

PERCEiVE

Perceptive Enhanced Realities of Colored collEctions
through al and Virtual Experiences

a cultural
probe kit
on caring
attitude

activity book
diary & art practises

for designers to explore and solicit
care in Cultural Heritage domain

This work was originally part of a research project conducted by CNR ISPC and the University of Bologna – DHDK (Interactive Media Design course). It has been developed within PERCEIVE project on the study of caring attitude and place attachment.

PERCEIVE, Perceptive enhanced realities of colored collections through AI and virtual experiences (Grant Agreement N. 101061157) has received funding from the European Union’s Horizon Europe research and innovation program, <http://www.perceive-horizon.eu>

It is used to explore the complexity of Caring concept, providing it in its paper version to groups of potential users of interactive media applications in the field of Cultural Heritage.

The authors agree to enable scholars to use it free of charge, quoting it as:

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My Cultural Probe Kit

Number __

Dear Friend, this is a kit made for you. It is called “Cultural Probe Kit” because it is used by designers to explore cultural behaviours and needs of their audience, in the creation of digital applications.

It will be with you for the next 15 days. Please take care of it. It is composed by four parts.

This is the first.

We are a team of researchers of the National Research Council Institute of Heritage Science (CNR ISPC), and a group of master students of DHDK at the University of Bologna.

Your contribution is anonymous; we ask you to NOT add your name and to SIGN here below, that you have read and agree with the instructions and with the potential use of the results for scientific publications, without any reference to personal indications.

Date

Signature

Instructions

In this activity book (part 1 of the Kit) you are asked to complete **7 tasks** related to Caring attitude and Place Attachment.



After you have completed these activities, you can proceed and work on your diary (part 2 of the Probe Kit).

After the diary, there will be a second activity book (part 3) dedicated to a Read and Reflect task. In some cases, you're going to write or draw directly in this book. In other cases, you're going to write your comments and answers online, using a QR code to find the links. The last section is dedicated to an art activity.

You have 15 days to finish all activities.

When you have finished, you can take it back to the researcher or assistant who gave it to you, or you can keep it, if you like. In this case we ask you to take pictures or scan every page and upload them at this link:

<https://forms.gle/CkMzCh9DoDt58WSF7> (alternatively you can scan this QRcode to access it).





My Cultural Probe Kit

1: my Activity Book

Authors (G. Fiorenza)



Activity 1

Who am I?

Frame this QRcode with your phone and follow the link to answer to a few questions about you. If you prefer you can answer directly in this book.



Please Include here the number of your kit: _____

Year of Birth* _____

Nationality* _____

Your English Level*

- You can understand sentences and frequently used expressions related to areas of most immediate relevance;
- You can understand main points of clear standard input on familiar matters regularly encountered in work, school, leisure, etc. You can deal with most situations;
- You can understand main ideas of complex text on both concrete and abstract topics, including technical discussions in your field of specialisation. You can interact with a degree of fluency and spontaneity;

- You can understand a wide range of demanding, longer texts, and recognise implicit meaning. You can express yourself fluently and spontaneously;
- You can understand with ease virtually everything heard or read. You can summarise information from different spoken and written sources, reconstructing arguments and accounts in a coherent presentation. You can express very fluently and precisely

What is your last degree? (i.e. undergraduate, graduate, master, phd, etc.)*

In which field you took your last degree? (i.e. Humanities, Economics, etc.)

How often do you visit sites or Monuments?*

Never 1 2 3 4 5 Often

How often do you visit museums?*

Never 1 2 3 4 5 Often

How often do you visit temporary exhibitions?*

Never 1 2 3 4 5 Often

With whom do you visit sites or museums? *

- Alone Friends Colleagues Family School
- Strangers in guided visits Other: _____



Activity 2

I CARE

This space is here to host your thoughts and feelings regarding Caring Attitude. Please read the initial suggestion and feel free to write your stories and your life episodes, that would be treated anonymously (we will not know your name) and shared **ONLY** if you allow us to do so.

If you want to leave your email, it will be used to send your stories back to you.

Email *

Indirizzo email valido

When you have done take a picture of the paper or upload the PDF or Word file at this link:



Read again your story and reflect

Which emotions did you feel before and after acting?

Why did you feel such emotions?

Did you expect something back, a feedback or anything else?

yes no

What were you expecting?

Read again your story and reflect

How did you feel?

Did you expect something back, a feedback or anything else? what were you expecting?



