STARTS RESIDENCIES DAYS
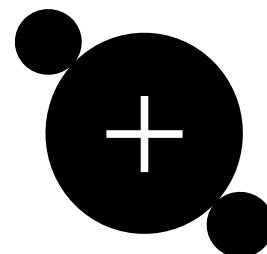# March 27 & 28, 2019

2-8 PM, CENTRE POMPIDOU, PETITE SALLE
FREE ENTRANCE

Art/Science collaboration in Europe:
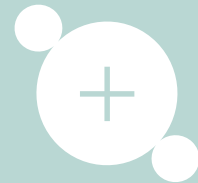**Art as a driver for technological innovation**

S+T+ARTS
RESIDENCIES

PRESS RELEASE

S+T+ARTS

RESIDENCIES

PRESS OFFICER
OPUS 64
VALÉRIE SAMUEL
CLAIRE FABRE
+33 (0)1 40 26 77 94
C.FABRE@OPUS64.COM

STARTS Residencies Days

STARTS

STARTS (Science, Technology, and the ARTS) Initiative, launched by the European Commission – DG CONNECT – promotes the inclusion of artists in innovation projects. It aims to remove the boundaries between art and engineering to stimulate creativity and innovation.

STARTS Residencies

STARTS Residencies is one of the STARTS Pillars. This programme is to support and fund between 2017 and 2020, 45 artistic residencies that bring original artistic contributions to technology-based research projects. During each STARTS Residency, a tech project collaborates with an artist, leading to the creation of an original artwork, and to the development of the innovative aspects of the tech research. A grant (up to 30,000€) is awarded to the artist of each STARTS Residency as a contribution to her/his involvement in the residencies programme. Additional support to the residency can also be brought by a producer.

STARTS Residencies Days

The STARTS Residencies Days are organized by the STARTS Residencies European Program coordinated by IRCAM. The results of this program of collaboration of artists with technological projects throughout Europe will be presented through contributions by 30 artists and researchers involved, roundtables and participatory events. The laureates of the third call are to be announced and the new modes of contribution of artists to innovation processes will be discussed with the heads of institutions and communities involved.

Mutations / Creations and the Vertigo Forum

The STARTS Residencies Days are organized as part of the VERTIGO Forum, a series of symposia and societal debates on art-science relationships at Centre Pompidou from March 27th to 30th on the theme "La Fabrique du Vivant" together with the exhibitions "La Fabrique du Vivant" and "Erika Verzutti" which constitute the 2019 edition of Mutations / Creations, a joint yearly event by Centre Pompidou and IRCAM.

Programme
Wednesday, March 27

2 PM

Introduction

HUGUES VINET
(IRCAM, STARTS RESIDENCIES
PROJECT COORDINATOR)

2:15 PM

New Physics

Presentation of residencies:

Atom Chasm
Sci-Fi Miners
Spelaion
Print Your City
Orbital River Station

15h15

"Close the loop"
Panel Discussion: assessment
of the first residency round

This panel gathers contributions by artists
and researchers involved in the first stage
of STARTS Residencies and who completed
their collaborations in order to establish
a first feedback on the program and on
the collaboration modes it has enabled.

In Song of Soil

KASIA MOLGA (ARTIST)
AND **FEIMATTA CONTEH** (PROGRAMME
MANAGER - FUTUREEVERYTHING)

Magic Lining

KRISTI KUUSK (ARTIST)
AND **ANA TAJADURA JIMENEZ** (RESEARCHER,
UNIVERSIDAD CARLOS III DE MADRID)

Blueprints for an emergent personality

KATE ASPINALL (ARTIST)
AND **GEMMA BOLEDA** (RESEARCHER,
UNIVERSITAT POMPEU FABRA)

4 PM

Mixed Reality

Presentation of residencies:

Froth of the Daydream
Immersive Minimalism
My fears murmured to you
Sleep in the City

5 PM

Presentation of the STARTS
lighthouse pilots and their
residency opportunities

5:30 PM

Future STARTS Here
Pitch Session on
art+tech+science projects

▶ Watch live on Youtube!
All round tables are broadcast
live on Ircam's Channel.

