

Experimentation

Artists that asks...

What if?

Emotional dimension



I'm going to try to be like an arts critic, but for science

There are all sorts of questions to ask about science, beyond whether it's correct or not



Philip Ball

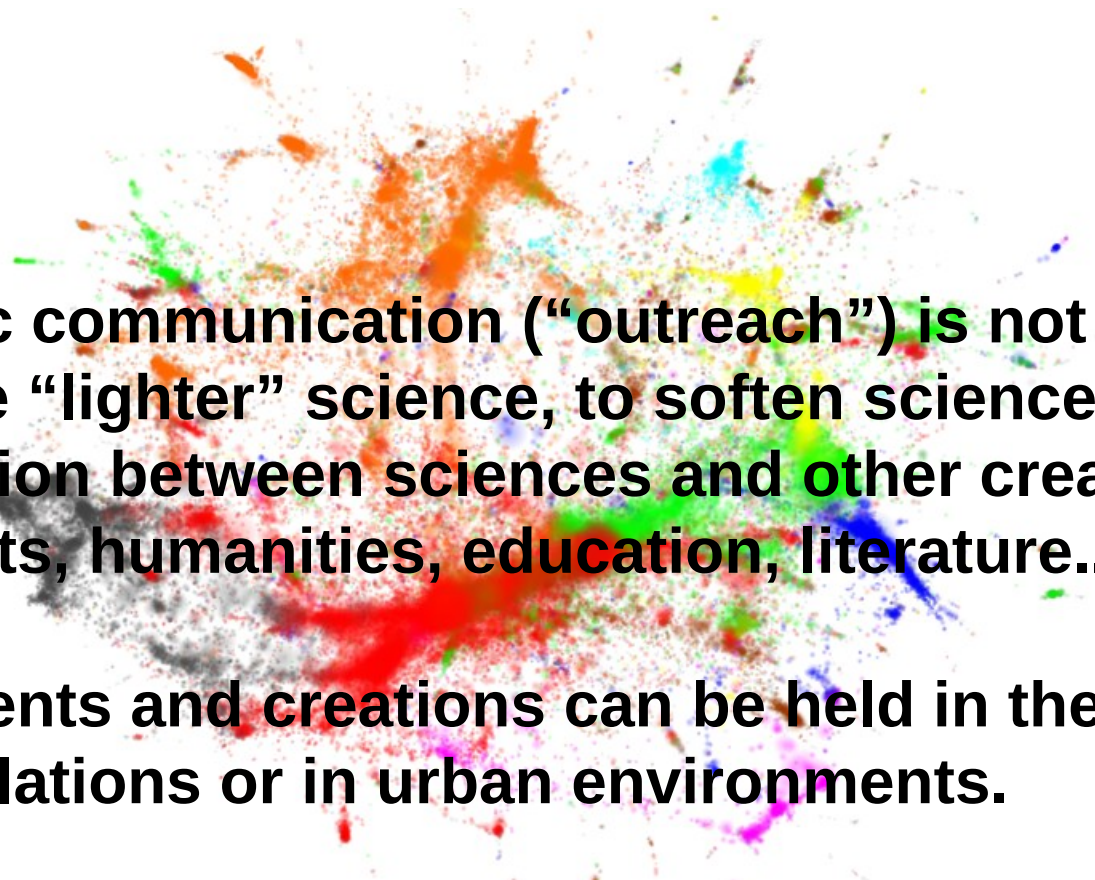
guardian.co.uk, Friday 2 December 2011 19.30 GMT

[Article history](#)



The sociological aspect of scientific endeavours such as the Mars missions is significant, and worthy of more discussion, says Philip Ball. Photograph: Nasa/Reuters

We are going to talk about spaces where...



Scientific communication (“outreach”) is not a way to divulgate “lighter” science, to soften science, but an intersection between sciences and other creative fields: arts, humanities, education, literature...

