

Art thinking as a tool for
institutional science culture
change

#mariaacaso



#mariaacaso

#Complutense University Madrid



rEDUvolution

hacer la REVOLUCIÓN en la EDUCACIÓN



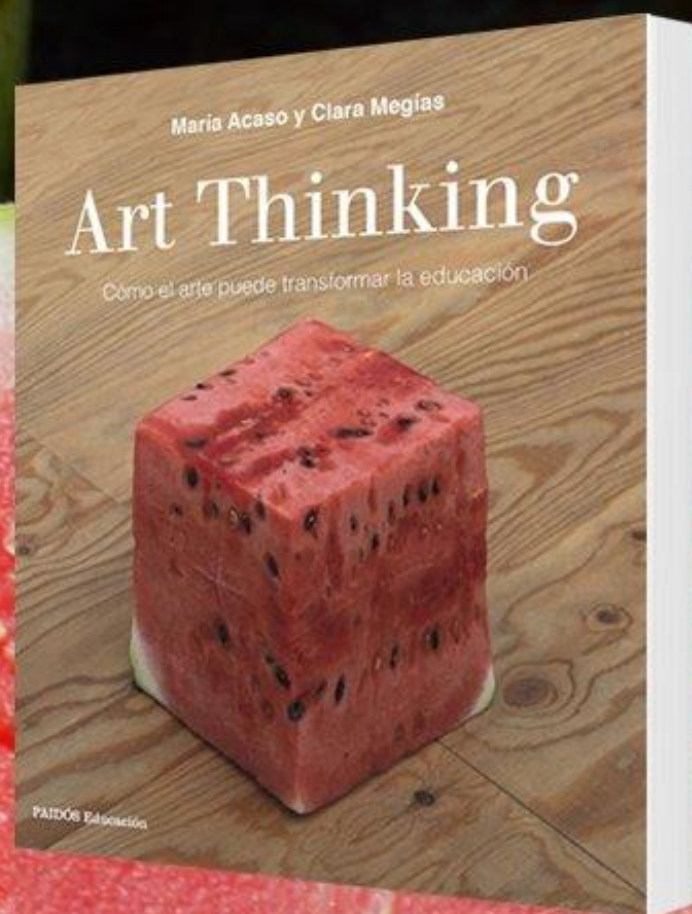
PAIDÓS CONTEXTOS

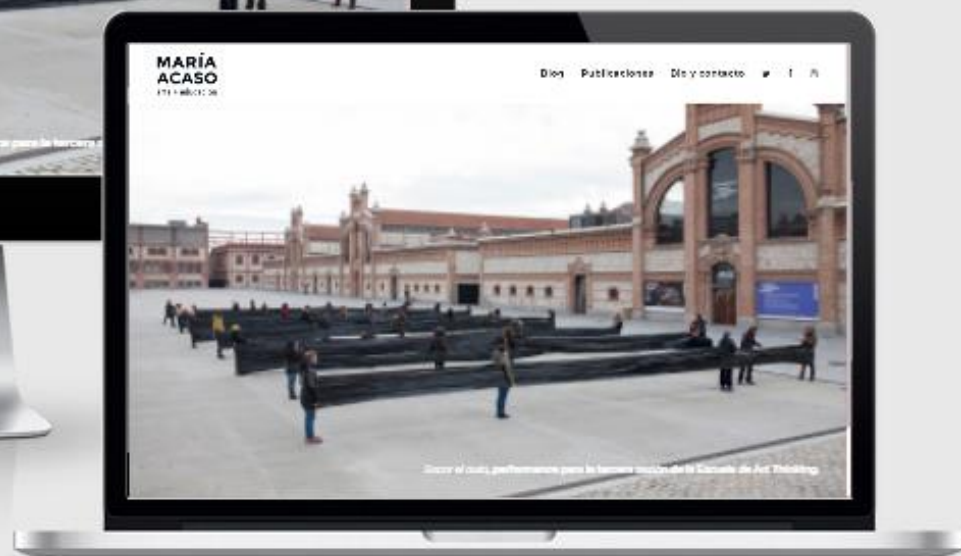
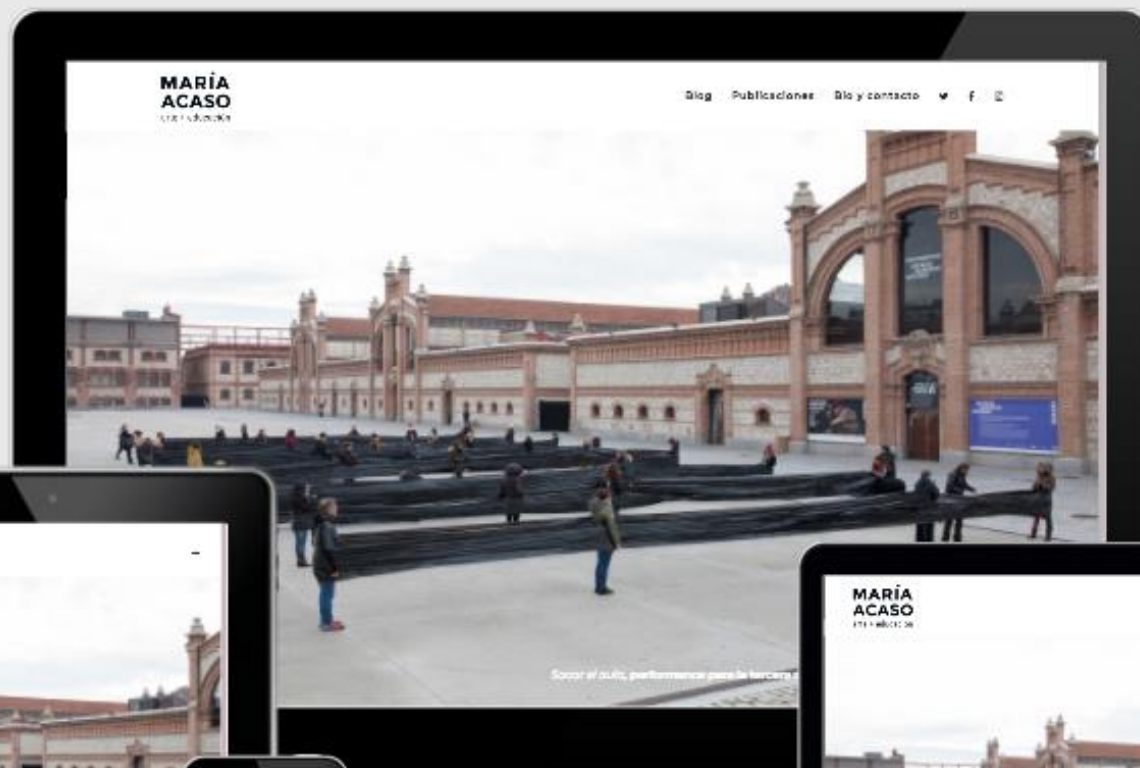
MARÍA ACASO

María Acaso y Clara Megías

Art Thinking

Un libro que revolucionará la manera de educar.





mariaacaso.es

1994



2004



micro: what are the
resources required
to transform my
teaching in a
contemporary
practice?

macro: what tools
and resources can
be use to transform
science institutions
into more socially
engaged place?

