

# D5.6 – Hackathons and Users Community Workshops - Phase 1

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<sup>1</sup> **PU** = Public, **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).

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**Abbreviations**

EU	European Union
EC	European Commission
WP	Work Package

## 1 Introduction

This report focuses on the first phase of the yearly organized activities described in WP5, Task 5.1 in the EnTimeMent project. These activities include hackathon events and workshops actively involving users' communities, including the growing Qualisys users' community, and activities in collaboration with the third parties Global Disability Innovation Hub in London (<https://www.disabilityinnovation.com/>) and the WyLab incubator of sport technology startups in Genoa. The overall goals include the support of communities involving startups interested in movement sensing technology, designers and people with disabilities and academics from different universities and background interested in wearable sensing technology. The activities also investigate how EnTimeMent results can empower people's everyday life. In this first phase of the project, the main activities by the consortium are described in this document and include the following: the First EnTimeMent Workshop (September 2019), including a feasibility study on a future participation of EnTimeMent to the Music Tech Fest ([musictechfest.net](http://musictechfest.net)), the co-organization of the STARTS Workshop in Genoa (October 2019), the Qualisys Users Workshop (November 2019), and a feasibility study to participate to an event co-organized by GDI Hub and UCL at Tokyo Paralympic Games on 24 August 2020.

## 2 Activities in Phase 1

### 2.1 First EnTimeMent Workshop as part of the H2020 FET Future Tech Week (September 2019)

In occasion of the H2020 EU FET Future Tech Week, EnTimeMent presented its activities and objectives to invited stakeholders from industry and institutions.

The event started from one of the core element of EnTimeMent research: coordinating actions in time ("A tempo", in music) as a fundamental experience in music, dance, sport, rehabilitation, games, and work environments, the ability of humans to move together, to coordinate their activities in harmony. In the first part of the event, members of the consortium explained and presented demos on the main objectives of the project: to behave "a tempo" means to know the plurality of times involved in every action: from the short, microscopic times of the body that breathes and reacts, to the long times of the body that adapts itself and acquire knowledge in mutual non-linear interaction with others. "A tempo" means learning to understand the qualities of the gestures of others to predict possible outcomes, to discover in the present the echoes of the past, the seeds of the future. The Programme of the workshop included a presentation of the project with brief live demonstrations and videos, by the following partners: Nadia Berthouze (UCL), Antonio Camurri and Andrea Cera (UNIGE), Luciano Fadiga (IIT), with the participation of a dancer for the live demos on rehabilitation and entertainment fields (dancer Cora Gasparotti, Accademia Nazionale di Danza, Rome).

A Panel/Round Table, chaired by Federico Smanio (CEO of the Wylab third party) included presentations and discussions with Serena Bertolucci (Director of Palazzo Ducale, Genova), Giulia Barbareschi (GDI Hub, London), Vittorio Podestà (Paralympic Champion and Member of Paralympic Committee). The event had about 100 participants from industry, institutions, and students.

Web: <http://www.casapaganini.org/atempo/>

#### 2.1.1 Feasibility study for participation to Music Tech Fest

The Consortium invited Michela Magas to participate on Skype at the KickOff Meeting (January 2019). Subsequent meetings with Michela of the Coordinator Antonio Camurri and and with Qualisys at their premise in Gothenburg explored the possibility of participation to a

future edition of the Music Tech Fest (MTF) in the Phase 2 of the project. The initial hypothesis was to have the First EnTimeMent Workshop at MTF, then the Consortium decided to postpone possible participation to MTF to a future occasion.

Music Tech Fest (MTF) “is a growing global community of over 7000 innovators. These innovators come from a wide range of backgrounds, disciplines and skillsets. Many are academics – doctoral, postdoctoral and professorial; others are industry experts, scientists, professional artists, producers, curators, business executives, media professionals and more. The core purpose of MTF is to seed and support new ideas, new collaborations and new projects that go on to have a life beyond MTF – as research projects, products, businesses, artistic performances and inventions that would not otherwise have been created. MTF democratises innovation by placing creativity at the centre. It brings together arts and science, academia and industry in a space of common understanding – to use music as a social glue and a springboard to address grand challenges through curiosity, ingenuity and collaborative making.” (*source: musictechfest.net*)

MTF was founded by Michela Magas, “an innovation catalyst who bridges the worlds of science and art, design and technology, and academic research and industry, with a track record of over 25 years of innovation. She is innovation advisor to the European Commission and the G7 leaders, and the creator of the Industry Commons. In 2017 she was awarded European Woman Innovator of the Year and in 2016 she was presented with an Innovation Luminary Award for Creative Innovation.” (*source michelamagas.com/about*).

