



Landscape Xerography

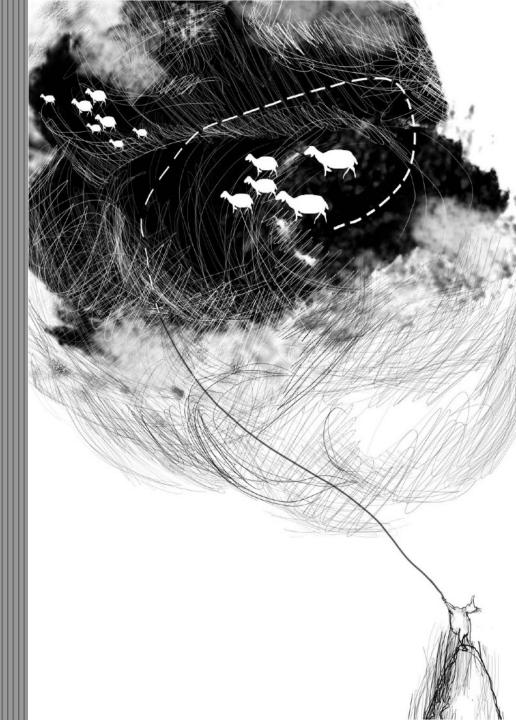
MARIO GIACOMELLI BRUNO MUNARI

fantasy thinking

imagination sees

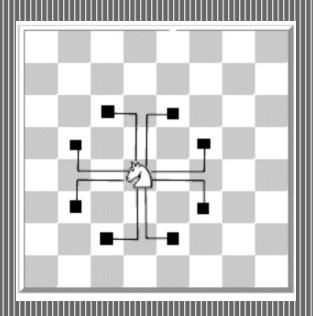
creativity ago and solves

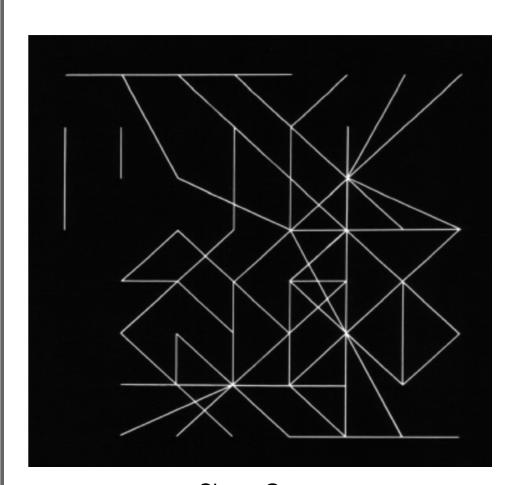
CREATIVITY should be stimulated, but how?



"Such leaps and bounds do not always consist in going farther in the same direction; they accompany themselves with orientation changes, a bit the same way as the horse move in chess, which has always at its disposal various progressions but never in the same direction"

**C.LEVI-STRAUSS** 





Shess Game
M.L.GRIMANI

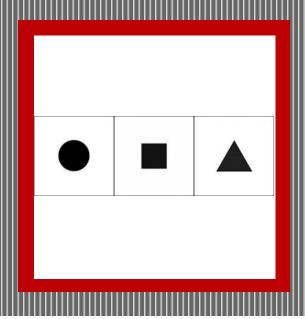
"In the horse move, I had discovered the lever of the creative moment: that "leap" for me became the visual symbol of how we can get out of the mental cages and intuitively find our own personal connections".