open science

science and social
transformation

Institutional culture change

art thinking

the
outside
world



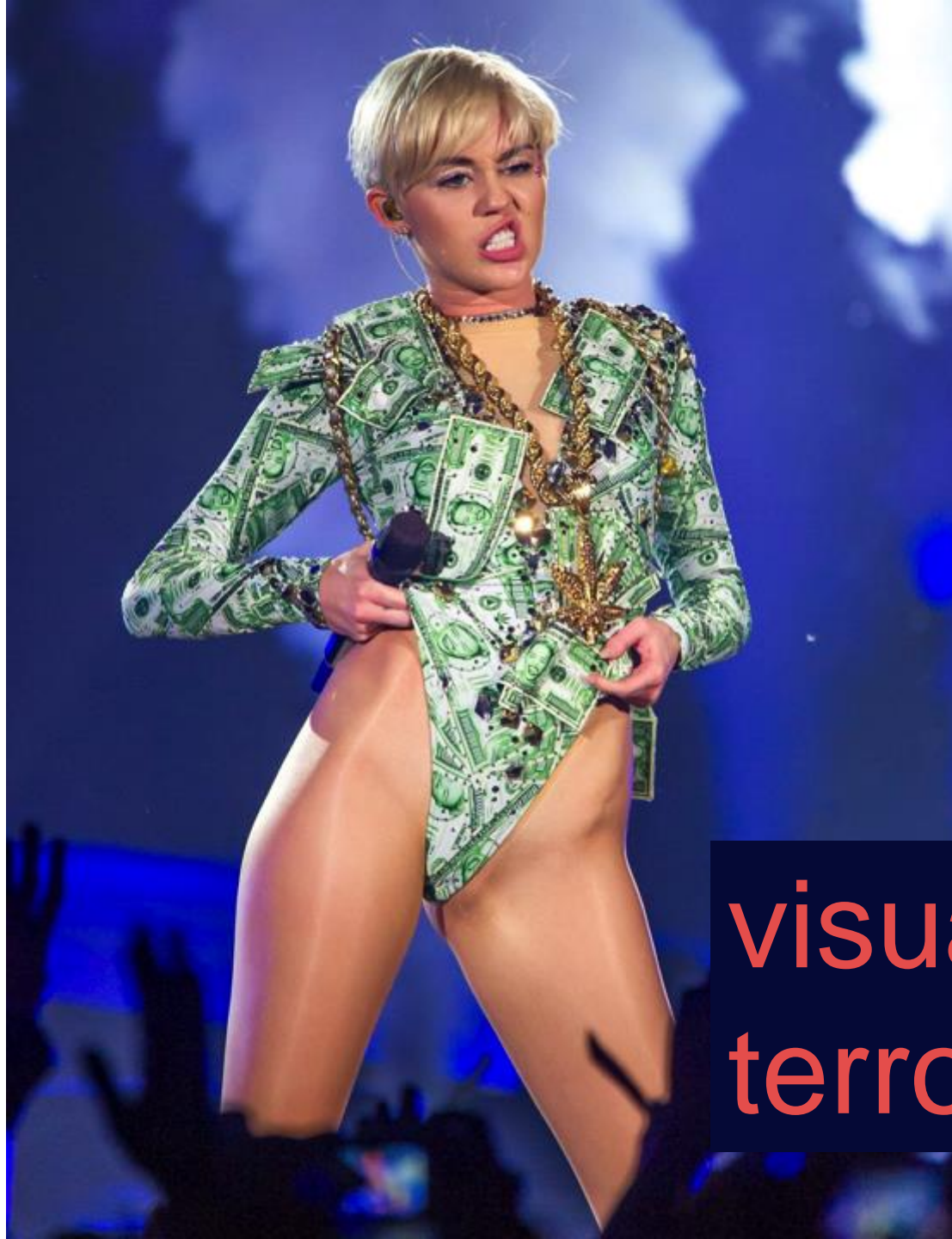
hyperreality

hyperconsumption



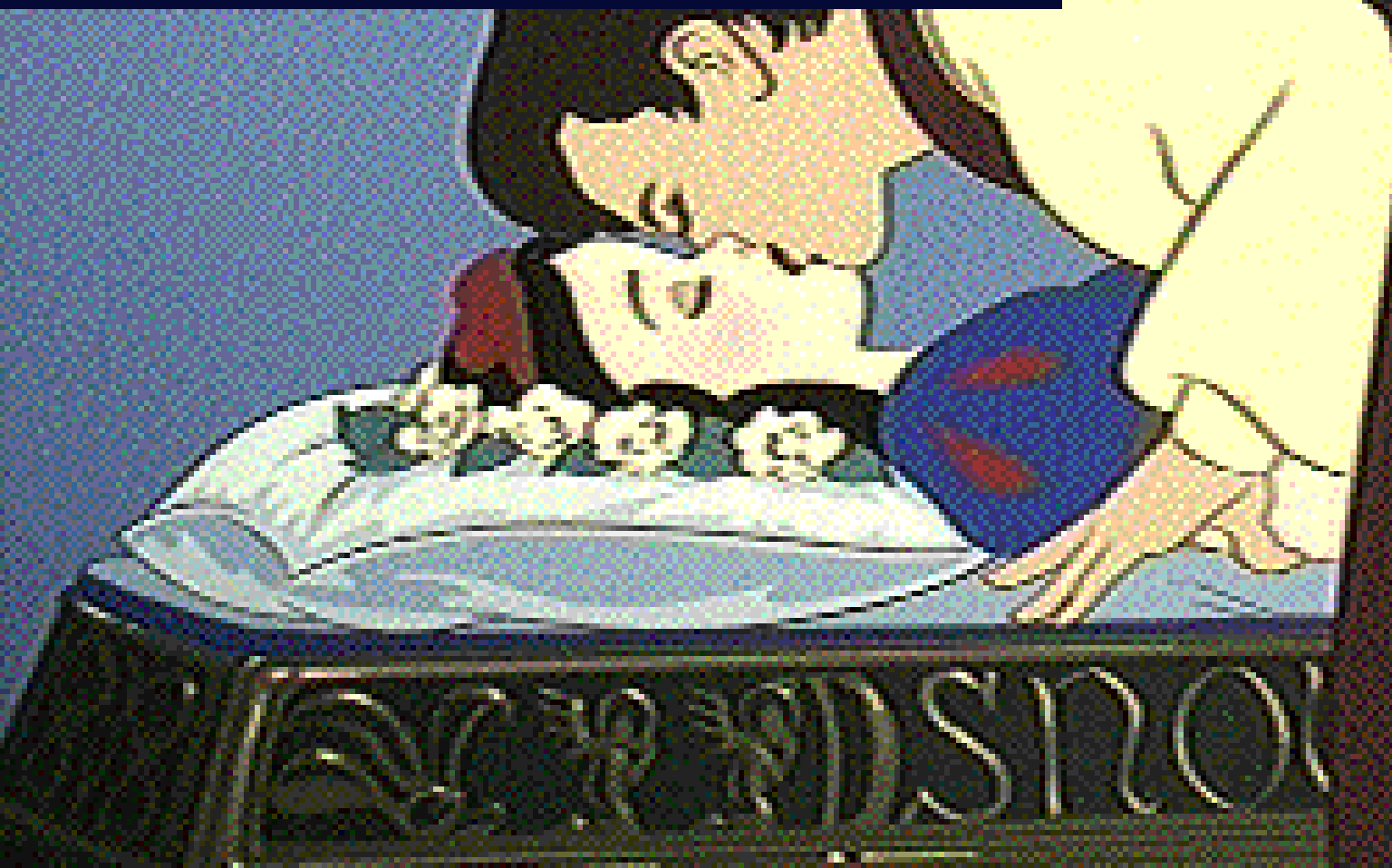
S I S L E Y

Fashioin Junkie



visual
terrorism

entertainment as pedagogy



education

the death of passion for learning



Hicham Benohoud
El aula

A close-up profile of a person's face. Their mouth is open, and a finger is inserted into it. A hand is positioned near the mouth, with the thumb and index finger forming a shape. The background is a plain, light color.