Activity 4

What do we care? |Knowing what we care

Have a look to this picture. Do you know what is it?*



yes no

Rate your intensity of your feeling of care towards the picture and what is represented

1 2 3 4 5 6 7 8 9 10

Don't
care

I feel a very strong feeling of
care

Would you like to know something about this place, i.e. reading articles, videos etc? Rate how much you would be willing to find information on it.

1 2 3 4 5

I am not particularly
interested in finding
information

I am really interested in
finding information



Activity 5

Knowing what we care (2)

What you have seen in the previous picture, is the famous "Scala dei Turchi" in Sicily, a naturalistic jewel and a popular destination for tourists from all over the world because of the shining whiteness that characterises the stone. Recently, "Scala dei Turchi" has been smeared with red paint by some vandals, arousing general indignation. A wonder of nature has been ruined. Here you can see how it looked, before being smeared. Again, rate the intensity of your feeling of care towards this place



1 2 3 4 5 6 7 8 9 10

I don't
care

I feel a very strong sense of
care

would you be interested to know more about this place?
please rate now your interest in searching for more info
about this place.

1 2 3 4 5

I am not interested at all

I am very interested to search
more information about the
place and I will do



Activity 6

Knowing what we care (3)

Have a look to this picture. In this case, how would you rate the intensity of your feeling of care?



1 2 3 4 5 6 7 8 9 10

I absolutely
don't care



I have a very strong
sense of care

According to the journal *Biological Conservation*, on farms, human activities reduced the diversity and number of spiders. The use of insecticides and forest fragmentation were among the activities that challenged spider survival. And this is a danger because we will lose the important environmental services spiders provide.

Indeed, if they disappeared, we would have no cultivated food to eat. Spiders are the primary controllers of insects,

so, without them, all of our cultivated food would be consumed by pests.

Again, rate the intensity of your feeling of care towards spiders and their disappearance

1 2 3 4 5 6 7 8 9 10

I don't care I care a lot

Would you like to search for more information about the spiders and how/why they are so important? Rate your interest

1 2 3 4 5

I am not interested I would like to search for more information

If you had two options for saving spiders, What option would you choose?*

- the first includes that you save 100 spiders of a farm in your country from dying
- the second includes that you save only one spider, but you get a monthly report with images and videos explaining how your saved spider is doing and what good things it is working on

Last question: If you could either help to restore "Scala dei Turchi" or help to save all the spiders in your country, what would you do? and Why?



Activity 7

Knowing what we care (5)



Take 10 minutes off, frame this QRcode, Watch and Reply

The lost treasures of the Buddha of Bamyán



When you think about our cultural heritage, historical monuments, archaeological sites, artworks, artefacts coming from the past, but also other types of intangible heritage such as artisanship or music, that are lost forever, such as for the Buddha of Bamiyan, or are in danger, What moves/moved you?

What kind of storytelling would make you more sensitive?

- descriptive (like in a documentary and third person)
- narrative (like with first person experience)
- dramatic

If you had the chance to do something, would you act?

- Yes
- No
- Maybe If I am asked
- Maybe if I could do something

and what would you do?*

What kind of digital tool or media would make you more sensitive about this topic?

Thanks for your contribution!

Now that you have finished, you can take the Activity Book back to the researcher or assistant who gave it to you, or you can keep it, if you like.

In this case, we ask you to take pictures or scan every page and upload them at this link [<https://forms.gle/CkMzCh9DoDt58WSF7>] or scan the QRcode to access the link and upload it.





My Cultural Probe Kit

2: my Diary

Authors (G. Fiorenza, S. Pescarin)

Number ____

Starting Date _____

Dear Friend, this little diary will be with you for the next 8 days. Please take care of it. It the second part of you “cultural probe kit”. It is used by designers to explore behaviours and needs of their audience.

It will be a way also for you to reflect on your life and on concepts such as “social cohesion” and on the role of interactive technologies.

We are a team of researchers of the National Research Council Institute of Heritage Science (CNR ISPC), and a group of students of the master DHDK at the University of Bologna.

Your contribution will be anonymous; we ask you to NOT add your name and to sign that you have read and agree with the instructions and with the potential use of the results for scientific publications, without any reference to personal indications.

Date

Signature

Diary Instructions

This diary is the second part of your Cultural Probe Kit. You are going to fill in and complete it after part one (Activity Book). It is going to help you in focusing and reflecting. Every day, possibly before going to sleep, you are invited to think about your day, following suggestions about social cohesion. Write everything sincerely, in these pages. Your diary is anonymous, and we will respect your ideas and privacy.

