



European
Large-Scale Pilots
Programme

Workshops Series

CREATE the Next Generation IoT eXperience for the Future

IoT and Arts interaction and co-creation mechanisms

**STARTS Talk on “Is the IoT Ready for the Human Kind?
Introducing the Experience Readiness Level Protocol (ERL)”**

26 February 2019

Museum of Art, Architecture and Technology, Av. Brasília, Central Tejo 1300-598 Lisbon



IoT European Large-Scale Pilots Programme

STARTS Talks is a series of presentations and discussions, bringing together prominent practitioners and speakers to present their work and vision on highly relevant subject from a perspective of the interactions between Science, Technology and the ARTS.

European Commission has launched the STARTS initiative to promote the inclusion of artists in innovation projects. STARTS want to fully engage the creative forces that lie at the intersection of the arts with science and technology into innovation processes in Europe. (starts.eu)

STARTS Talks happen in direct interaction between STARTS and the IoT European Large-Scale Pilots Programme - LSP. The programme fosters the deployment of IoT solutions in the European Union by integrating advanced IoT technologies across markets value chains. It demonstrates multiple IoT applications in real life scenarios in large scales and in distinct contexts. The IoT European Large-Scale Pilots Programme is an investment of 100 million Euros for on the ground innovation.

The focus of the STARTS Talks is to highlight the relevance of artistic research for the industrial as well as for the science and technology sectors. The added value of collaborations between art, science, technology and business from different perspectives is our contribution for the creation of the Digital Single Market of the European Union.

The round-table discussion will develop around a case study artwork created within the LSP's programme. The Connected Hennerly is a provocative artwork applying technologies made available by the LSPs in an avant-garde post agricultural context. Also, ERL will be introduced, an emergent innovative protocol of matching technologies with human needs: the Experience Readiness Level. ERL was born in counter-point with the



Technology Readiness Level. TRL ponders the reliability of a technology from a point of view of the technology itself while ERL looks at a technology from a human perspective.

This STARTS Talks edition takes place in Lisbon with presentations and contributions by relevant players in the global creation of IoT.

Exploiting the combination of IoT and Art could support stimulating innovation and IoT technologies and applications acceptance and accelerate the developments for the next generation of IoT deployments and future funding programmes.

Workshops Program 26 February 2019

16:30 – 17:00	Registration (MAAT - Museum of Art, Architecture and Technology, Av. Brasília, Central Tejo 1300-598 Lisboa)
Meeting Room: Museum for Art, Architecture and Technology, EDP Foundation, Lisbon, Portugal	
IoT and Arts Interaction and Co-creation Mechanisms Session	
STARTS Talk on “Is the IoT Ready for the Human Kind? Introducing the Experience Readiness Level Protocol (ERL)”	
17.00 – 17:20	<i>The Connected Hennerly</i> Luís Miguel Girão
17.20 – 17:30	<i>The Connected Hennerly Q&A</i>
17:30 – 18:45	<i>Starts Talk Round Table - IoT from Arts perspective</i> Leonel Moura, Artist, Portugal Luís Lamela, Altice GoLab IoT, Portugal Luís Miguel Girão, Artshare, Portugal Moderator: Peter Wintlev-Jensen, EC, Belgium
18:45 – 19:00	<i>Panel Q&A</i>
19:30 – 21:00	Networking session and cocktails

Museum of Art, Architecture and Technology: <https://www.maat.pt/en>



IoT European Large-Scale Pilots Programme Projects



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ACTIVAGE - ACTIVATING INNOVATIVE IoT SMART LIVING ENVIRONMENTS FOR AGEING WELL - is building the first European interoperable and open IoT ecosystem enabling the deployment, at large scale, of a wide range of Active and Healthy Ageing IoT based solutions and services. To achieve this, ACTIVAGE is integrating thousands of devices to collect and analyse older adults' environmental and lifestyle information, identify their needs, and provide customized solutions, ensuring users' data privacy and security.



AUTOPILOT

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AUTOPILOT - AUTOMATED DRIVING PROGRESSED BY INTERNET OF THINGS – is developing an IoT connected vehicle platform and IoT architecture based on the existing and forthcoming standards, as well as open source and vendor solutions. The IoT ecosystem accommodates vehicles, road infrastructure and connected IoT objects, with particular attention to safety critical aspects of automated driving. The project develops a range of services combining autonomous driving and IoT, such as car sharing, autonomous valet parking, and better digital maps for autonomous vehicles.



CREATE-IoT

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CREATE-IoT - CROSS FERTILISATION THROUGH ALIGNMENT, SYNCHRONISATION AND EXCHANGES FOR IoT - CREATE-IoT's stimulate collaboration between IoT initiatives, foster the take up of IoT in Europe and support the development and growth of IoT ecosystems based on open technologies and platforms. The work focuses on synchronisation and alignment on strategic and operational terms through frequent, multi-directional exchanges between the various activities under the IoT Focus Areas and the road-mapping with international initiatives.



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IoF2020 - INTERNET OF FOOD AND FARM 2020 - is dedicated to accelerating the uptake of IoT technologies in the European farming and food chains and ultimately strengthening their competitiveness and sustainability. How? By demonstrating, together with end-users, the use of IoT in different use-cases spread throughout Europe, and focusing on 5 areas: dairy, meat, arable crops, fruits and vegetables. IoF2020 is designed to generate maximum impact right from the outset and in the long-run, bringing closer together and integrating the supply and demand sides of IoT technologies in the agri-food sector.