**M.L.GRIMANI** 



The discovery of the Square BRUNO MUNARI

#### CREATIVE DESIGN METHOD



Cultural experience of the Bauhaus school

~

Theoretical and operational base of the Method

v

Anti romantic vision of art

Anthropological conception of the art

v

Mobility of the creative thinking

~

Resistance and freedom

# How does Creativity work?



Bottiglia lampo

It contains a stimulanting spirit for imagination

**BRUNO MUNARI** 

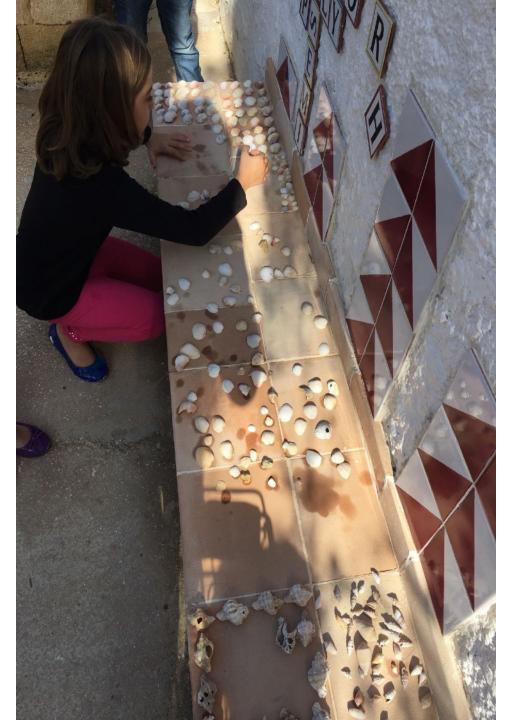
### Mobility of the creative thinking

# Remote associations between different aspects of reality

#### Remodulations

> experience > ability to find connections

age child - play - creativity - intelligence



#### **MUNARIS CONCEPT**

```
(Problem)
            DP
    (Problem Definition)
(Components of the Problem )
            RD
      (Data collection)
            AD
       (Data analysis)
         (Creativity)
            MT
         (Materials)
            SP
      (Experimentation)
             M
           (Model)
        (Verification)
         (Solution)
```

#### **PLAY**

propaedeutical activities of higher functions

~

#### DESIGN SCHOOL FOR CHILDREN

Pedagogical and methodological principles of the Basic Design

v

#### WORKSHOP

centrality of the experience research not finalized, tactilism, handling, experimentation

Preparation > visual impact

Play > ? > not what but how

Presentation > unstructured Materials, tools

Technical demonstration > rules, constraints

rules + constraints = stimulating measure of the limit

Input > gameplay

Activity > exploration, experimentation

Free choice

Binding factors (rules) > unforseen > error > opportunity > CREATIVITY

Random factors

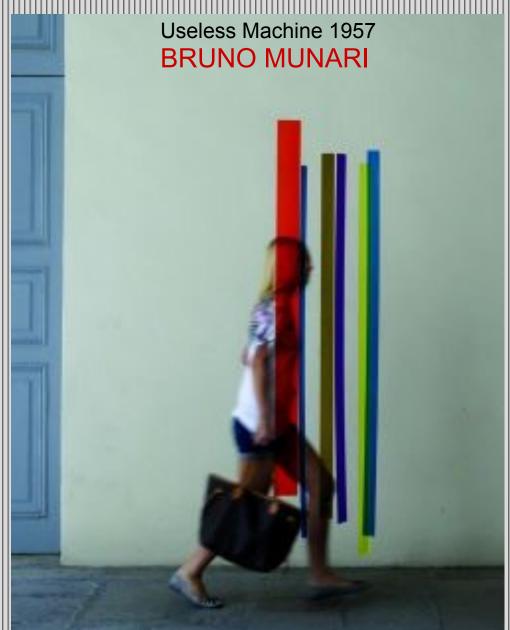
### Workshop as a field of possibilities

Method as a compass

# "Doing to understand" in the time of virtual reality







#### **AUGMENTED REALITY**

~

QRCode - AR Tag - Beacon - Geolocalization - Video Mapping

v

experiential learning

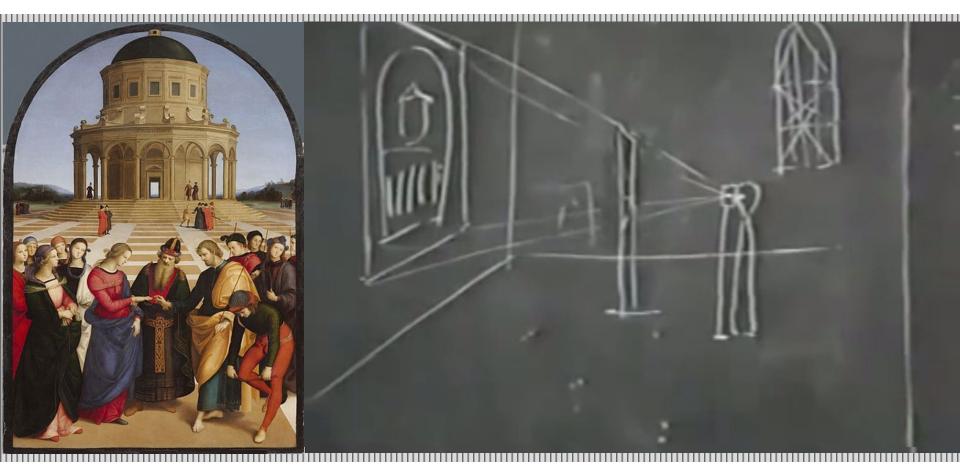
facilitation of the research

integration of the practical dimensions (physical reality)

and the theoretical dimensions (virtual reality)

v

sedimentation of applied knowledge



Lo sposalizio della vergine RAFFAELLO

Sketch
BRUNO MUNARI

P

Experiential learning - Creative use of technology

DP

AR (QRCode - AR-Book - Video Mapp.)