memorise

vomit

forget

bulimic
education



farse

simulation

the art
world



Hans
Hemmert

Art Thinking

SOME OBJECTS OF DESIRE

+

SOME OBJECTS OF NECESSITY

SOME OBJECTS OF

THOSE THINGS THAT ESCAPE

THINGS MORE

=

SOME THINGS

ALGUNS OBJECTOS DE DESEJO

+

ALGUNS OBJECTOS NECESSARIOS

ALGUNS OBJECTOS DE

AQUELLOSOSE QUE SE'N ESCAPAN

÷

UN OBJECTE MAJOR

=

ALGUNES COSES

ALGUNOS OBJETOS DE DESEO

+

ALGUNOS OBJETOS NECESARIOS

+

Art Thinking for institutional culture change in science

**visual
arts**

**sound
art**

**performing
arts**

**literary
arts**

architecture

**cinema and
digital art**

Art Thinking isn't about
becoming an artist, it's
about

thinking like
an artist

1

divergent
thinking

SOME OBJECTS OF DESIRE

+

SOME OBJECTS OF NECESSITY

SOME OBJECTS OF NO CONCERN

SOME THINGS THAT ESCAPE NOTICE

÷

FOR MAJEURE

=

SOME THINGS

ALGUNS OBJETOS DE DESEO

+

ALGUNS OBJETOS NECESARIOS

+

ALGUNS OBJETOS DE NO INTERES

-