Experiments and creations can be held in the middle of art installations or in urban environments.

Cultural and social spaces understood as hybrid and mutating spaces with a transdisciplinary point of view.

We are going to talk about spaces where...

Visitors/communities/users are motivated to research, discovery, curiosity and inquiry instead of providing definite answers. [prosumers]

Relations are bidirectional, where everyone can contribute on learning and teaching.

Dialogs between artistic and scientific approaches are NOT reduced to “science as a tool for art inspiration” and/or “art as a tool to explain science”

Some examples....

What are we talking about?

#Laboratory space as an exhibition space

[Arts Santa Mònica and University of Barcelona]

[Science Gallery, Trinity College, Dublin]

“an experiment in public engagement with science and technology, bringing science into dialogue with the arts through exhibitions, events and educational programming and acting as a sociable environment for face-to-face interactions and encounters between the public, scientists and the creative community coming from arts but also design.” From SG website

[Laboratoria, Moscow] [Kapellica, Ljubljana] [Ars Electronica]
legacy from [Exploratorium, San Francisco]

Some examples. What are we talking about?

#Collaborative exhibition/projects

Ongoing project with secondary students (science and arts teachers, artists and researchers)

Inquiry Based Education, Problem Based Learning (Science NOW Education, EU Rocard Report)

IBSE: [Move from “Deductive Approach” and “Inductive Approach”]
“Intentional process of diagnosing problems, critiquing experiments, and distinguishing alternatives, planning investigations, researching conjectures, searching for information, constructing models, debating with peers, and forming coherent arguments”

PBL: “Learning environment where problems drive to learning”

Some examples. What are we talking about?

#Collective Experiments

[Control.Burple.Remote] [Com ens movem? Bee-Path]

But also [Sociopatterns] IT, [SENSEable MIT], [Openpaths] NY

The move from science to research: The public are no longer consumers of the output of science, left only to decide whether they are closed or open to the new ideas, but become a driving force within the research.

