



SECRETARÍA DE ESTADO
DE MEDIO AMBIENTE
DIRECCIÓN GENERAL
DE SOSTENIBILIDAD
DE LA COSTA Y DEL MAR



ORGANISMO
AUTÓNOMO
PARQUES
NACIONALES
CENTRO NACIONAL DE
EDUCACIÓN AMBIENTAL



CEIDA
CENTRO DE EXTENSIÓN
UNIVERSITARIA E DIVULGACIÓN
AMBIENTAL DE GALICIA

SEMINARIO “PROTECCIÓN DEL MEDIO MARINO. PROBLEMÁTICA DE LAS BASURAS MARINAS”

Centro de Extensión Universitaria e Divulgación Ambiental de Galicia Oleiros, A Coruña

TALLER 2: MICROPLÁSTICOS. LO QUE EL OCÉANO ESCONDE: 4 Y 5 de octubre de 2018

BALANCE Y PERSPECTIVAS DESDE LAS EXPERIENCIAS EN CIENCIA PARTICIPATIVA

MICROPLÁSTICOS Y ESPACIOS PROTEGIDOS: SÍNTESIS 2009-2018 Y PRÓXIMAS ETAPAS DE PLÁSTICO CERO

Autores: Juan Baztán, Eva Cardona**, Ana Carrasco**, Quino Miguélez** y Bethany Jorgensen*.*

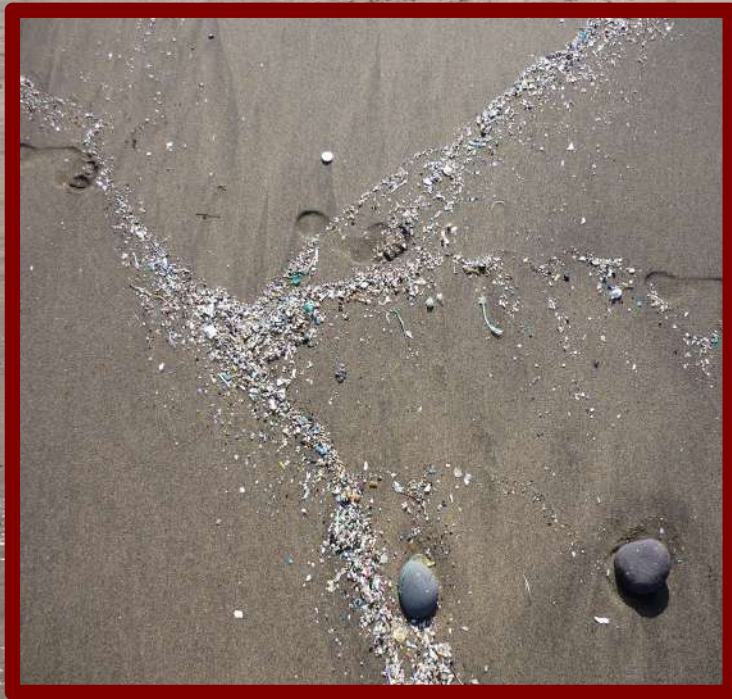
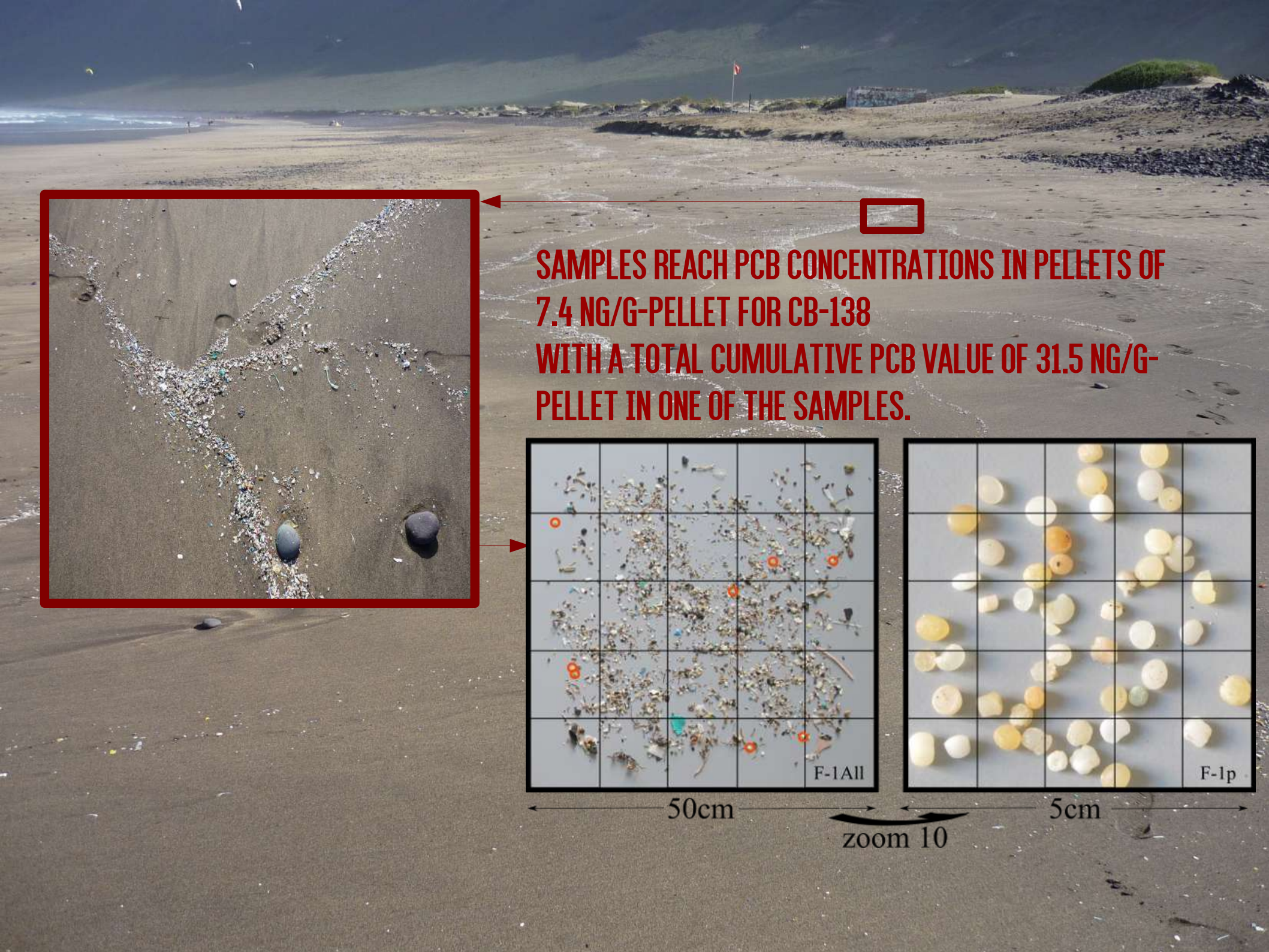
** Red de investigadores Marine Sciences For Society; ** Red Mundial de Reservas de Biosfera Islas y Zonas Costeras*