You have 8 days to complete the diary

When you have finished, you can take it back to the researcher or assistant who gave it to you, or you can keep it, if you like. In this case we ask you to take pictures or scan every page and upload them at this link: <https://forms.gle/CkMzCh9DoDt58WSF7> or scan the QRcode to access it.



Date: _____

DAY 1

Today I cared for Someone or Something: yes no
I cared for:

- someone*
- something*

It/he/she was: _____

I knew him/her/it before: yes no

This is what happened:

He/she/it made me feel: _____

I thought I should care because:

I thought I should act/react to help/contribute, by
doing: _____

Or did I feel I was *not able to act* today, despite the
sensation I should do something? yes no

Did I expect something *in return*? yes no

What? : _____

Today, I heard about *someone else* who did
something to take care, and this made me feel:

Date: _____

DAY 2

Today I cared for Someone or Something: yes no
I cared for:

- someone*
- something*

It/he/she was: _____

I knew him/her/it before: yes no

This is what happened:

He/she/it made me feel: _____

I thought I should care because:

I thought I should act/react to help/contribute, by
doing: _____

Or did I feel I was *not able to act* today, despite the
sensation I should do something? yes no

Did I expect something *in return*? yes no

What? : _____

Today, I heard about *someone else* who did
something to take care, and this made me feel:

Date: _____

DAY 3

Today I cared for Someone or Something: yes no
I cared for:

- someone*
- something*

It/he/she was: _____

I knew him/her/it before: yes no

This is what happened:

He/she/it made me feel: _____

I thought I should care because:

I thought I should act/react to help/contribute, by
doing: _____

Or did I feel I was *not able to act* today, despite the
sensation I should do something? yes no

Did I expect something *in return*? yes no

What? : _____

Today, I heard about *someone else* who did
something to take care, and this made me feel:

Date: _____

DAY 4

Today I cared for Someone or Something: yes no
I cared for:

- someone*
- something*

It/he/she was: _____

I knew him/her/it before: yes no

This is what happened:

He/she/it made me feel: _____

I thought I should care because:

I thought I should act/react to help/contribute, by
doing: _____

Or did I feel I was *not able to act* today, despite the
sensation I should do something? yes no

Did I expect something *in return*? yes no

What? : _____

Today, I heard about *someone else* who did
something to take care, and this made me feel:

Date: _____

DAY 5

Today I cared for Someone or Something: yes no
I cared for:

- someone*
- something*

It/he/she was: _____

I knew him/her/it before: yes no

This is what happened:

He/she/it made me feel: _____

I thought I should care because:

I thought I should act/react to help/contribute, by
doing: _____

Or did I feel I was *not able to act* today, despite the
sensation I should do something? yes no

Did I expect something *in return*? yes no

What? : _____

Today, I heard about *someone else* who did
something to take care, and this made me feel:

Date: _____

DAY 6

Today I cared for Someone or Something: yes no
I cared for:

- someone*
- something*

It/he/she was: _____

I knew him/her/it before: yes no

This is what happened:

He/she/it made me feel: _____

I thought I should care because:

I thought I should act/react to help/contribute, by
doing: _____

Or did I feel I was *not able to act* today, despite the
sensation I should do something? yes no

Did I expect something *in return*? yes no

What? : _____

Today, I heard about *someone else* who did
something to take care, and this made me feel:

Date: _____

DAY 7

Today I cared for Someone or Something: yes no
I cared for:

- someone*
- something*

It/he/she was: _____

I knew him/her/it before: yes no

This is what happened:

He/she/it made me feel: _____

I thought I should care because:

I thought I should act/react to help/contribute, by
doing: _____

Or did I feel I was *not able to act* today, despite the
sensation I should do something? yes no

Did I expect something *in return*? yes no

What? : _____

Today, I heard about *someone else* who did
something to take care, and this made me feel:

Date: _____

DAY 8

Today I cared for Someone or Something: yes no
I cared for:

- someone*
- something*

It/he/she was: _____

I knew him/her/it before: yes no

This is what happened:

He/she/it made me feel: _____

I thought I should care because:

I thought I should act/react to help/contribute, by
doing: _____

Or did I feel I was *not able to act* today, despite the
sensation I should do something? yes no

Did I expect something *in return*? yes no

What? : _____

Today, I heard about *someone else* who did
something to take care, and this made me feel:

Thanks for your contribution!

Now that you have finished, you can take the diary back to the researcher or assistant who gave it to you, or you can keep it, if you like.

In this case, we ask you to take pictures or scan every page and upload them at this link [<https://forms.gle/CkMzCh9DoDt58WSF7>] or scan the QRcode to access the link and upload it.