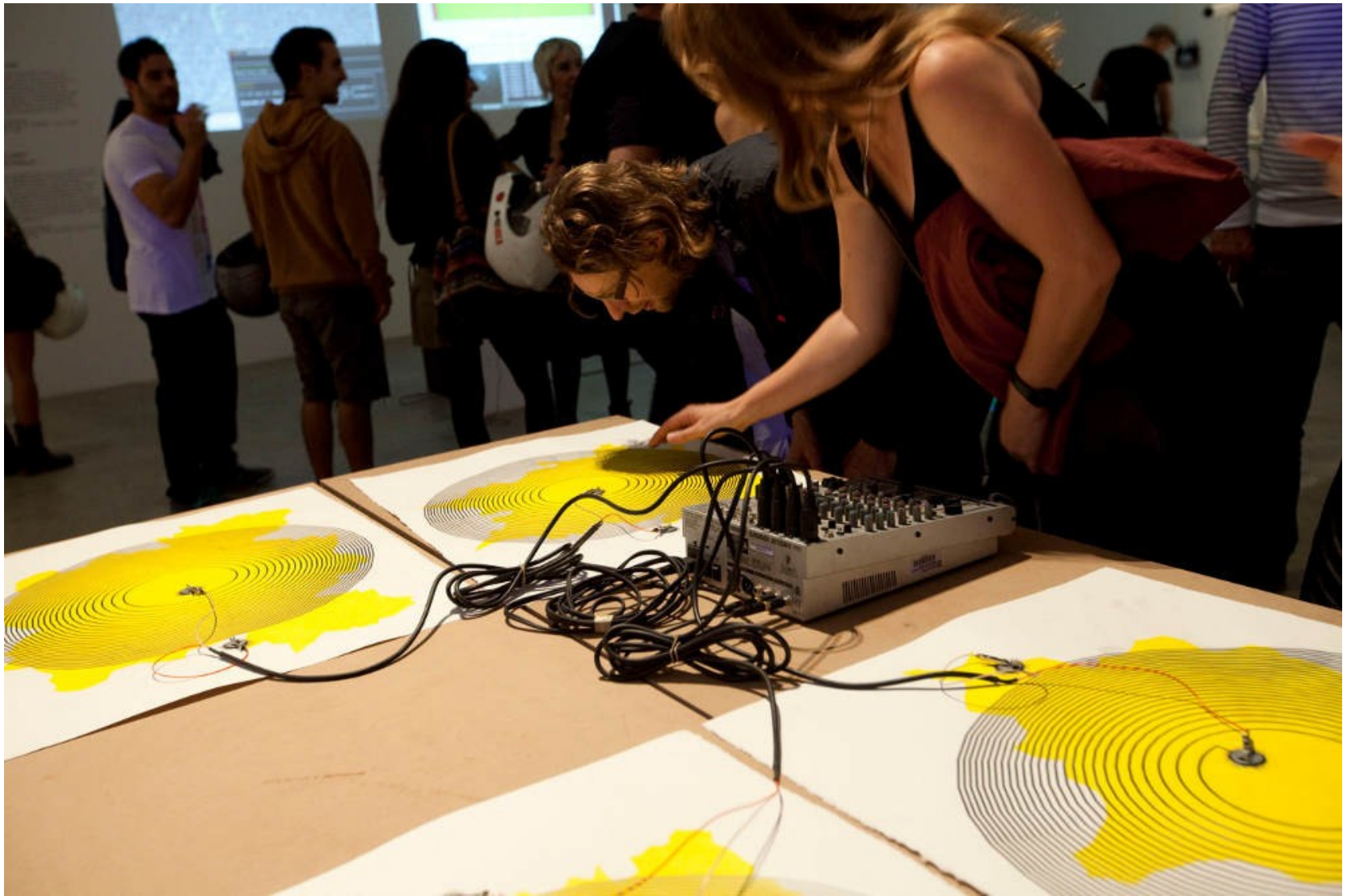
“They took over. They tailored a science policy adjusted to what they perceived as their needs. Far from expecting certainty from science, they accepted that they must share risk in research.”

Bruno Latour

LABORATORY SPACE (2009-2012)

ARTS SANTA MÒNICA AND UNIVERSITY OF BARCELONA

Space in an art center that has been developing projects where science, art and education (both school and university) walk together.



EL PAÍS

ARCHIVO

EDICIÓN
IMPRESA

VIERNES, 30 de diciembre de 2011

Premiado el programa sobre ciencia y arte del Santa Mònica

EL PAÍS | Barcelona | 30 DIC 2011

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La iniciativa Espai Laboratori: Àmbit de Ciència, que tiene por objetivo potenciar los espacios de encuentro entre ciencia y arte, realizada por Arts Santa Mònica, ha ganado el Premio Antoni Caparrós que otorga el Consejo Social y la Fundació Bosch i Gimpera de la Universidad de Barcelona (UB) a la mejor iniciativa de transferencia de conocimientos y tecnología.

FREQUENCIES. EUGENIA BALCELLS





Facultat de Física de la Universitat de Barcelona



Homenatge als elements

Eugènia Balcells



Homenatge als elements va néixer com a contrapunt a la videocrystal·logràfica d'Eugènia Balcells Fregüerolles, una publicació sense fi en l'empenta turística que substeixen dels elements emet es fon amb les dades altes, configurant així una veritable metàfora de l'origen de l'univers.