CP

Technical and Teaching skills

RD + AD

Previous experience > what can we learn?

C

"Giocare con l'ARte"

MT

Technological devices, Software, Hardware

SP + M + V

Experimentation + Protothype + Trial > Workshop

S



#### "GIOCARE CON L'ARte"

« Qr-Code & Illegible script of unknown peoples »

« Drifting Codes/Qr-Code Art »

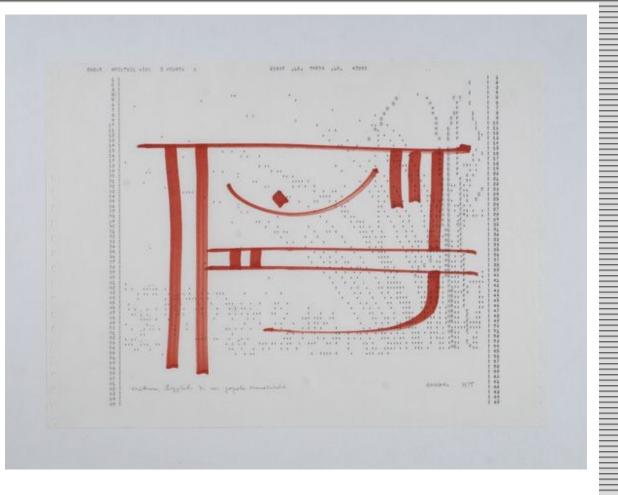
« Unreadable Book and AR Book »

« POP UP - AR Book »

« Directed projections and Video Mapping »

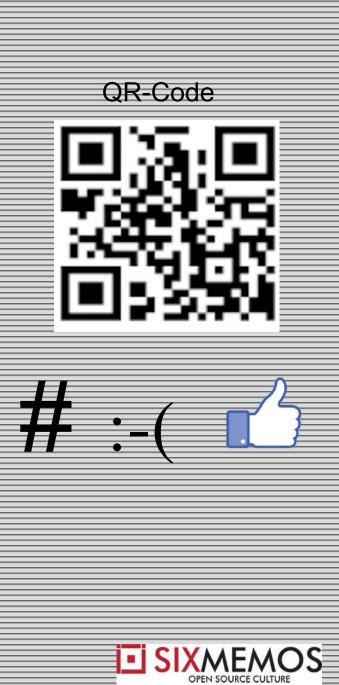






# Illegible script of unknown peoples BRUNO MUNARI

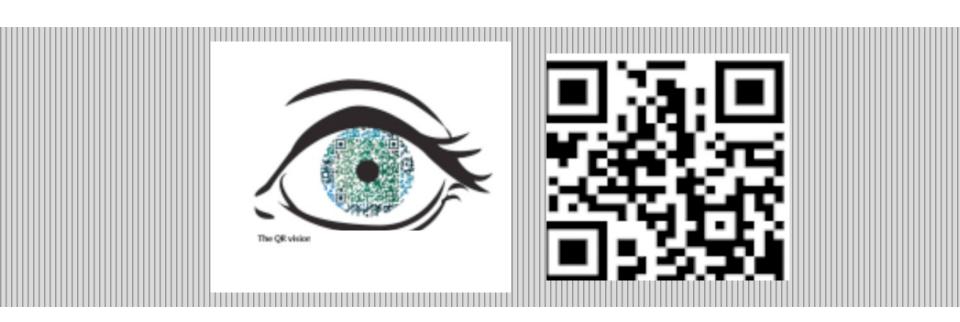
"I tried to invent other rules and to design other probable writings. Nice to see but unreadable as an encrypted printout of a computer"



How far can we go in the modification of a sign, as symbol/writing, using disruptive actions on his graphic representation, without causing in it a drift, a loss of meaning or sense, right down to become unreadable?



#### QR-Code





#### Samples of signs

v

#### **Problem**

> what are they? Do you know someone?....(QR-Code) what instruments can we use to read them? (Tablet,

#### Smartphone)

do you want to try to invent a personal alphabet? how can we do that? What tools? Which media?