My Cultural Probe Kit

3: my Activity Book Read & Reflect

(S. Pescarin)

Number __

Activity 8

Caring and Acting for Future Generations

Have a look to this picture. Do you know what it represent? The famous two towers of Bologna. But perhaps you don't know something...



At 97.2 meters, The Torre degli Asinelli is the tallest leaning medieval tower in the world. It was built between 1109 and 1119 and is one of the twenty towers that have survived the centuries. The Torre degli Asinelli has a little sister, the Garisenda tower. These two towers are the symbols of Bologna. These towers, due to problems in the subsoil, are unfortunately collapsing and it is foreseen that in 10 years, the city will assist in the collapse of the first tower, the Asinelli, while the second will probably be ruined between 20 and 30 years. As you can imagine, it will be such a tragedy for the city. Nevertheless, public opinion in the last years doesn't seem to care or to take it seriously. In most cases, people tend to take scientific diagnostic

data of the central institute for restoration, as not reliable.



On the other hand, these data are still taken reserved and not accessible. Only the authorities are aware of this data, but at the moment it seems that what has been invested - it was reported by the team of conservators - covers only 10% of what would be needed to avoid the disaster. In the meantime, tourists keep on visiting the Asinelli tower, unaware of what we are writing. Did you know anything about that?

yes no

Thanks for your contribution!

Now that you have finished, you can take the last task of the Activity Book back to the researcher or assistant who gave it to you, or you can keep it, if you like.

In this case, we ask you to take pictures or scan every page and upload them at this link [<https://forms.gle/CkMzCh9DoDt58WSF7>] or scan the QRcode to access the link and upload it.





My Cultural Probe Kit

4: Art Practices Activity with Colours

Authors (M. Veggi)

Number ____

Starting Date _____

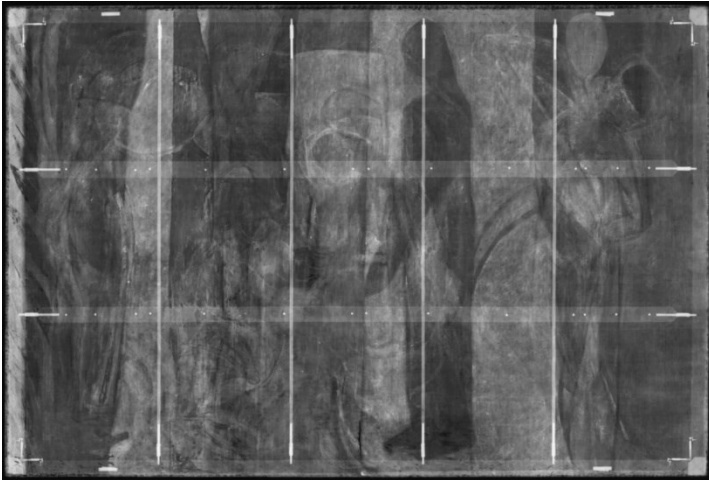
Instructions For Designers

Activity 9

Participants are divided in two groups (Group 1 is shown the title of the artwork: Group 2 NOT).

The moderator shows to participants a conservation science analysis of a painting, projected on a screen or in a museum (i.e. a black and white image of an X-Radiography or VIL or UV, etc.).

The same image will appear on a tablet or a touchscreen in front of each participant (in this case the *Bathers by a River* by Matisse, now exhibited at the Art Institute Chicago).



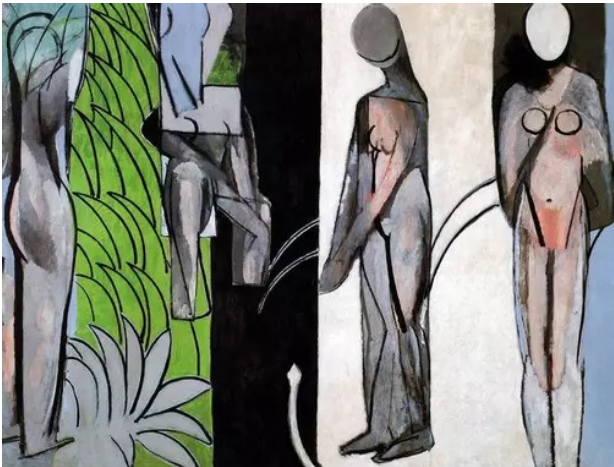
Matisse, Bathers by a River, X-Ray scan (D'Alessandro 2019)

Participants are invited to create a personal interpretation and a personal artwork by drawing directly on the grey image in the tablet or touchscreen.