CONSEJO REGULADOR DE INVESTIGACIONES CIENTÍFICAS

CULTURES OF CHANGE. SOCIAL ATOMS AND ELECTRONIC LIVES





ANTARCTICA. TIME OF CHANGE. MIREYA MASÓ



CONDENSED MATTER. COOKING SCIENCE

MATÈRIA



LG



FASE
LÍQUIDA

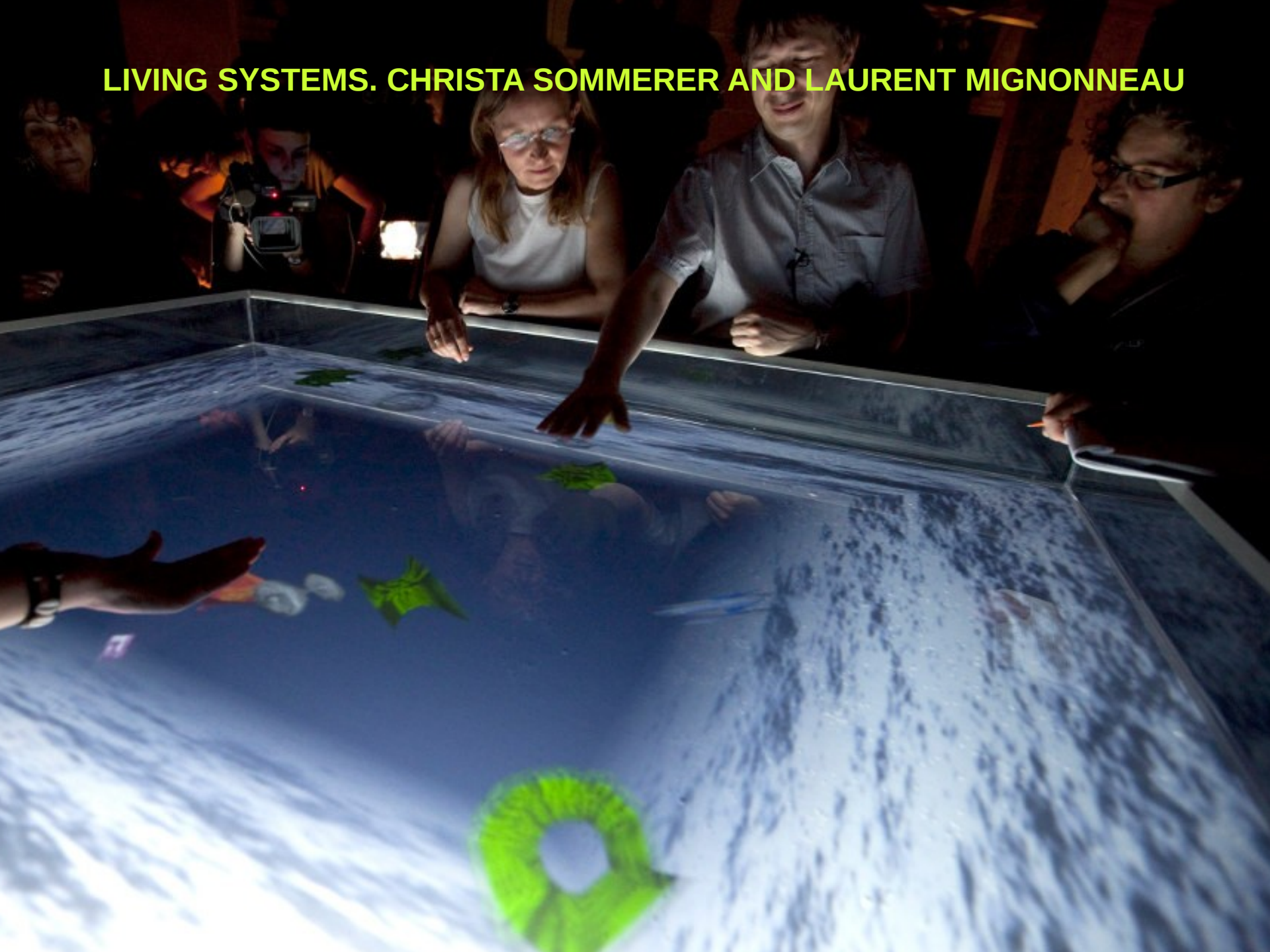
CONDENSED
MATTER