AQUELLES COSES QUE SE'NS ESCAPEN

÷

UN OBJECT MAJOR

=

ALGUNES COSES

ALGUNOS OBJETOS DE DESEO

+

ALGUNOS OBJETOS NECESARIOS

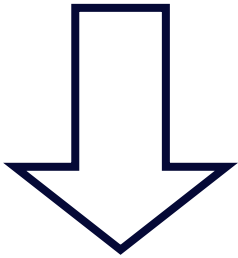
+



Chema Madoz

Problem

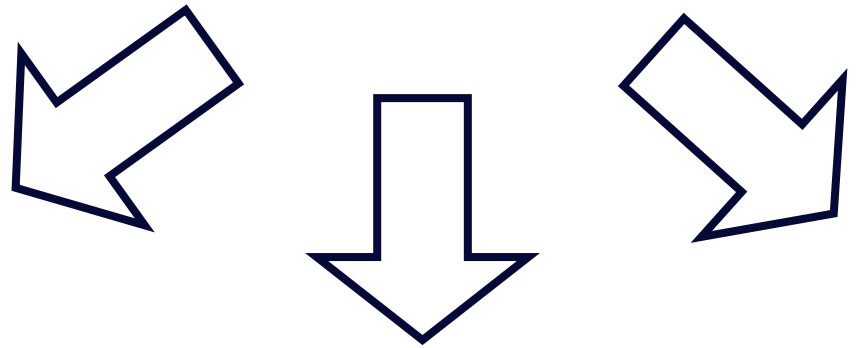
**Logical
thinking**



Solution

Problem

**Divergent
thinking**



Solutions

There is
more than
one truth

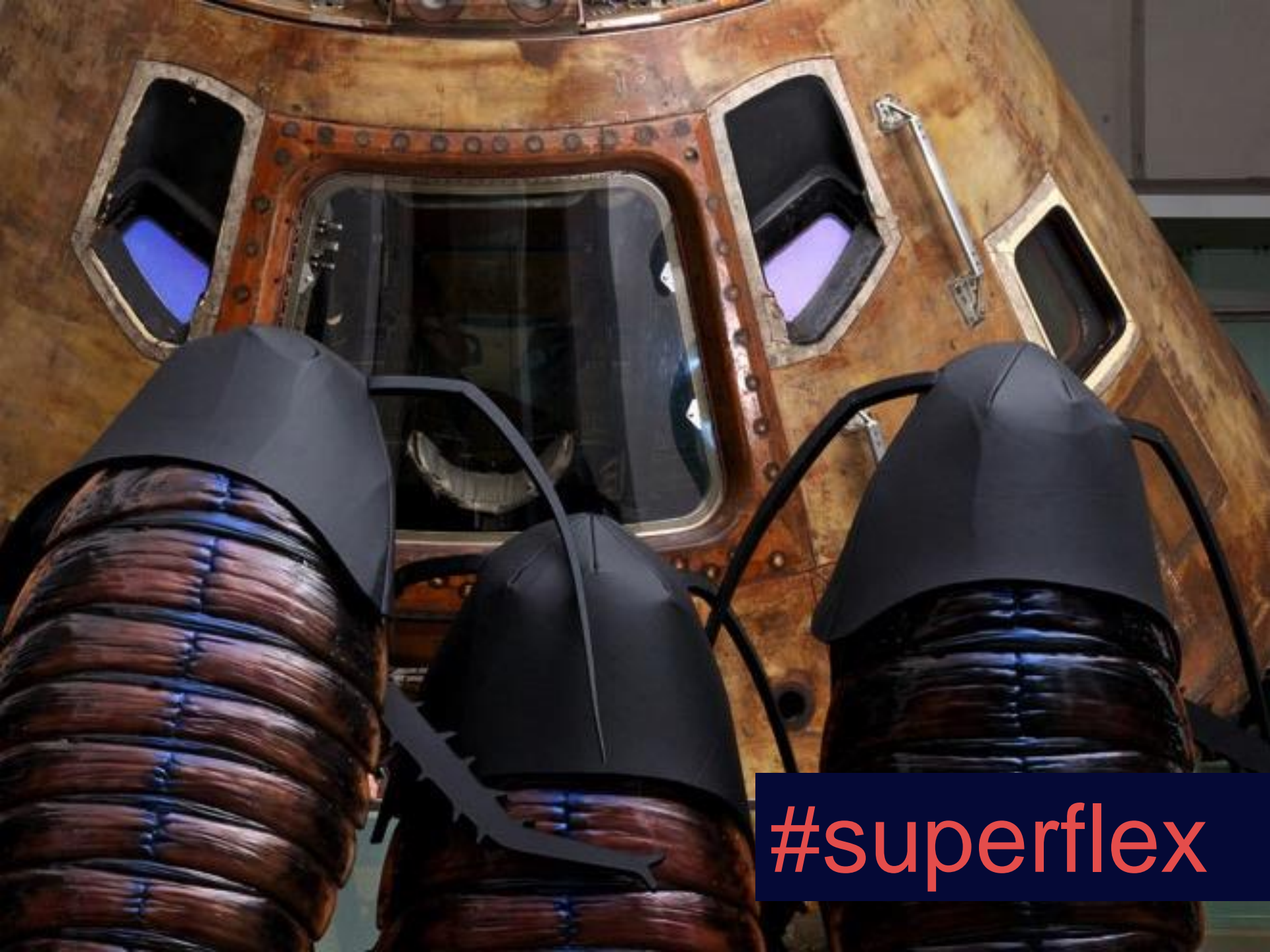
divergent thinking

critical thinking

rhetoric

fiction

**How can we use
this key point in
science?**



#superflex

2

sexy pedagogy

SOME OBJECTS OF DESIRE

+

SOME OBJECTS OF NECESSITY

SOME OBJECTS OF NO CONCERN

THOSE THINGS THAT ESCAPE NOTICE

FOR THE MAJORITY

SOME THINGS

ALGUNS OBJECTES DE DESIG

+

ALGUNS OBJECTES NECESSARIS

ALGUNS OBJECTES SENSE INTERESS

AQUELLES COSES QUE LA MAJORIA ESCAPEN

÷

UN OBJECTE MAJOR

=

ALGUNES COSES

ALGUNOS OBJETOS DE DESEO

+

ALGUNOS OBJETOS NECESARIOS

+



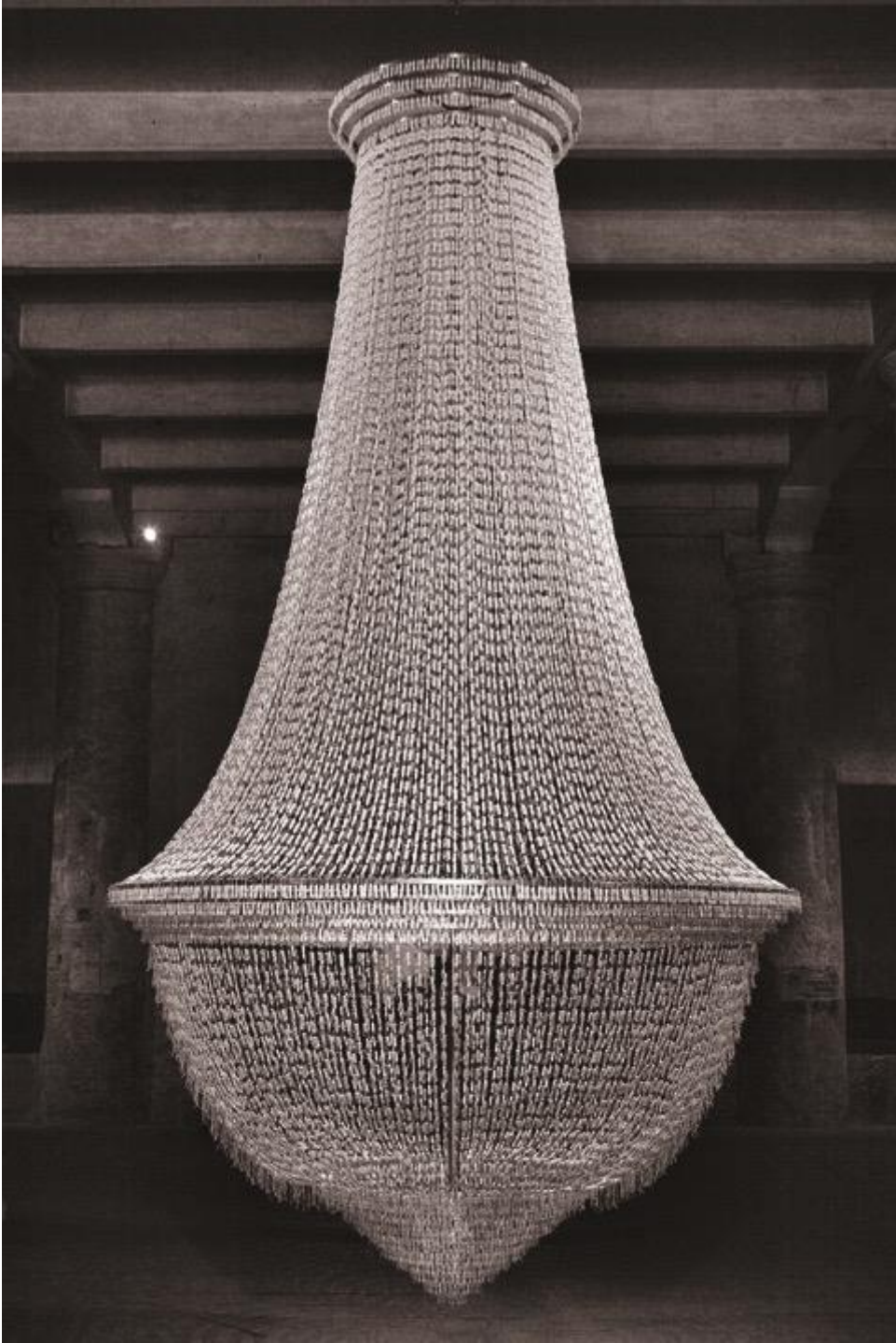
#improveanyware

pleasure

pleasure

