



EUROPEAN COMMISSION
JOINT RESEARCH CENTRE

Directorate A – Strategy and Work Programme Coordination

Preparatory workshop for the RESONANCES III Festival

on

BIG DATA

Milan, 20 October 2017

09:00-17:30

Science and Technology Museum "Leonardo da Vinci"

Via S. Vittore 21 - 20123 Milan, IT

The JRC SciArt Programme

The **Joint Research Centre** (JRC) is the in-house science service of the European Commission and supports policy makers with robust science. With the realisation that in a fast developing globalized world processes are becoming increasingly complex and require innovative, transdisciplinary thinking, the JRC has recently launched its SciArt - Science and Art Programme.

As part of the SciArt process, we invite artists to join up with our scientists to discuss, reflect, innovate, and put our research into context, so that we can provide our policy makers with the facts as well as an encompassing analysis – looked at from different angles and perspectives.

The Resonances

The flagship of the SciArt Programme is the **Resonances Fair**, which marks the endpoint of a 1 year cycle during which artists have engaged with JRC scientists, where the outcomes are shown, discussed and celebrated. The first Resonances Festival was organized in 2015 as part of the EXPO 2015 in Milan on the topic of **FOOD**. This year's Resonances II addresses **FAIRNESS** and starts in the JRC from 13-15 September before the exhibition moves to the Science and Technology Museum in Milan from 21 September to 22 October. Resonances II illustrates 16 SciArt installations and performances (see <https://ec.europa.eu/jrc/en/event/exhibition/resonances-ii-exhibition-fairfair> and the link to the current Resonances II exhibition <http://www.museoscienza.org/attivita/mostre/resonancesII/>)

The preparatory workshop for Resonances III

After Resonances is before Resonances: JRC is inviting participants to the **Preparatory Workshop for the next Resonances III** on the topic of Big Data. The workshop is held on 20 October in the Leonardo da Vinci Science and Technology Museum in Milan to allow the participants to visit the Resonances II and to brainstorm with us on the angle for the next Resonances cycle on Big Data.

With a few presentations to set the scene and mostly interactive breakout groups we want to discuss with artists, scientists and experts the three "W"

- **What** is Big Data, what are its known and unexpected sources?
- **Where** and how is Big Data transforming our society, our lives and even our very self to the better and the worse?
- **Who** are we going to be in the future when Big Data has enabled scientists, engineers, doctors, experts to transform our societies, our work, our economies, our bodies, our agriculture, our security, our thinking? By helping us finding the angle under which the JRC, as DG of the European Commission, should address the topic of Big Data,

participants to the workshop have the unique opportunity to inject innovative ideas into the EU policy making.

Following the Preparatory workshop in October (step 1) we will be shaping the Programme and launch an open call of expression of interest to artists to participate *to the 2018 Resonances Summer school* (Step 2) where Artists and scientists will meet, pair up and propose their projects to be developed for the Resonances III Fair in 2019. (Step 3)

Programme

08:30	09:00	Arrival
Setting the Scene		
09:00	09:10	Welcome (J. Thielen-del Pozo, A. Eeckels, JRC)
09:10	09:30	Big Data and Digital Transformation at JRC (A. Annoni & P. Soille, JRC)
09:30	09:50	Artificial Intelligence – a science and art point of view (L. Steels, VUB)
09:50	10:10	The role of SciArt in our Society (L. Autogena and J. Portway, Autogena)
<i>10:30</i>	<i>11:00</i>	<i>Face to face during coffee and tea break</i>
Big Data Ecosystem		
11:00	11:10	Big Data – as we know it (F. Pappenberger, ECMWF)
11:10	11:20	Big Data: correlation or causality? (F. Tamburini*, ZKM)
11:20	11:30	Social Media: Challenges and Opportunities (I. Vollbracht, JRC)
11:30	12:30	Breakout groups
<i>Lunch and visit of Resonances II</i>		
Big Data and the Digital Transformation		
14:30	14:40	Digital Transformation in Economy and Business (G. Mueller-Seitz, Univ. Kaiserslautern)
14:40	14:50	SkypeLab: Transcontinental Faces, Spaces and Objects (H. Eichinger, Univ. Reutlingen)
14:50	15:00	Games and the perception of our world (J. Portway, Autogena)
15:00	15:10	How creative can machines become (R. Ramirez, Univ. Barcelona)
15:10	16:15	Breakout groups
<i>16:15</i>	<i>16:45</i>	<i>Coffee and tea break</i>
16:45	17:30	Report from Breakout groups and discussion: What angle for the Resonances III festival?

* Resident scientist of the ZKM, with Freddy Paul Grunert (ZKM) as curator, and with the collaboration of Cristina Fiordimela, MSC/ZKM

Useful links and information

Location

The Leonardo da Vinci Museum is just outside the city centre about 20 min walk from the Duomo di Milano.

Airports:

Milan has three airports: Malpensa, Linate and Bergamo. From Malpensa to Linate the travelling time is about 1 hour by public transport and between 30-45 min by taxi. From Bergamo travel time is about 2 hours by public transport and 1 hour by taxi.

The Leonardo Da Vinci Museum:

Address: *Via S. Vittore 21 - 20123 Milan, IT*

Link: <http://www.museoscienza.org/english/museum/contacts.asp>

Hotels:

There are numerous hotels towards the centre of Milan. A block booking has not been made.

For those combining the workshop with other meetings to the JRC can request a reservation by our secretariat (jrc-a5-sec@ec.europa.eu) and be transferred to the Museum with JRC transport service.

Contact : JRC-A5-SEC@ec.europa.eu