The power point that I used in Barcelone is a bit heavy due to videos and drawings.

The following slides, presented elsewhere could be of help, associated to these references:


Art and science integration: three case studies -
ART AND SCIENCE INTEGRATION : WHAT?

Art and science integration is about conducting an hybrid practice of scientific and artistic research.

- Artists are researcher
- Scientists are researcher
  - They work tightly together.

It is not about

- Instrumentalizing scientists to renew artistic practices
- Instrumentalizing artists to better convey the scientific discourse
- It is not about scientist expressing their creativity through their hobby
  - It is about not stepping on complicated susceptibilities
ART AND SCIENCE INTEGRATION: THEN WHY?

It is about
- Rearticulating knowledge
- Making sense of art, and of subjects
- Cross fertilization in times of questioning

A scientific practice leading to
- Reconceptualization
- Renewed methods
- Embeddedness of scientific knowledge at the production phase, but not only

Holism, this time including culture
Data collection device
Performativity
ART AND SCIENCE INTEGRATION: HOW AND WHO?
IN A NUTSHELL PART 2

=> What can philosophy teach us in order to justify AND achieve successfully such a reconfiguration

=> What can other experiences stemming from addressing other coastal/marine issues can teach us.

=> How could we conceptualize our ability to do things with words

All this connected to the specifics of looking into plastic issues
IN A NUTSHELL PART 3

Rules
1. You will determine the content of my talk
2. Yet your choice is limited to three options
3. You will thus vote for one, and only one of these topics
4. I will do the counting and final arbitration

=> 1 HOW DO WE CONCEPTUALIZE SUCCESSFUL INTERDISCIPLINARY PRACTICES
=> 2 HOW IS INTERDISCIPLINARY WORK CONDUCTED AT THE COAST
=> 3 HOW DO WE GENERATE CHANGE BY PRODUCING (SCIENTIFIC) WORDS.

All this connected to the specifics of looking into plastic issues
HOW DO WE CONCEPTUALIZE SUCCESSFUL INTERDISCIPLINARY PRACTICES?
HOW IS INTERDISCIPLINARY WORK CONDUCTED AT THE COAST, ON THE OCEAN?
3 HOW DO WE GENERATE CHANGE BY PRODUCING (SCIENTIFIC) WORDS?
TOPIC 1: HOW DO WE CONCEPTUALIZE SUCCESSFUL INTERDISCIPLINARY PRACTICES
Two philosophical thoughts very much and very differently impacted by Nazism and the second world war.
We, modern, enlightened human, did lack the discipline needed to assess, question, the practices that led to our takeover of the world:

1. We established artificial segmentations of reality.
2. We asserted undue control over nature and other humans.

=> This opens three leads
1. Need for reflexivity
2. Need to acknowledge that the world is One
3. We must question, and get rid of, relationships of domination
Metaphors are the closest thing to reality (the further from ideology):

1. **Metaphor of the Book of nature:**

2. **Why would we want to access the book of nature?**
   1. To be amazed by the beauty of nature
   2. To become the equivalent of its creator.
INTERDISCIPLINARITY AND REFLEXIVITY ARE INTERTWINED

Was it just possible to follow this demonstration?
  - No!!! Too many shortcuts, let's simply connect some of the key concepts by turning them into metaphors.

Failure of our unique ability to transform knowledge into action that protects us from ourselves.

1. Find its origin in segmentation => we need to reconnect the disconnects
2. Find its origin in domination => we need to question our actions

Yet fighting disconnection may be generated by a desire to ascertain power – while what is needed is to face the wonders that the world offers to us.

=> Extreme care must be taken when engaging into interdisciplinary practices

This care may take the form of a deeply embraced practice of reflexivity.
Three Modes of Interdisciplinary Practices


THREE MODES OF INTERDISCIPLINARY PRACTICES


Figure 4: Integrated, adaptive and critical spiral: Reflexivity to empower
TRICKS AND TOOLS

Share your rules explicitly
Be explicit about power imbalance
Share your intentions explicitly

Use metaphors, both for what you analyze jointly AND for your practice

Do not try to guess what the other thinks, use language to be explicit about what you think about the subject and the process.
TOPIC 2: HOW IS INTERDISCIPLINARY WORK CONDUCTED AT THE COAST

Four short stories
Fisheries
ICZM
Aquaculture
Adaptation to CC
FISHERIES

A story on bionomics and institutions
AQUACULTURE

A story on the Neolithic revolution, and the last frontier
and also on institutions, risk and flexibility.
ICZM

A story on the joys of working together, and on the discovery of concepts that may not be fit for function.
ADAPTATION TO CC

A story on the never ending discussions as to what words may mean, strategy polysemy, and fads.
TOPIC 3: HOW DO WE GENERATE CHANGE BY PRODUCING (SCIENTIFIC) WORDS?

Lessons from
Fisheries
ICZM
Aquaculture
Sea level rise
Performativity is the process by which semiotic expression (in language or a symbol system) produces results or real consequences in extra-semiotic reality, including the result of constructing reality itself.
AVATARS OF PERFORMATIVITY

1. Austin
Cavell, Searle
Total speech act

Identified/created/invented the concept

1;
Context
Intentions
Finality
Public
AVATARS OF PERFORMATIVITY

Identified/created/invented the concept

<table>
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Context
Intentions
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Public
Always the same, always different
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Iterability is a source of stability and of instability.
# Avatars of Performativity

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Context
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Always the same, always different
Iterability is a source of stability and of instability
**AVATARS OF PERFORMATIVITY**

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<th>Buttler, Kosofsky-Sedgwick</th>
<th>And other variations</th>
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<td>Iterability, identity</td>
<td>Embodiment of utterances</td>
<td>Is liberalism a product of economic science</td>
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Is liberalism a product of economic science?
Another way to look at it

• Attitudes/Actions be the results of a balance between three dimensions
  – Material constraints
  – Moral constraints
  – Understanding of the way the world functions

• These constraints will appear under the guise of
  – Pertinence claims
  – Normative claims
  – Evidence claims
SEMIOTIC EXPRESSION?

Scientific discourse

Science based narratives big and small

as it connects with, relate to, our desire for action
WHAT DO WE DO THEN?

We open three lines of questioning when we produce discourse

Coming from analytical philosophy:
• Context, finality, intentions, and public

Coming form continental philosophy
• Reiterations and contexts, we do not take for granted the uniqueness of meaning

Coming from risk studies
• We try to frame words, ours and those we hear with values, material contraints and paradigms, we look for dissonance, we make them explicit.
PLASTICS
Ubiquitous Appreciated
Plastic is ubiquitous.
WELL LIKED Plastic is
A FASCINATING COUPLE OF DAYS

Ubiquity and use manifests itself through a wealth of multi scale local (and not so local) actions.

We are near where theory and or experience tells us we should be.

Yet why is there still so much plastic lying around.

The world is amazing, lets keep it this way

HOW?