of the

uncomfortable



Joana Vasconcelos



#estrangement

expectancy

surprise/the unexpected

defamiliarisation

**How can we
use this key
point in
science?**

#rewind
con
Paloma
Calle



#summerlab

#toast

#playdramaturgia





#miguelbraceli



#tedBCNeducation



[#Rosanbosch.com](https://rosanbosch.com)



#misclases

3

science as a cultural production

SOME OBJECTS OF DESIRE

+

SOME OBJECTS OF NECESSITY

SOME OBJECTS OF NO CONCERN

THOSE THINGS THAT ESCAPE NOTICE

÷

A FORCE MAJEURE

=

SOME THINGS

ALGUNOS OBJETOS DE DESEO

+

ALGUNOS OBJETOS NECESARIOS

+

ALGUNOS OBJETOS SIN INTERÉS

-

AQUELLES COSAS QUE SE NOS ESCAPAN

÷

UNA FUERZA MAJOR

=

ALGUNAS COSAS

ALGUNOS OBJETOS DE DESEO

+

ALGUNOS OBJETOS NECESARIOS

+

science as a **cultural
production**

science educators as **artists**
students too!

pedagogical formats as
artistic formats



Lygia Pape Divisor



#conventsanagusti



#alumnos47



#mataderomadrid



[#artthinkingschool](#)

