

MUON'S  
IMAGINARY

# ミューンズの想像力



<https://youtu.be/O5g5FFkxOEE>

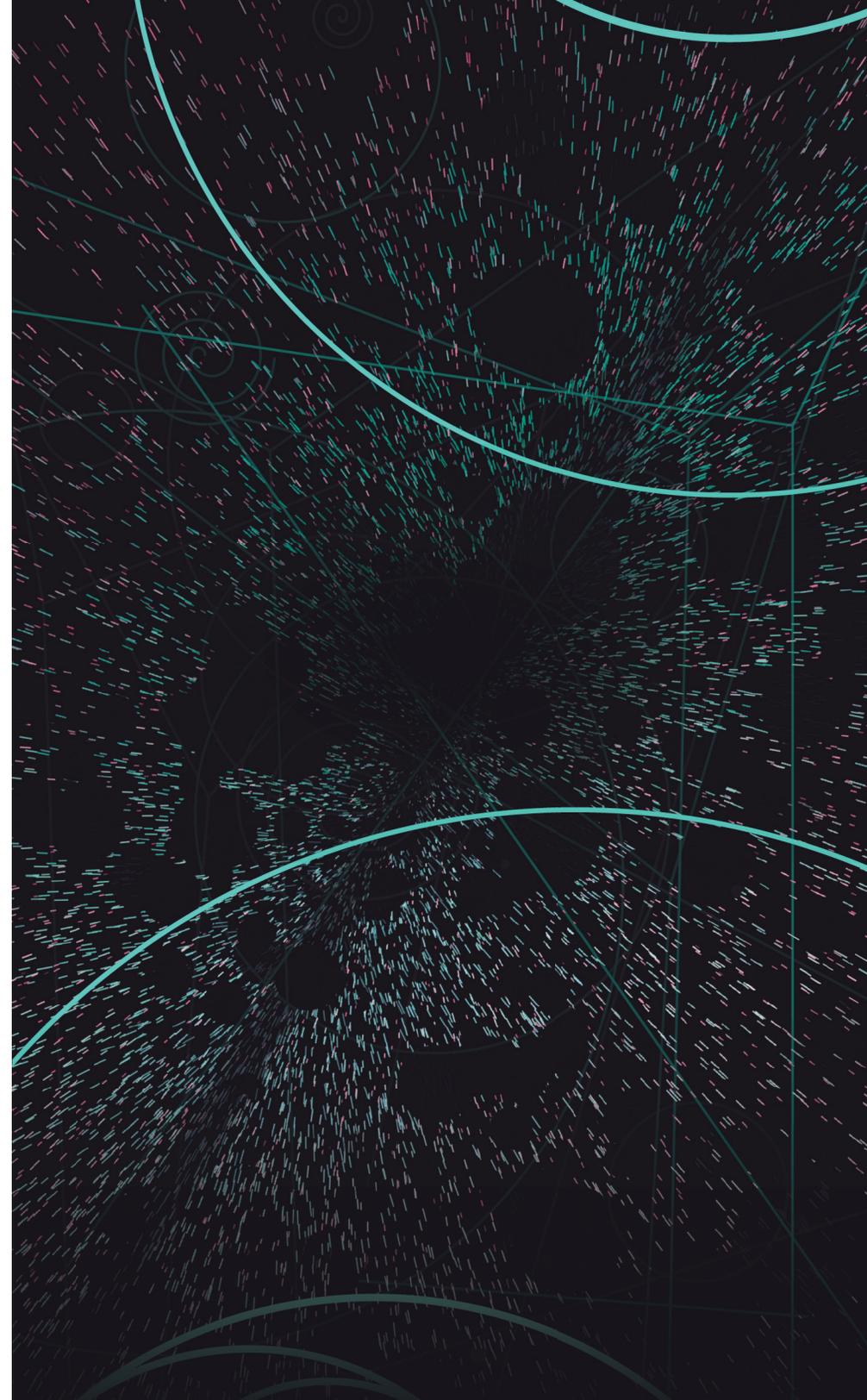


Every two seconds a muon passes through our hands. Muons are formed during particle showers, produced when high-energy cosmic ray particles collide with an atomic nucleus of atmospheric gas, releasing elementary particles that move toward the Earth's surface.