Palettes of colours are provided to them (in this case two palettes: one belonging to final version of the same artwork and one from its initial version), so that they can choose and use those colours to draw.

After the end of the activity, the moderator asks participants to upload their artworks.

The moderator, at this point, shows the original artwork and describes it, explaining it.



Participants are asked to share among them their artwork and explain their intention or understanding, prior and after the explanation.

At the end a questionnaire is filled out to better understand meaningfulness elements and how caring attitude has eventually emerged with this approach.

The adopted protocol is described at <https://www.protocols.io/view/a-first-experimental-protocol-on-creative-engageme-6qpvr367bvmk/v1>

Instructions for participant

This activity is organised by a moderator and agreed with you about date and time you are available. It will require only between 30 min and 1 hour of your time.

You will be involved with other people in an artistic activity meant to make you curious about an artwork and its colours.

Don't worry if you don't have artistic interests, the final goal is to feel engaged and spend a nice time with art, reflecting on something new.

Write an e-mail or contact the assistant who gave you this booklet, when you have completed the last activity and arrange a meeting.

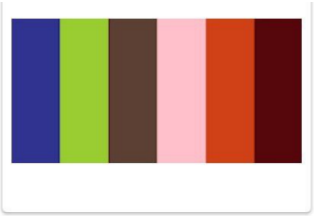

Please answer to these questions

Here there are some aspects about *Bathers by a River* that have been covered by *MyTISSE*.

Please order them from the one you perceived as most important (1) to the less relevant one (5)

- The fact that it was conceived together with other two famous paintings;
- The impact of the war;
- The change of colour;
- The possibility to reconstruct the versions painting through conservation data;
- The contact with other artistic avant-gardes (e.g. Cubism).

During the experience, two colours palettes have been proposed. Which one did you choose?

	
<input type="radio"/> Palette A	<input type="radio"/> Palette B

Why did you choose it? What do you associate these colours with? It can be any image, memory, emotion, concept etc

Which are the feelings you associate to the painting?
Rate them from 1 (not at all) to 5 (a lot)

- Anger
- Disgust
- Fear
- Interest
- Joy
- Sadness
- Surprise
- Trust

The Art Institute of Chicago is conducting further research on *Bathers by a River* to better document this artwork as it is undergoing an irremediable corrupting process. In few years, the damages to the pictorial film may be unrepairable. How much would you be sorry for this loss from 1 (I don't care) to 5 (I'd be very sorry)?

1 2 3 4 5

"Looking at *Bathers by a River* helped me".
Do you agree with this statement? If yes, why?

Would you like to see the reinterpretations created by the other participants of this experiment?

yes no

Would you like to participate in similar activities or workshops organized by museums and art galleries?

yes no

Have you ever studied the Parisian artistic context in the between 19th and 20th century?

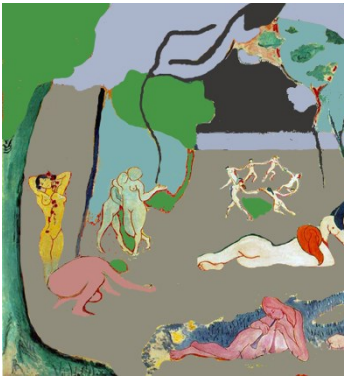
- Yes, in high school
- Yes, at university
- Yes, in other contexts
- No

Bathers by a River is a famous artwork and different artists reinterpreted it in different ways. Which ones are the feeling you associate to this version painted by an anonymous artist? Rate from 1 (not at all) to 5 (a lot)



- Anger
- Disgust
- Fear
- Interest
- Joy
- Sadness
- Surprise
- Trust

Consider this second painting. Which ones are the feeling you associate with this canvas? Rate them from 1 (not at all) to 5 (a lot):



- Anger
- Disgust
- Fear
- Interest
- Joy
- Sadness
- Surprise
- Trust

Which title would you give to this second new painting?

Some last questions about yourself:

Did you have previous knowledge on art history?

yes no a little

Did you have previous knowledge on conservation science?

yes no a little

Do you like to draw, paint or any other creative activity?

- I don't do art and I am not a creative person
- I like to create some art from time to time
- I like it a lot and I am often creative

Would you say you belong to:

- Citizens in general
- Professors or teachers or educators
- Students
- Professional in the field of museum (specify _____)
- Professional in the field of ICT
- Professional in the Creative Industries (specify _____)
- Conservation scientists
- Researchers or scholar in a Cultural Heritage or Art domain
- Other

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