THINK ART- ACT SCIENCE. SWISS ARTISTS-IN-LABS

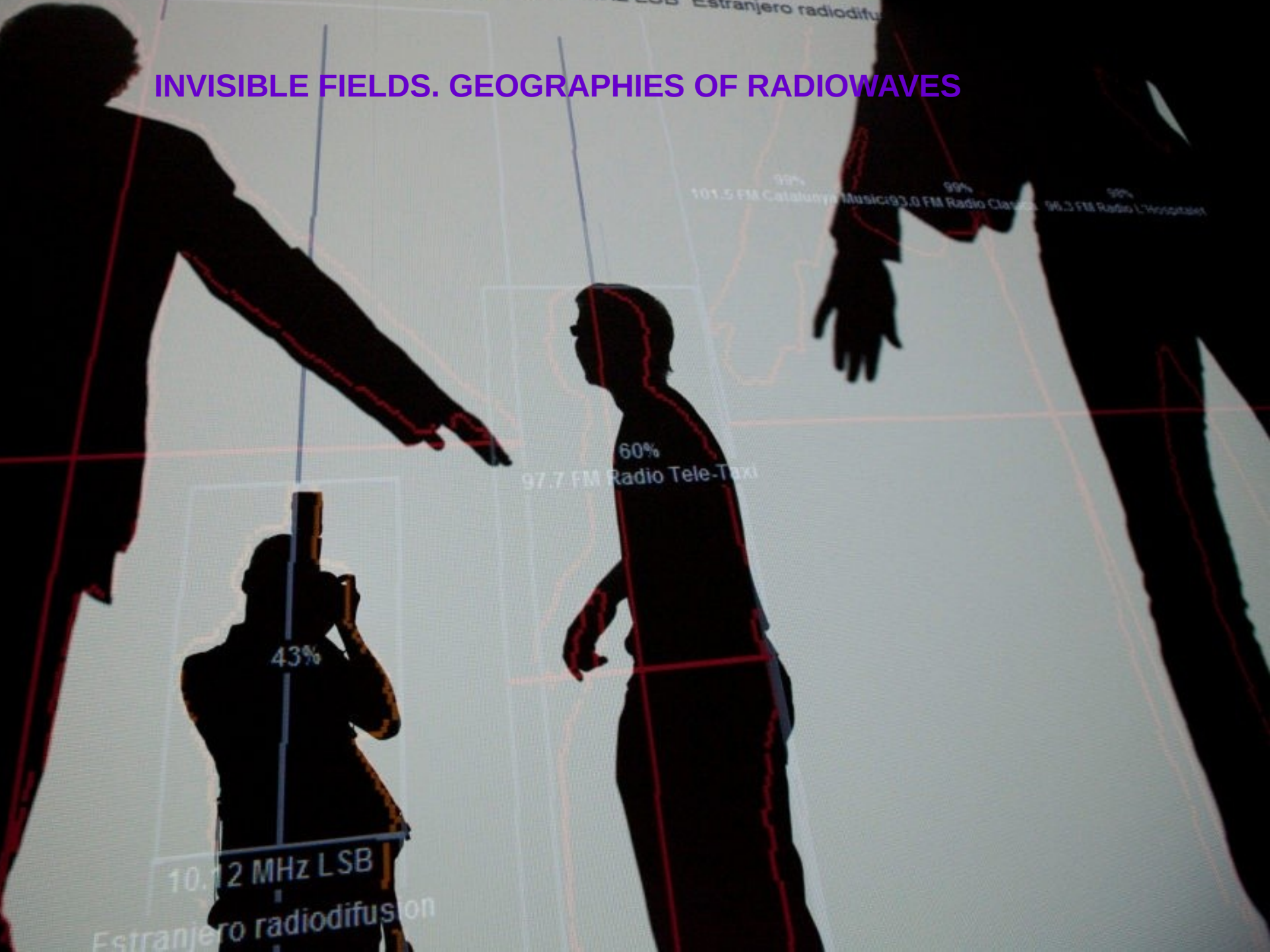


LIVING SYSTEMS. CHRISTA SOMMERER AND LAURENT MIGNONNEAU





INVISIBLE FIELDS. GEOGRAPHIES OF RADIOWAVES



99% 99% 99%
101.5 FM Catalunya Music 93.0 FM Radio Clásica 96.3 FM Radio L'Hospitalet