Thursday, March 28

2 PM

Participatory Performance Pollution Explorers by Ling Tan

In this public performance designed by artist Ling Tan in the neighborhood of Centre Pompidou, 20 adult participants will be proposed to wear connected clothes developed in the project and express through gesture their subjective feeling of the air pollution, contributing to a collective artistic situation.

3 PM

Panel discussion on participatory design

Artists, designers and curators specialists of participatory design are gathered in order to present their related projects and experience feedbacks.

LARISA BLAZIC
(ARTISTE, DATA UNION FORK)

CLARE PATEY
(DIRECTOR, EMPATHY MUSEUM)

PANOS SAKKAS AND **FOTEINI SETAKI**
(ARTISTS, PRINT YOUR CITY)

LING TAN
(ARTIST, POLLUTION EXPLORERS)

MODERATOR
RAMA GHEERAWO
(DIRECTOR, THE HELEN HAMLYN CENTRE FOR DESIGN)

4 PM

Augmented experiences

Presentation of residencies:

Embryonic
Transhuman Expression
Chatroom of things
Wind Avatar
Data Union Fork – Tools for Data Strike

5:30 PM

Announcement of the laureates of the third call for STARTS Residencies

6:30 PM TO 8 PM

Panel: Art and technology: Disruptive Frames

This high-level concluding round table bringing together industry leaders, designers and scientists takes stock of latest experiments involving artists in disruptive innovation processes.

PIERRE J. MAGISTRETTI
(PROFESSOR OF NEUROPHYSIOLOGY, PRESIDENT, INTERNATIONAL BRAIN RESEARCH ORGANIZATION)

SILVIO NAPOLI
(CHAIRMAN OF THE BOARD, SCHINDLER HOLDING LTD)

LIZA PRZIODA
(PROJECT INNOVATION MANAGEMENT GLOBAL, BOSCH)

ANNELIEK SIJBRANDIJ
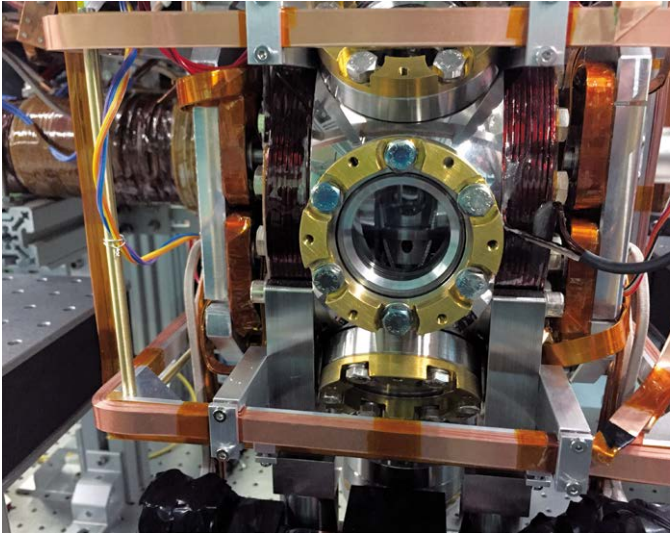(FOUNDER AND PRESIDENT OF THE VERBIER ART SUMMIT)

MODERATOR
NICOLAS HENCHOZ
(DIRECTOR, EPFL+ECAL LAB)

2017-2019 Residencies

18 Residencies resulting from the first
and second calls for tech projects and artists

ART ATOM X EVELINA DOMINITCH & DMITRY GELFAND
ATOM CHASM

In collaboration with the 5th Physical Institute of Stuttgart University, the artists propose to develop Atom Chasm, a laser-cooled atom observatory probing the slippery frontier between quantum and quotidian reality. The first artwork to ever be presented on the atomic scale, Atom Chasm will be an immersive ion trap installation, enabling audiences to intimately confront such paradoxical phenomena as quantum jumps and the symmetry breaking of the early universe.