#### Materials Instruments

- > white papers red papers black papers (A4)
- > scissors black and red markers glue hardware: tablet - smartphone software: QR-Code generator

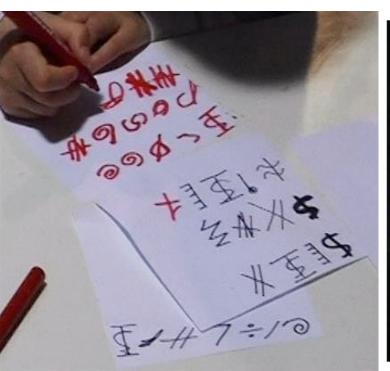
# Technical demonstration

> input



Qr-Code & Illegible script of unknown peoples Roma Museo Explora 28 marzo 2013













# Unreadable Book BRUNO MUNARI

"They should give the feeling that books are objects made so and that they contain inside a big variety of surprises. Culture is made of surprises, that is, what was unknown before".

#### WORKSHOP

Unreadable Book and AR Book Roma - Museo Explora 29 marzo 2013





Unreadable Book and AR Book Roma - Museo Explora 29 marzo 2013 Santarcangelo di Romagna (RN) 25 maggio 2013









Directed projections - BRUNO MUNARI

"The modern living has provided us with music in compact discs (given that nobody thinks to invite an orchestra at home to hear some music), Now it gives us the projected painting; and every man can have, close to his personal discotheque, his personal gallery with numbered copies of original painting to project".

Video Mapping





Camera Picta
MANTEGNA







Light-Space-Modulator László Moholy-Nagy



Directed projections (1950) and film I colori della luce (B. Munari e M. Piccardo, 1963) Palazzo Ducale, Sassuolo (MO), 2008

#### **BRUNO MUNARI**









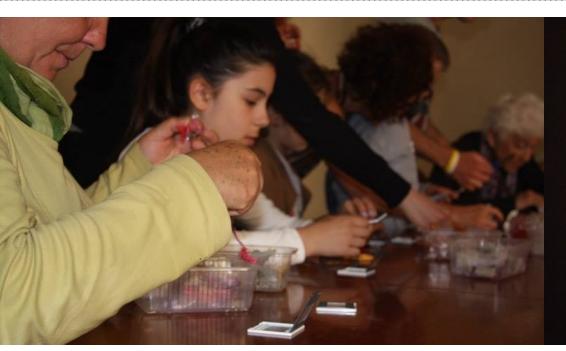
Directed projections (1950) and film I colori della luce (B. Munari e M. Piccardo, 1963) Palazzo Ducale, Sassuolo (MO), 2008

