

CROSS FERTILISATION THROUGH ALIGNMENT, SYNCHRONISATION AND EXCHANGES FOR IoT

H2020 – CREATE-IoT Project

Deliverable 03.05

List of the IoT Community of Artists: a Wiki and brief report documenting selected IoT Arts-Science collaborations

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Dissemination level		
PU	Public	X
PP	Restricted to other programme participants (including the Commission Services)	
RE	Restricted to a group specified by the consortium (including the Commission Services)	
CO	Confidential, only for members of the consortium (including the Commission Services)	

Summary			
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Author(s)	J. Crouch (FE), A. Stratford (FE)		
Editor	L. M. Girao (ARTS)		
DoW	This document describes the intent and proposed structure of a publicly available Wiki which will showcase a selection of case studies of IoT Arts-Science collaborations in order to demonstrate the value of such artistic collaboration in business innovation. Case studies are related to the IoT ecology, and particularly, to one or more EU H2020 Large-Scale Pilots.		
Comments			
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Rev.	Date	Author	Description
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1. EXECUTIVE SUMMARY

1.1 Publishable summary

This report acts as a descriptor and pointer towards the Artist Wiki which constitutes Deliverable D03.05 of CREATE-IoT Work Package 3 (WP03).

The objectives of WP03 are to “address the creativity factors that will influence the IoT innovation, adoption and market penetration in different application areas covered by the pilots and across the various application domains”. To this end the Artist Wiki represents both a way-point and a signpost, showcasing current best practice through presentation of exemplar case studies which document concrete examples and demonstrate structural methodologies for future collaborations.

Deliverable D3.05 generates two outputs:

- This report
- Artists Wiki

1.2 Non-publishable information

n/a

2. INTRODUCTION

2.1 Scope and target group

This report discusses the creation and maintenance of an open Wiki to bring together a series of exemplar case studies of artists engaging with IoT technologies and technology partners to create challenging artistic interventions.

Initially, the Wiki is aimed squarely at the partner organisations of the EU Large Scale Pilots (LSPs) with the intention of providing useful pointers towards the goal of stimulating innovation, creativity and adoption within the IoT ecosphere via the integration of ICT and Art. To this end, the Artists Wiki represents both concept demonstrations and legacy documentation of ICT and Art collaboration in practice. The resource created will assist in the fostering of links between the LSPs by drawing direct lines between artistic collaboration and innovation goals, and by suggesting cross-sector commonalities.

Another stated goal of the CREATE-IoT Project is to “launch a common internet-based forum in which LSPs and other IoT stakeholders can access information and participate in ongoing activities”. The key output of Deliverable D03.05 is an extensible Artists Wiki, in effect an open database or resource. This Wiki will, therefore, form one strand of this collaborative aim, presenting inspirational examples and developing a repository of artist and business partners who are receptive to ICT and Arts innovation.

In addition, CREATE-IoT aims to “establish mechanisms for exchanging best practices, fast-track learning and sharing of lessons-learned on a technological and business level”. The Artist Wiki presents highly structured information around concrete ICT and Arts collaborations, providing tangible examples in a case study format.

The structure of the Artists Wiki will incorporate organisational elements from Deliverable D03.01 “Methodology for integrating ICT and Art”, demonstrating how a methodological structure can assist in the creation of innovation outputs from ICT and Art collaboration.

2.2 Relations to other activities in the project

2.2.1 INPUTS:

- The Artists Wiki draws content and process from Deliverable D03.01 “Methodology for integrating ICT and Art”.
- Certain exemplar case studies introduced in D03.01 are presented in the Artists Wiki. Using consistent formatting, and suggesting or indicating connections with other LSP partners, the information is streamlined for the purpose of advocating ICT and Art collaboration.
- Methodological elements of D03.01 are presented as a suggested route-map and structure for ICT and Art collaborations.
- Case studies will also be drawn from other WP3 deliverables (D03.07 “*Case Study on LSPs*”, D03.08 “*ARS Electronica Roundtable*” and D03.10 “*Open Prototyping Workshops*”)

2.2.2 OUTPUTS:

- The Artists Wiki offers a resource of active and engaged artists working within the IoT ecosystem, and as a repository for examples of effective ICT and Art collaboration, making the case for such collaboration as a successful innovation tactic.