The muon is negatively charged and its mass is about 200 times that of an electron. Muons have a half-life time of 2.2 microseconds, and only due to the relativistic effect, described by Albert Einstein, muons travel not only 1 km after their creation in the atmosphere, but 14 km and reach the surface and the depths of the earth. These muons are used by scientists to take pictures of the internal structures of large objects such as mountains, volcanoes, or pyramids.

The image of a muon passing through a cloud of gas in the cloud chamber is inevitably an analogy to drawing, abstract painting, free verse poetry and so many other images that we recognize from an artistic perspective as valuable, not only for their aesthetic power, but also because of the poetic nature of its reality: A gas cloud that allows us to see, with our human eyes, without the need for a tool (such as a telescope or a microscope) literally the path of a particle that comes from the cosmos as it passes through the gas the same way it could pass through our body.

With this project we start our collaboration with Muographix, International Organization for Research in Muography, located in Tokyo, Japan and art@CMS. This organization, which is part of the University of Tokyo, generates and disseminates research and resources on muography at a global level, collaborating with university communities, physics research centers and creating transdisciplinary links with artistic networks around the world, such as art@CMS and now Suratómica.



# MUONS & ARTS



# SCHEDULE & METODOLOGY

## **First Week:**

### Pre-Launching of Open Call:

During one week we will share information about Muographix, muography, muography-art and muon-science to create expectation of the launch of the collaboration.

## **Second and third week:**

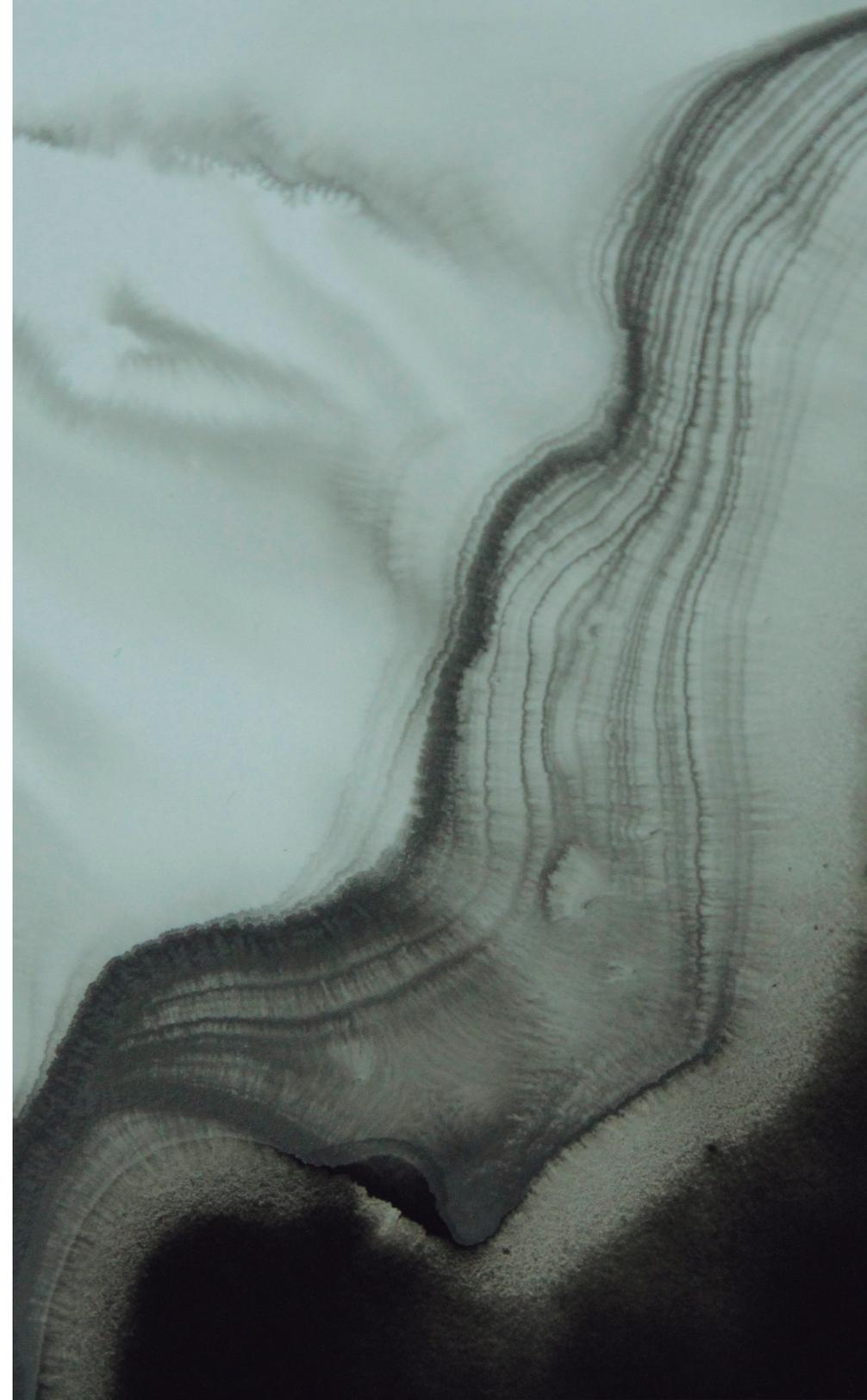
Launch of the collaboration and Open Call of two weeks. We launch the topic of the collaboration, information about the open call, and we start receiving ideas.