RESIDENCY FROM OCT, 2018 TO MAR, 2020 – THE NETHERLANDS

CRITCAT X JOÃO MARTINHO MOURA
SCI-FI MINERS

The platinum group metals are noble and precious elements, important in modern manufacturing and in ICT industry in particular. As their availability is critical, CritCat aims at developing new catalyst nanoparticles from Earth-abundant materials for hydrogen-based clean energy applications. The artist intends to work with the data generated with the study of the main parameters of the nanoparticle catalysts. He intends to turn those concepts accessible to the general public, through interactions, immersive experiences and gameplay.

RESIDENCY FROM SEPT, 2018 TO APR, 2019 – PORTUGAL

DEAN X COLLECTIF TOAST
SPELAION

Spelaion offers the public to explore and interact with an ever-changing surface. This surface, made out of a new and intelligent material, hangs from the ceiling. The public is invited to enter the space underneath the surface and interact with the material by moving. Together, people influence the surface and create shapes that simulate geological formations found in caves. Each individual interaction adds up to create a collective piece.

**RESIDENCY** FROM SEPT, 2018 TO MAR, 2020 – FRANCE

PTWIST X THE NEW RAW
PRINT YOUR CITY

In the project Print Your City, urban dwellers transform their plastic waste into raw material for public space, creating a circular stream within the city. This is achieved by recycling household plastic waste with robotic-3d-printing and producing components that upgrade the built environment through citizen involvement and the principles of circular economy.

**RESIDENCY** FROM AUG, 2018 TO JULY, 2019 – SWITZERLAND
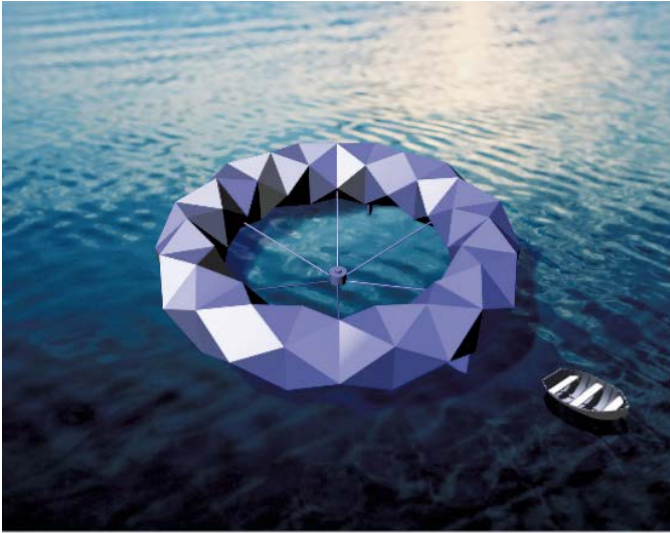
NANO2WATER X HEHE
O.R.S

O.R.S. (Orbital River Station) is a large-scale floating sculpture. Its form and colour resemble an oversized life ring used to rescue people in water. O.R.S. is an "observatorium", a vehicle for collecting and analysing environmental information. Observations about the water are made directly in the river itself. O.R.S. collects data about velocity of the river current, monitors water quality and identifies pollutants with analog and digital devices.

RESIDENCY FROM NOV, 2018 TO SEPT, 2019 – PORTUGAL
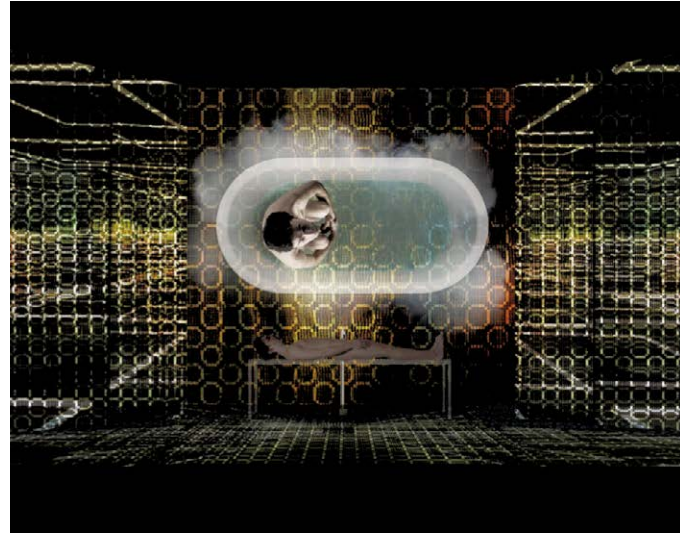
LE CUBE X JULIE DESMET WEAVER
FROTH OF THE DAYDREAM