60%
97.7 FM Radio Tele-Taxi

43%

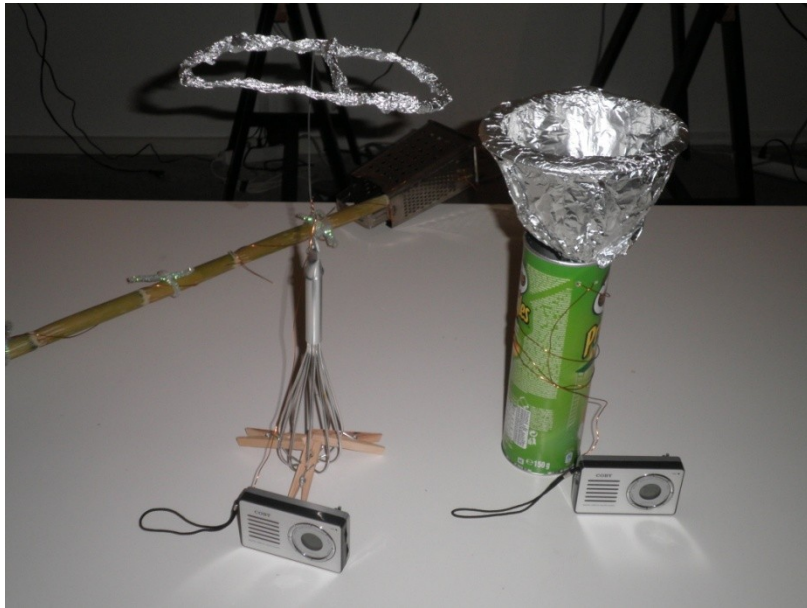
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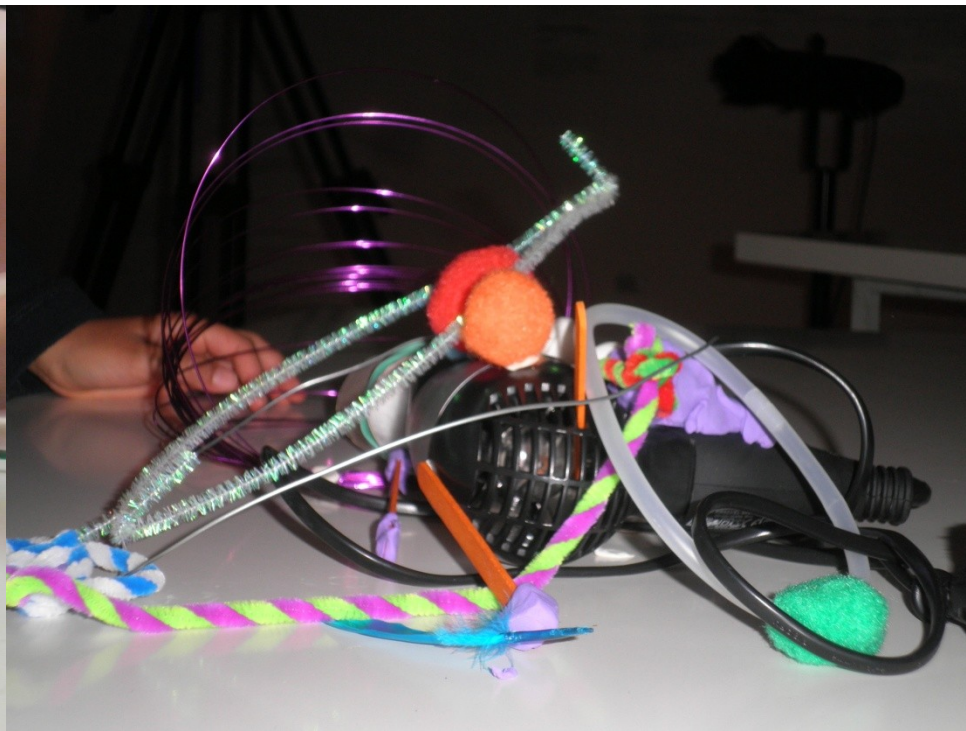
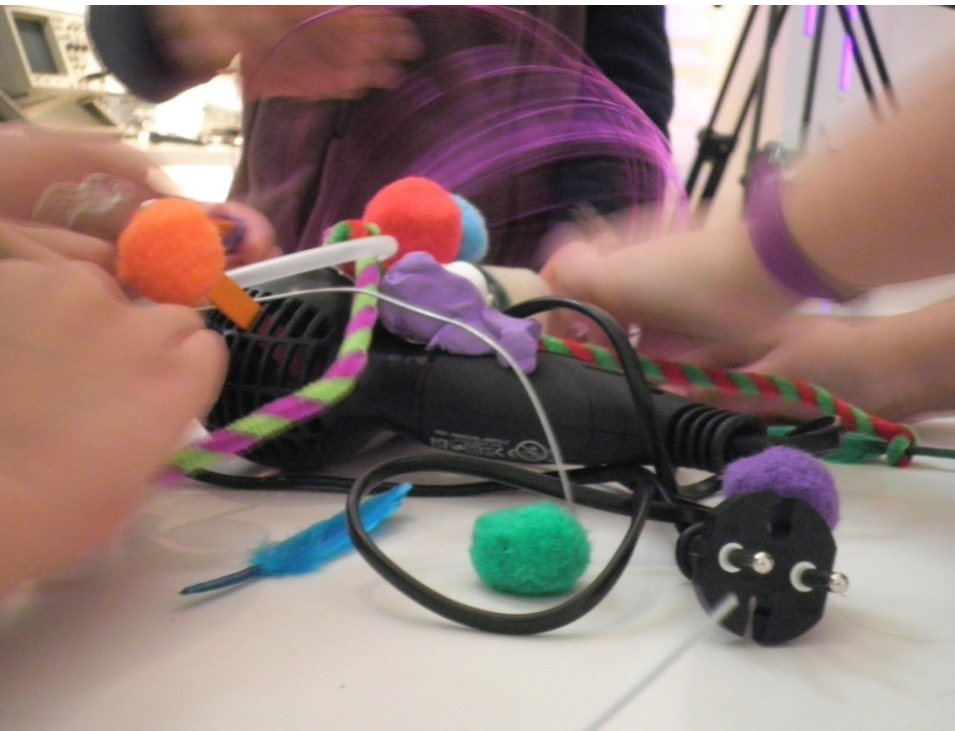
Exhibition space as a dynamic and mutating space



Activities, workshops or, a visitor, are elements that distort or interfere the exhibition space







Open system



Indicadores

- Número de visitantes
- Impacto en los medios
- Espacio (metros cuadrados)
- Presupuesto asignado
- Coproducción
- Comisariado abierto
- Número y calidad de colaboraciones, como método de validación
- Maleabilidad del proyecto expositivo
- Número y diversidad de agentes
- Actividades escolares
- Actividades satélite
- Transformación de los participantes
- Número de disciplinas implicadas
- Niveles de conversación con el visitante
- Transformación del espacio en una infraestructura científica (se vislumbró sin aplicarse)
- Capacidad de recoger la experiencia del visitante