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[MONICA](#) - MANAGEMENT OF NETWORKED IoT WEARABLES – VERY LARGE-SCALE DEMONSTRATION OF CULTURAL AND SOCIETAL APPLICATIONS - is a large-scale demonstration of how cities can use existing and new IoT solutions to meet sound, noise and security challenges at big open-air cultural and sports events, which attract and affect many people. Innovations include the establishment of sound zones at outdoor concerts for noise mitigation as well as security measures improving crowd information and management.

SYNCHRONICITY

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[SynchroniCity](#) - DELIVERING AN IoT-ENABLED DIGITAL SINGLE MARKET FOR EUROPE AND BEYOND - brings together partners with worldwide outreach. The project represents the first attempt to deliver a digital single market for IoT-enabled urban services in Europe and beyond. With an already emerging foundation, based on OASC Minimal Interoperability Mechanism (MIMs), SynchroniCity will establish a reference architecture model for the envisioned IoT-enabled city market place with identified interoperability points and interfaces and data models for different verticals.

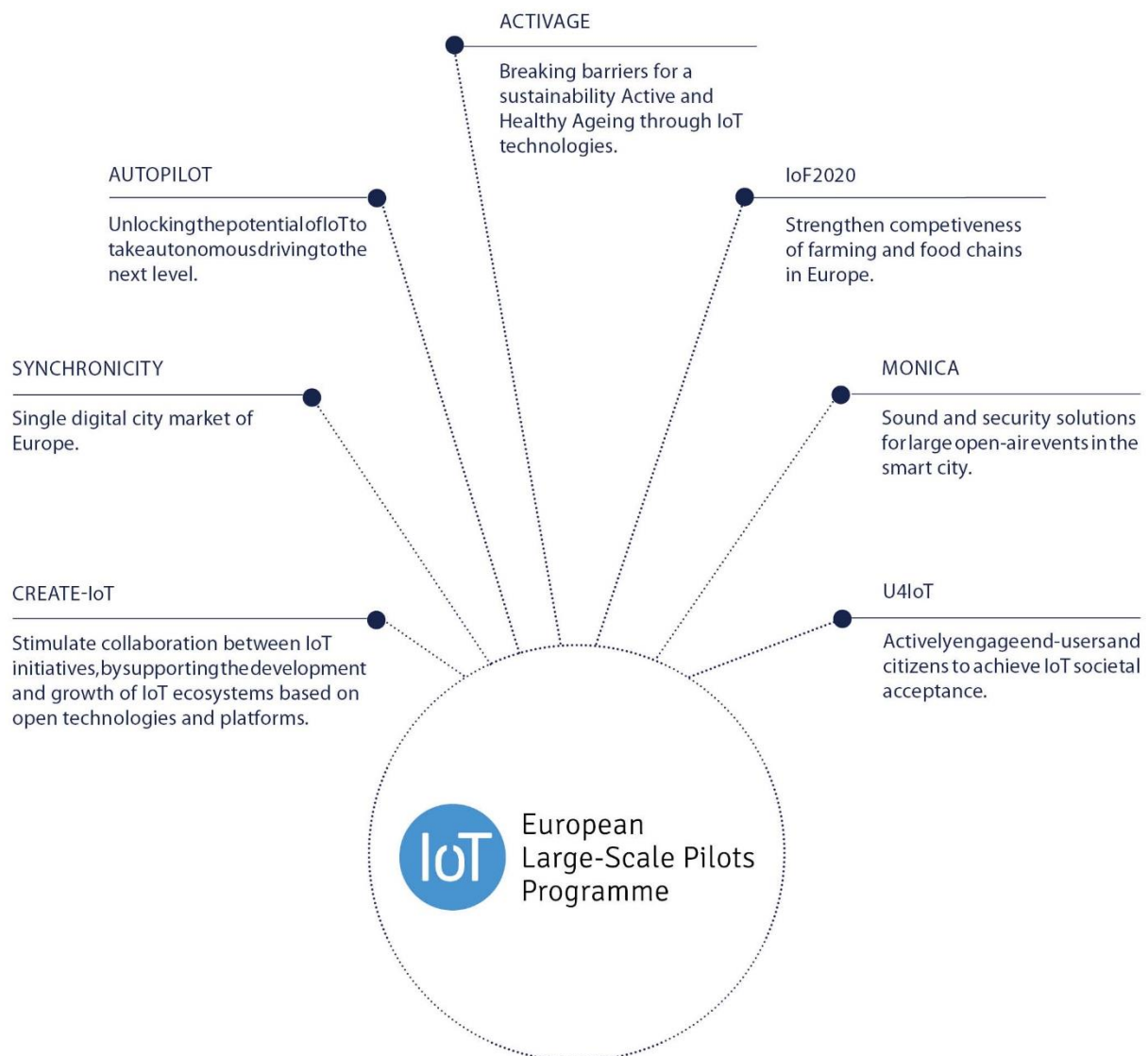


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[U4IoT](#) - USER ENGAGEMENT FOR LARGE SCALE PILOTS IN THE INTERNET OF THINGS - combines complementary Responsible Research and Innovation – Social Sciences and Humanities (RRI-SSH) expertise encompassing social and economic sciences, communication, crowdsourcing, living labs, co-creative workshops, meetups, and personal data protection to actively engage end-users and citizens in the large-scale pilots. U4IoT encompasses the whole lifecycle of end-user engagement in LSPs. Privacy-friendly crowdsourcing and survey tools enable to monitor the end-user perception and acceptance of IoT applications.



We are looking forward to seeing you in Lisbon!



To promote and foster the take-up of IoT in Europe and to enable the emergence of an economically sustainable IoT ecosystem, the IoT European Large-Scale Pilots Programme projects are seeking to involve the IoT community across the value chain, from supply side to demand side.

Welcome to the IoT European Large-Scale Pilots Programme

A vibrant research, innovation, development and deployment IoT ecosystem across Europe!