The challenge of the project is to prototype an immersive and interactive content for collective virtual reality based on the artist's scenarios of *Froth of the Daydream* by Boris Vian: imagining and realizing together an experience using 360° projection and both individual and crowd interactive technologies (Motion Capture, leap motion, gesture recognition, audiometer, augmented reality) to serve the artistic project and create a sensitive and emotional experience for the public.

RESIDENCY FROM JULY, 2018 TO JULY, 2019 – FRANCE

IMMERSIFY X THERESA SCHUBERT
IMMERSIVE MINIMALISM

Immersive Minimalism investigates the mechanisms of immersion and its basic principles through a series of custom-developed studies established on theories of perception that aim at (re-) defining methods of immersion. Based on these findings the artist wants to create an immersive environment called "vibrant matter" of micro-macro landscapes with real UHD video footage in combination with digital generative graphics depicting non-human life.

RESIDENCY FROM NOV, 2018 TO JUN, 2019 – POLAND

VIRTUAL CLOSE UP
X LAURENT BAZIN 3D
MY FEARS MURMURED TO YOU

While working with Virtual Close Up by Gengiskhan, Laurent Bazin would like to demonstrate that it is possible to shoot simple yet overwhelming things in immersive filmmaking, if and only if we have the technological means to capture them. If these details can be caught with a 360º camera, then one will be able to tell very delicate stories, filled with unsaid things and without resorting to dry emphasis.

RESIDENCY FROM OCT, 2018 TO JAN, 2020 – FRANCE
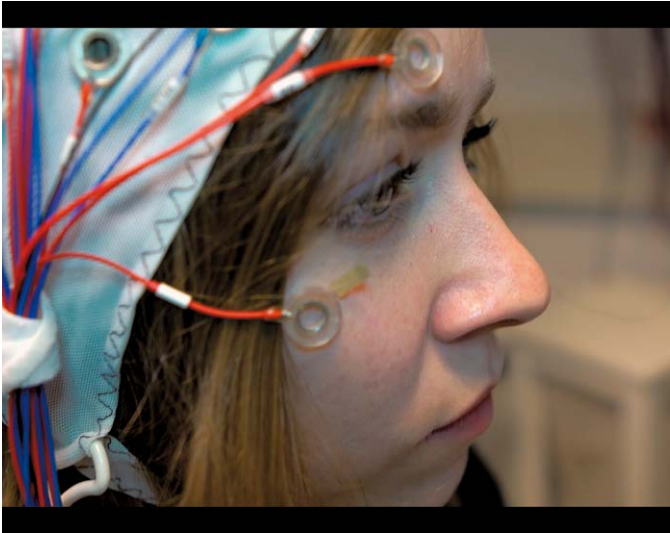
DANCE X HASEEB AHMED
WIND AVATAR

Working with the Brain and Emotion Lab, the project Wind Avatar creates an artistic experience of the body with the wind. Body movements express emotion in subtle and highly coded ways. The practices of dance stabilize the expression of emotion into patterns of movement. The Wind Avatar creates a direct relationship between these patterns of expressive body movement in dance and turbulence patterns in the wind and allow a person to literally inhabit the wind and its freedom.

RESIDENCY FROM SEPT, 2017 TO FEB, 2019 – BELGIUM

3D PRIME X VALERIA ABENDROTH
EMBRYONIC

With the objective of improving the learning process and training of medical students and professionals, 3D PRIME has started a project to produce realistic and accurate 3D models of a particular patient. Embryonic will be a three-dimensional, interactive room installation that represents a developmental laboratory, including biomorphic sculptures that seem to be alive and growing. These sculptures are being developed in cooperation with the development team of 3D PRIME and the artist.