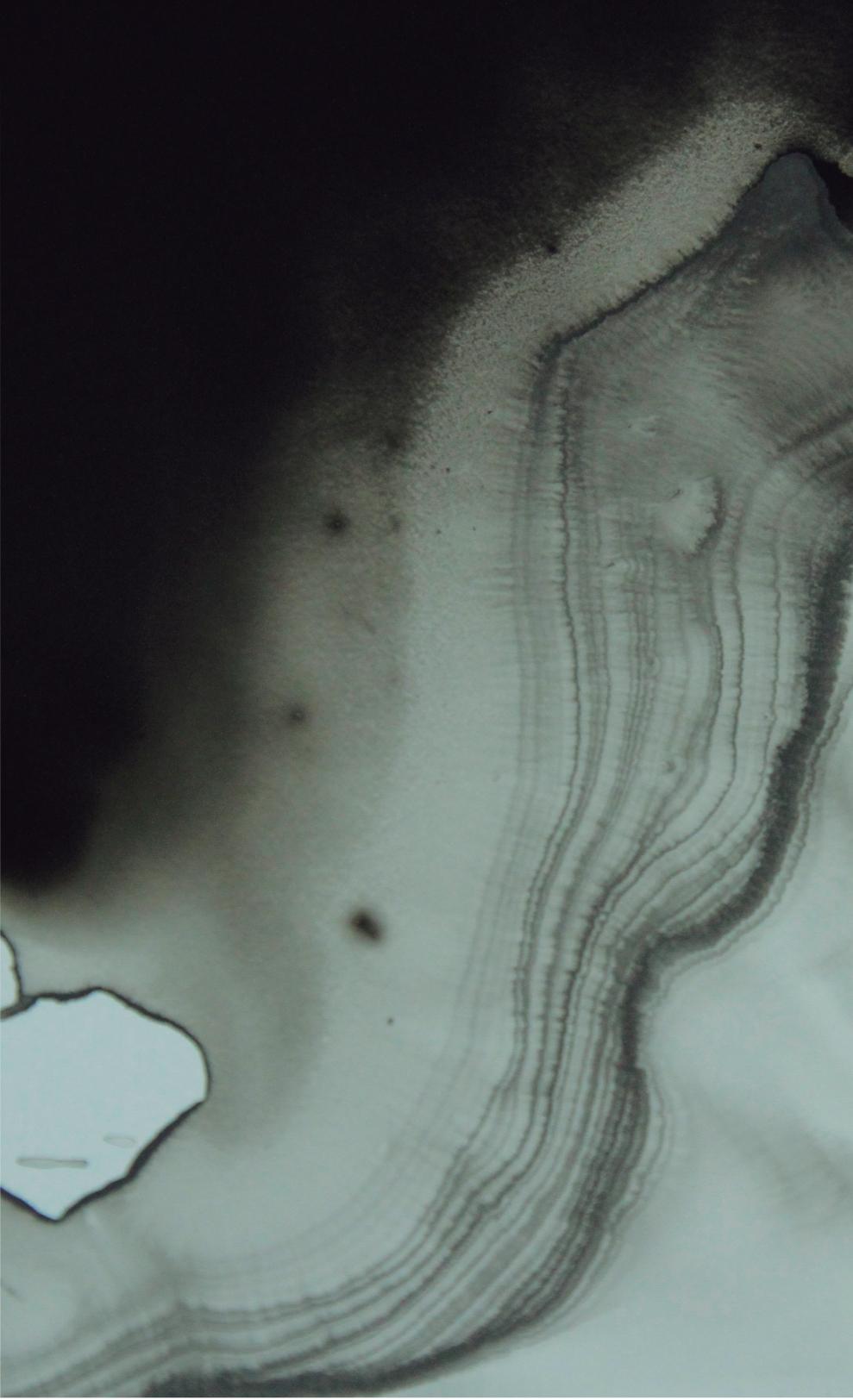
## **Fourth week:**

Review of the previously sent projects and decision of winners.

## **Fifth Week:**

Inform the winners and give them one week to plan and confirm their assistance in the project.





# SCHEDULE & METODOLOGY

## Sixth week:

### Workshop:

#### Start day 1:

Possible hours: 6 a.m. Col. - 12 m. EUR - 8 p.m.  
Jap. // 4 p.m. Col. - 10 p.m. EUR - 6 a.m. Japan

Suratómica Synchronous Meeting Opening +  
Workshop: 2 hours  
Platform opening.