- The Wiki format allows the resource to become extensible and maintained by its users, it is therefore anticipated that the database may serve as a de facto connector and archive for further ICT and Art collaborations under the STARTS / CREATE-IoT banner.

3. ARTIST WIKI – STRUCTURE

The Artist Wiki will present a series of exemplar case studies which serve as a backbone structure around which information on artists, technology and business collaborators, methodologies and other relevant information will be presented.

Links from the Artist Wiki to other Wiki projects created through the CREATE-IoT and LSP programmes will be highlighted in order to encourage cross-fertilisation between these projects and their stakeholders.

Links from the various pages comprising the Artist Wiki will also be made to content on the wider internet, in particular to relevant artist and business pages. These stakeholders will also be approached to create reciprocal links back to the Artist Wiki where possible.

3.1 Structure

A proposal for the structure of the Artist Wiki is that the individual case study pages operate as the backbone for information sharing. Each case study page will present specific information about its project, including artistic concept, technologies utilised, relevance to innovation goals and particularly to LSPs, and further audio/visual documentation. Each case study will briefly document the following: (1) Description of works (2) objectives of stakeholders, (3) methods and technologies utilised, and (4) learning achieved.

Further information common to a number of case studies (such as other relevant technologies, partners, or collaborative methods) will be documented in such a way that they will also act as guidelines for best practice. It is anticipated that methodology will act as the glue which binds together the individual case studies to form a coherent and pedagogically sound resource.

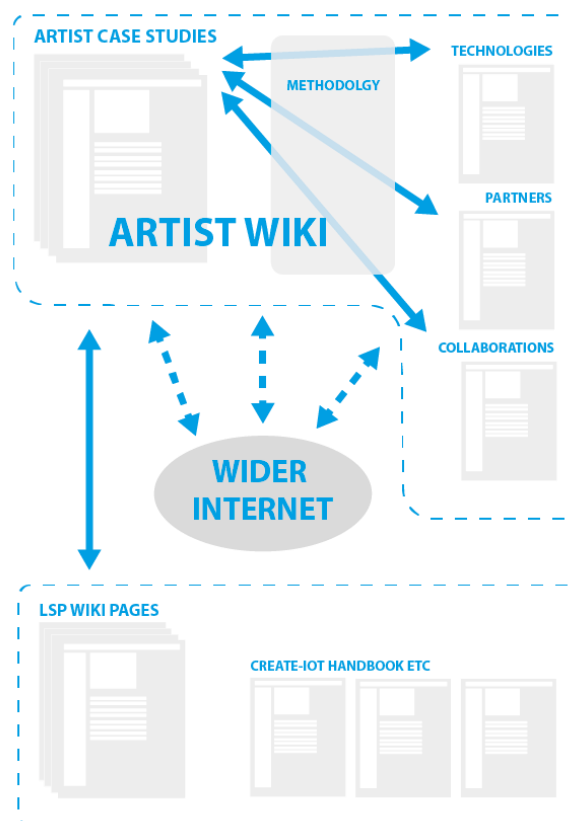


Figure 1: Example Wiki Structure

The Artist Wiki will be linked to other Wiki pages in the LSP ecosphere, particularly to other outputs of WP03. Navigational Menu items are proposed for the left-hand side of the wiki pages, these will include pages of particular interest to the LSPs and those which the WP partners consider to be of primary importance. A link to the Artists Wiki will be one of these significant links.

In common with many other Wiki sites, these pages will also link to content on the wider internet through the use of in-line links in the body of the text and in a references section where appropriate. It is anticipated, for example, that Case Study pages will link to Artists own web presence (web pages, social media presence) to ensure that the artists current practice is fairly represented.

3.2 Case Study Pages

Each Case Study page will comprise a brief outline of the selected project and its context as described in the previous section. As far as is possible, Audio / Visual material will be included either through in-line uploaded materials or linked content. Such materials serve to illustrate and intrigue, but also to emphasise as broadly as possible the scope of innovation practice available when combining ICT and Art.

A suggested layout is included here, although the final layout will be dependent on the underlying wiki technology, and on design decisions made during the creation process.