4

collaborative projects

SOME OBJECTS OF DESIRE

+

SOME OBJECTS OF NECESSITY

SOME OBJECTS OF NO CONCERN

THOSE THINGS THAT ESCAPE US

FOR MAJEUR

SOME THINGS

ALGUNS OBJECTES DE DESIG

+

ALGUNS OBJECTES NECESSARIS

ALGUNS OBJECTES DE NO INTER

AQUELLES COSES QUE NOS ESCAPAN

÷

UN MAJOR

=

ALGUNES COSES

ALGUNOS OBJETOS DE DESEO

+

ALGUNOS OBJETOS NECESARIOS

+

A helicopter is seen from below, flying through a sky filled with a dense shower of small, rectangular confetti pieces. The confetti is scattered across the entire frame, creating a festive atmosphere. The helicopter is positioned in the lower center of the image, moving upwards. The sky is a pale, clear blue.

poem bombing

casagrande.org

DIWO

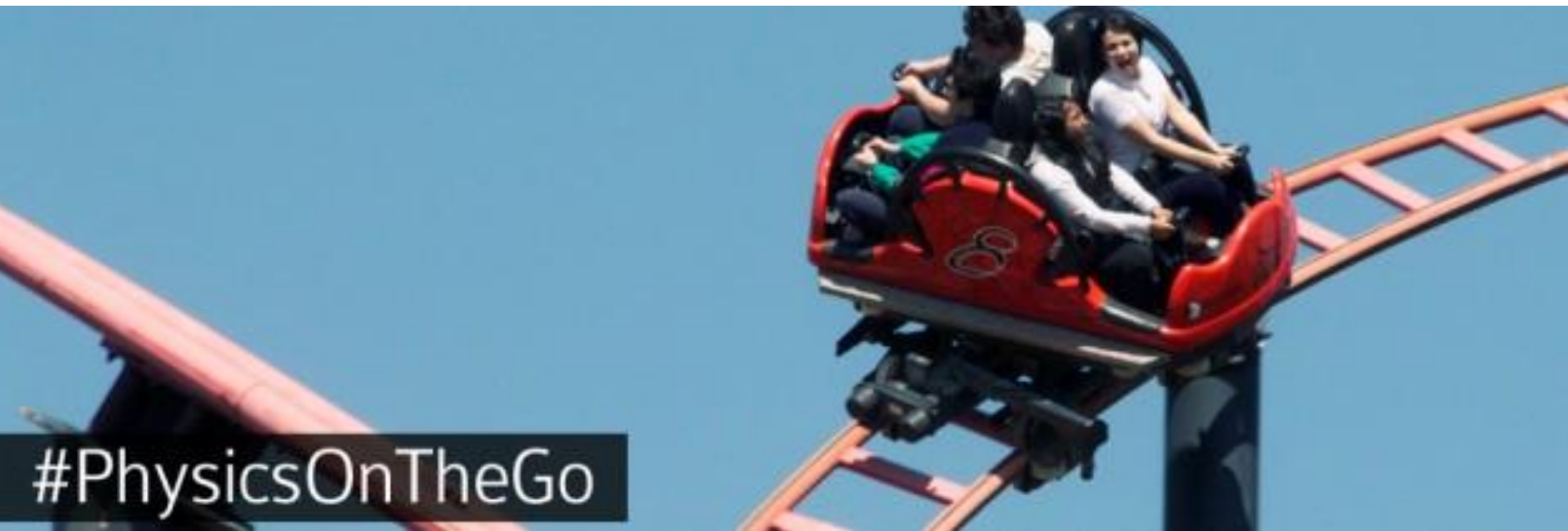
Project Based Learning

Slow Science

Emotional Science

Complexity

**How can we use
this key point in
science?**



#PhysicsOnTheGo

<http://sandiegoysanvicente.com/physicsonthego/>

coda

divergent
thinking

education
as a
cultural
production

sexy
pedagogy

collaborative
projects

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ALGUNS OBJECTES SENSE INTERES

-

AQUELLES COSES QUE SE'NS ESCAPEN

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UNA FORÇA MAJOR

=

ALGUNES COSES

ALGUNOS OBJETOS DE DESEO

+

ALGUNOS OBJETOS NECESARIOS

+

#1 let's go from
logical thinking to
divergent thinking

#2 let's remake
science into a
sexier thing

#3 you're an
artist and so is
your public

#4 let's leave
DIY and go for
DIWO

open science

science and social
transformation

Institutional culture change

art thinking

1994



2011



2018



Just as art has
changed my
teaching style, it
can transform
science....



**Thank
you!**