RESIDENCY FROM JAN, 2019 TO JUL, 2019 – GERMANY
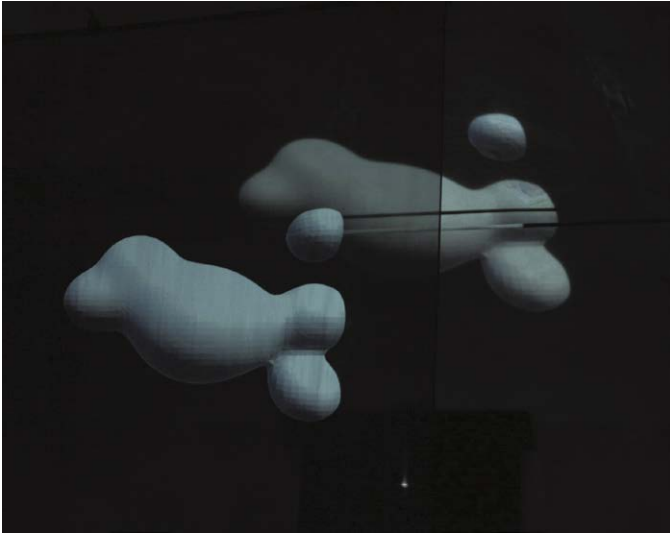
WE DRAW X LIAT GRAYVER
TRANSHUMAN EXPRESSION

Transhuman Expression investigates the relation between the physical actions and the visual representation. It aims is to create a new artistic tool to teach kids concepts of arithmetic and geometry. This is achieved by exploring behavioural and decision-making patterns by extracting them from the underlining logic of our physical behaviour, revealing mathematical and geometrical components.

RESIDENCY FROM SEPT, 2018 TO DEC, 2018 – ITALY

CREATE-IOT X SO KANNO
CHATROOM OF THINGS

Computing processes are becoming invisible and possible to embed in most of everyday object without visual awareness. The ideal showroom of IoT is a two-part composition. The room is made with state-of-the-art technology. And the system tries to capture information from participants as much as possible while exposing them the related messages from connected objects. With this installation, participants experience both of observed and observing sides.

RESIDENCY FROM JAN, 2018 TO FEB, 2019 – NORWAY
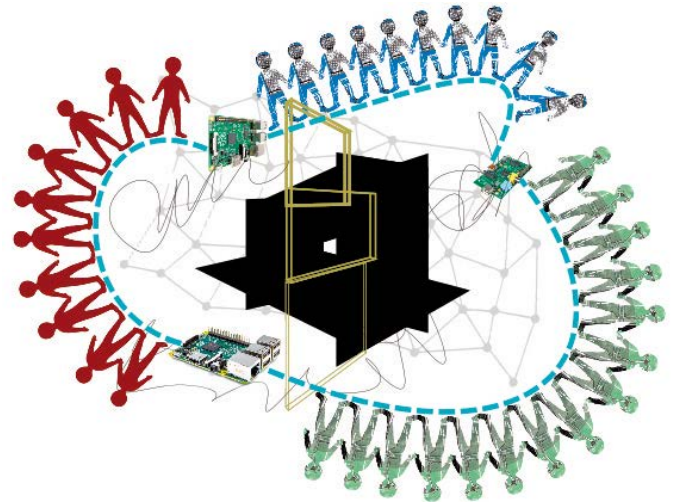
## AARHUS CITY LAB X WALID BREIDI & VIRGILE NOVARINA
SLEEP IN THE CITY

The aim of the project is to sensitize people to the profound importance of sleep through performance, interactive art and network. The idea is to connect city sleep with networks and open data in order to create interactive poetic videos projected all around the city in real time during the participants' sleep time.

RESIDENCY FROM OCT, 2018 TO JUL, 2019 – DENMARK

DECODE X LARISA BLAZIC
DATA UNION FORK: TOOLS FOR DATA STRIKE

There is enough evidence of a need for mass organised collective action regarding data: to defend and manage personal and population-wide data. This organisation should come "from below". Data Union fork - tools for data strike is an idea building on DECODE OS, blockchain-based, operating system and nodes for decentralised ownership and control of data. It is a proposal to conceptualise, articulate and co-create an assertive "smart contract" model enabling additional protective layer for citizens' digital rights whilst promoting solidarity and mutual aid.