#### Day 2 to 5

During these 4 days meetings are held between  
the participants - Suratómica opens a support  
channel for questions and doubts.

#### Day 6:

Final delivery of the videos.

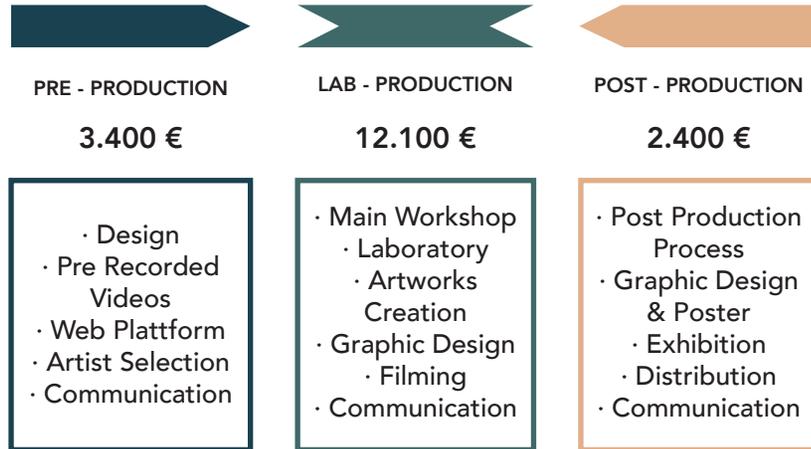
#### Day 7:

Synchronous meeting with everyone: Delivery of  
materials, visualization and discussion.

## Seventh week:

Production of Documentary

# ESTIMATED COSTS



## SHARE

SURATOMICA

7.250 €

ART@CMS

4.100 €

64%

MUOGRAPHIX

6.550 €

2.000 €

4.550 €

36%

