citizens are free to discover, play and work on digital topics ; the next day the consortium has joined the DIGIMEET 2019 in Eskiltsuna, taking part to the opening of the MITC lab: a great day to discuss about digital challenges and opportunities together with the reagional autorities and the local companies

DIGIMEET 2019, organized by MITC, was a large one-day event that aimed to encourage and inspire manufacturing SME to further proceed with their digitalisation, presenting Swedish national policies and ambitions as well as large companies based in Sweden trends and support mechanism.

It was also an event where internationalisation activities were presented by DIA – European Digital Industry Alliance partners as well as large companies acceleration programmes from which start-ups and SME can benefit when going internationally.

After this widely participated event, fully conducted and moderated in English, MITC new facilities were officially opened and some of MITC partners technologies were highlighted during a cocktail.

An official dinner ended the journey and allowed the interaction between the participants and further representatives of local and regional authorities.

The aim of MITC is to establish the Mälardalen region as a competitive node for development, education and research in direct collaboration with the manufacturing industry. Areas of focus for are manufacturing, industrialisation, and product development with digitalisation and sustainability as cross-sectional areas. Lately particular focus is being put on advanced robotics, cyber-physical systems and artificial intelligence.