RESIDENCY FROM SEPT, 2018 TO JAN, 2020 – THE NETHERLANDS
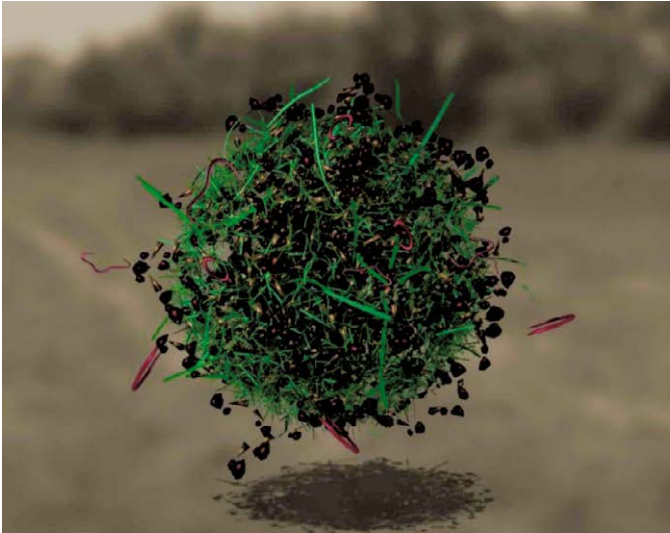
GROW X KASIA MOLGA
IN SONG OF SOIL

A large-scale durational installation piece created by Kasia Molga in collaboration with sound artist Robin Rimbaud - Scanner dealing with soil condition and biodiversity. In Song of Soil (working title) - a playground for earthworms - healthy soil full of micro-organisms, microbes, bacteria and earthworms will resurrect dead soil. This will be transmitted to the visitor through audio and visual means, creating a multi-sensory experience which gives voice to sound of life.

RESIDENCY FROM NOV, 2017 TO MARCH, 2019 – SCOTLAND

AMORE X THEO
BLUEPRINTS FOR AN EMERGENT PERSONALITY

Theo approaches the AMORE computational system as an infant consciousness developing its cognitive abilities. Theo translates the responses of the system into data points and emotive sketches suggested by these slippages. The artist then presents this data to child psychology and development specialists in order to build a picture of the personality behind them and finally construct images of a mature and embodied self.

RESIDENCY FROM MARCH, 2017 TO DEC, 2018 – SPAIN

HACKAIR X LING TAN
POLLUTION EXPLORERS

Pollution Explorers is a participatory project co-created with the hackAIR community to help citizens make sense of the complex issues around air pollution. Made up of a series of kit-of-parts experimental wearable devices that incorporate hackAIR sensors and body gesture technology, it enables users to contribute data to the hackAIR community through measuring situated air quality and at the same time, record their subjective perception of the quality of air in their environment.

RESIDENCY FROM OCT, 2017 TO DEC, 2018 – THE UNITED KINGDOM

MAGIC SHOES X KRISTI KUUSK
MAGIC LINING

Magic Lining builds on the insights from MAGICSHOES project and proposes a garment that allows the wearers to feel as if their body was made of a different material. In the intersection of neuroscience research on mental body-representation, human-computer interaction and real-life smart textile applications, the project asks questions about the meaning of clothing.

RESIDENCY FROM NOV, 2017 TO AUG, 2018 – SPAIN

**MEMBERS OF
STARTS RESIDENCIES CONSORTIUM**

ARTSHARE (PT)
ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE (CH)
FRAUNHOFER GROUP INFORMATION
AND COMMUNICATION TECHNOLOGIES (DE)
FRENCH TECH CULTURE (FR)
INOVA+ (PT)
IRCAM (FR)
LIBELIUM (ES)

VERTIGO.STARTS@IRCAM.FR
WWW.STARTS.EU/RESIDENCIES
#STARTSEU
FOLLOW US