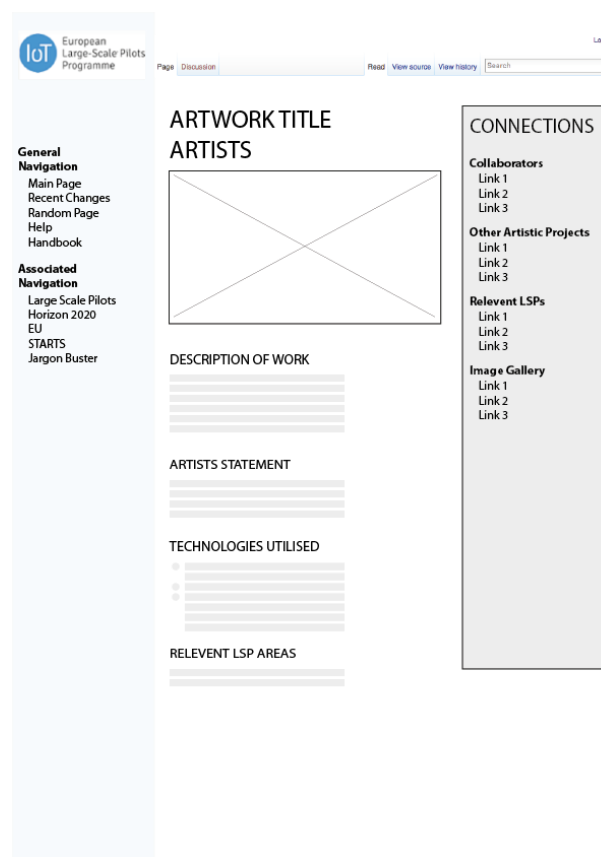


Figure 2: Sample format for Case Study page

As discussed earlier, core to the usefulness of the Artists Wiki is that these Case Study pages will provide brief but highly structured information about each project.

4. ARTIST WIKI - DEVELOPMENT

It is expected that an IoT Community of Artists will develop as a result of activities implementing the methodology for integrating ICT and Art in the LSPs. Thus, one purpose of the Artists Wiki is to highlight the development of this community through showcasing key projects as Case Studies. Another purpose of the Artist Wiki is to highlight more generally the value of ICT and Art collaboration as a driver for innovation.

4.1 Wiki Content

Case Studies will be initially be drawn from existing example of ICT and Art collaborations within the IoT ecology, and with specific regard to those involving the EU LSPs. Examples will include projects drawn from the curated programme *Next Things, Next Starts* [1], *VERTIGO STARTS* commissions and residencies [2], Future Everything's *Fault Lines* programme [3], and projects mentioned in the WP3 deliverable D03.01 "*Methodology for integrating ICT and Art*".

Other WP3 deliverables which will feed into the Artist Wiki will include:

- D03.07 "*Case Study on LSPs*"
- D03.08 "*ARS Electronica Roundtable*"
- D03.10 "*Open Prototyping Workshops*"

The Artists Wiki also represents an opportunity to include case studies which are unrelated to existing funding programmes, but which demonstrate best practice, and which can be used to signpost existing collaborative relationships and innovative projects which will be of interest to the LSPs.

4.2 Wiki Design Strategy

The Case Study pages and their surrounding infrastructure will be designed in such a way as to draw the users attention to demonstrable benefits of integrating artistic practice into innovative development within their own domain.

5. CONCLUSION

This report briefly outlines the scope of the Artists Wiki, describing the categories of content which will form Case Studies, the proposed structure and how the Artists Wiki will link into the other Create-IoT Wiki pages and to the wider Internet. The Artists Wiki will initially be populated with information from existing projects known to the consortium. Over time further projects will also be documented in order to create a richer and more valuable resource.

6. REFERENCES

- [1] Next Things, Next Starts Exhibition, Laboral, current [online] http://www.laboralcentrodearte.org/en/exposiciones/nt_ns [viewed: 13/06/2018]
- [2] Vertigo STARTS, current [online] <https://vertigo.starts.eu/calls/residencies/> [viewed: 02/03/2018]
- [3] Fault Lines, current [online] <http://futureeverything.org/news/fault-lines-artists-announced/> [viewed: 25/04/2018]