**BRUNO MUNARI** 



Directed projections and Video Mapping

Casciana Terme (PI) 31 maggio - 1-2 giugno 2013







Directed projections and Video Mapping

Casciana Terme (PI) 31 maggio - 1-2 giugno 2013







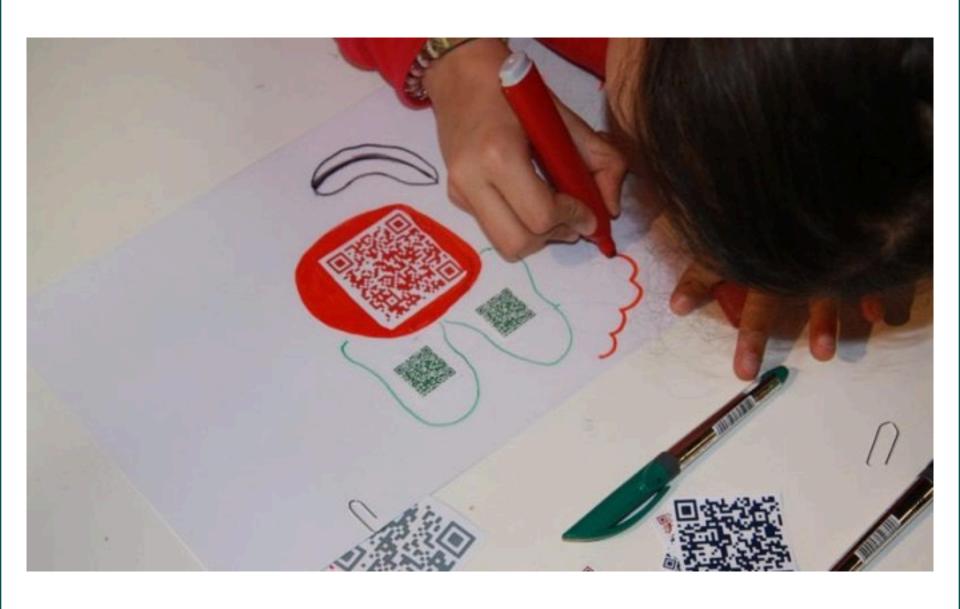
Bologna 2017

Drifting Codes/QrCode Art Roma - Museo Explora 29 marzo 2013



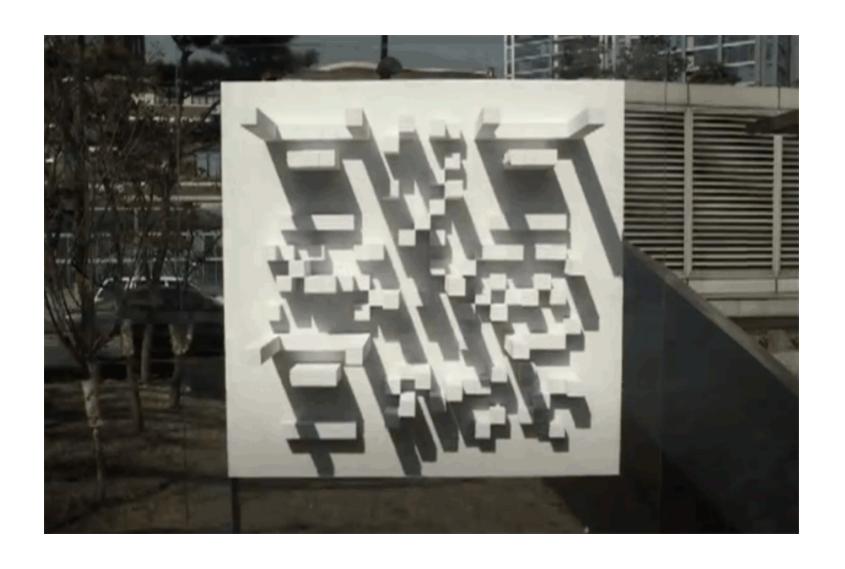












What happens if we intervene graphically on the QR-Code code?

Will we still read our message?

How we do it?

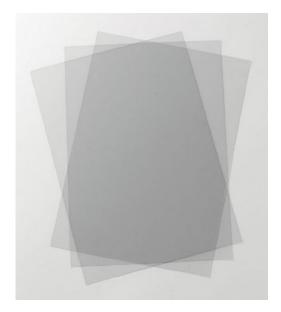
What tools can we use?

Which media?









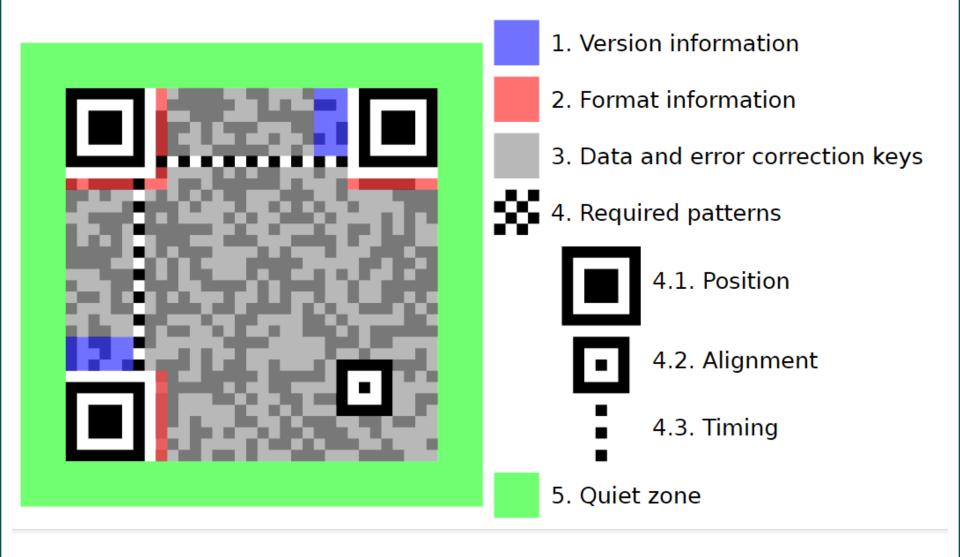


**CONSTRAINTS (VINCOLI)** 

Acetates: use 2

Step 1> create the elaborate and verification reading of the first level: 20 min.

Step 2> creating the second level and verification reading of the two superimposed levels: 20 min.



Find the action
Exploring changes
Measure the limits
Multiply the points of view
Research the Similarities
Displace the habits