## **2.2 Combining science, technology and art for a new approach to innovation: the EU STARTS Event at Festival della Scienza, Genoa (October 2019)**

This workshop focused on research results on the interaction between contemporary art, science and technology, and included presentations and demos from the EnTimeMent project. The event was hosted at the UNIGE premise of Casa Paganini-InfoMus. This was a unique occasion to present early project results and goals to the STARTS community, and share their international experiences by research institutes, artists and pathfinder projects carried out within the European S+T+ARTS and FET initiatives under Horizon2020 Programme. The aim was to exchange ideas on how to develop new innovative processes out of the encounter between artists, engineers, and scientists, who normally work independently of each other, aiming at lead to actual project ideas for both industry and urban spaces.

This half-a-day workshop featured two different sections: “How Artists Envisage the Human Space” and “Art, Urban and Physics Experiences”.

Web: <https://www.startstalksingenova.eu/>

## **2.3 Qualisys Users Workshop**

User Group Meeting Engineering, Nov 11-13, 2019

User group meeting focusing on engineering applications of motion capture technology.

There was a total of 40 participants, Qualisys customers and professionals with an interest in motion capture applications in the field of engineering and biomechanics. The program included keynote presentations about digital manufacturing and smart mobility, as well as presentations and hands-on workshops about a variety of applications of mocap for engineering. The dissemination activities consisted of the distribution of flyers about the EnTimeMent project and discussions during open sessions with interested parties. One possible interesting collaboration that emerged was with the domestically funded (Wallenberg/Vinnova) project “The rise of social drones: A constructive design research agenda.” These possibilities will be explored further during the first quarter of 2020.

### **3 Plan of events in year 2**

#### **3.1 Event at Paralympic Games Tokyo 2020 – 24 August 2020**

The participation of EnTimeMent to an event organized by GDI Hub and UCL at Tokyo Paralympic Games on 24 August 2020 emerged at the round table of the “A Tempo!” Workshop on September 2019 (see previous section). Various alternatives of participation of the project to this event were analyzed. GDI Hub, UCL and the Coordinator had several meetings, involving also the local organizers (Keio University) where these alternatives were discussed.

The participation of EnTimeMent to this Paralympic Games event will be the following: a talk TED-like will be given by Giulia Barbareschi (GDI Hub). Partners will prepare short video material for this presentation from main results of the project. Materials for stakeholders participating to the event will be prepared (e.g., a Usb memory containing videos, communication material), with a main focus on applications on sports, performing arts and disability (cognitive and motor disability, depression, anxiety). Videos will have explanatory audio for blind people participating to the event.

#### **3.2 Festival della Scienza (Festival of Science), Genoa, Oct 22-Nov 1st**

A half-day or full-day event, as a follow-up from the Tokyo event.

#### **3.3 Project Workshop at Qualisys, Gothenburg, date to be defined (Fall 2020)**

Qualisys hosted workshop/project meeting. Qualisys will invite stakeholders external to the consortium. Date to be defined.

#### **3.4 EnTimeMent organization of a Workshop at ACM ICMI 2020**

As part of the dissemination plan for the project, a workshop proposal submitted to the ACM ICMI (Intl Conference on Multimodal Interaction) was accepted: EnTimeMent will organize a workshop at ACM ICMI that will take place in October in Utrecht (NL). During the workshop, a keynote presentation by Beatrice De Gelder will afford the opportunity to illustrate the project to the scientific community. Furthermore, researchers and practitioners from outside the EnTimeMent consortium will be invited to participate by presenting their work during paper presentations (papers will be selected through a peer-review process) or by joining the roundtable discussion with partners from the consortium that will conclude the workshop program.

#### **3.5 Participation of EnTimeMent to artistic events of Philip Beesley (UW)**

Philip Beesley (UW) will participate with an artistic installation (Living Architecture) to the Biennale Architettura in Venice. Beatrice de Gelder investigated with the Director of Biennale di Venezia the feasibility of a Workshop/Conference on EnTimeMent, involving also external invited stakeholders. The participation of the project to the Biennale in 2020 is not possible. The Consortium is exploring the possibility to participate to other events organized by WU: TU Delft, November 2020, and the Futurium Noosphere, Berlin, 2021