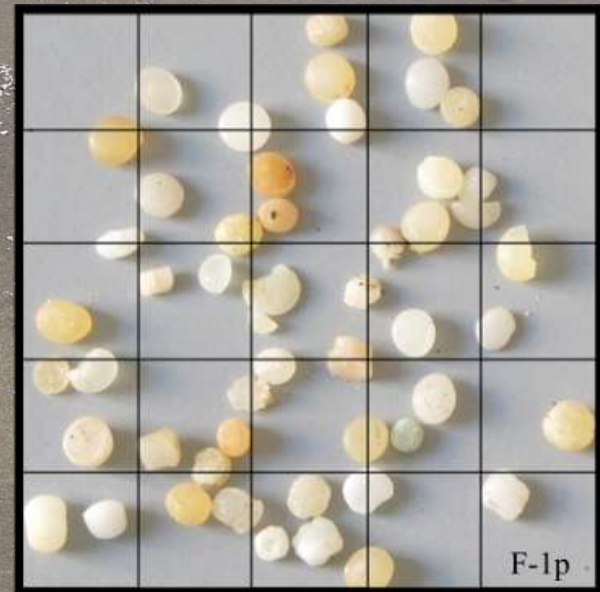








SAMPLES REACH PCB CONCENTRATIONS IN PELLETS OF 7.4 NG/G-PELLET FOR CB-138 WITH A TOTAL CUMULATIVE PCB VALUE OF 31.5 NG/G-PELLET IN ONE OF THE SAMPLES.



50cm

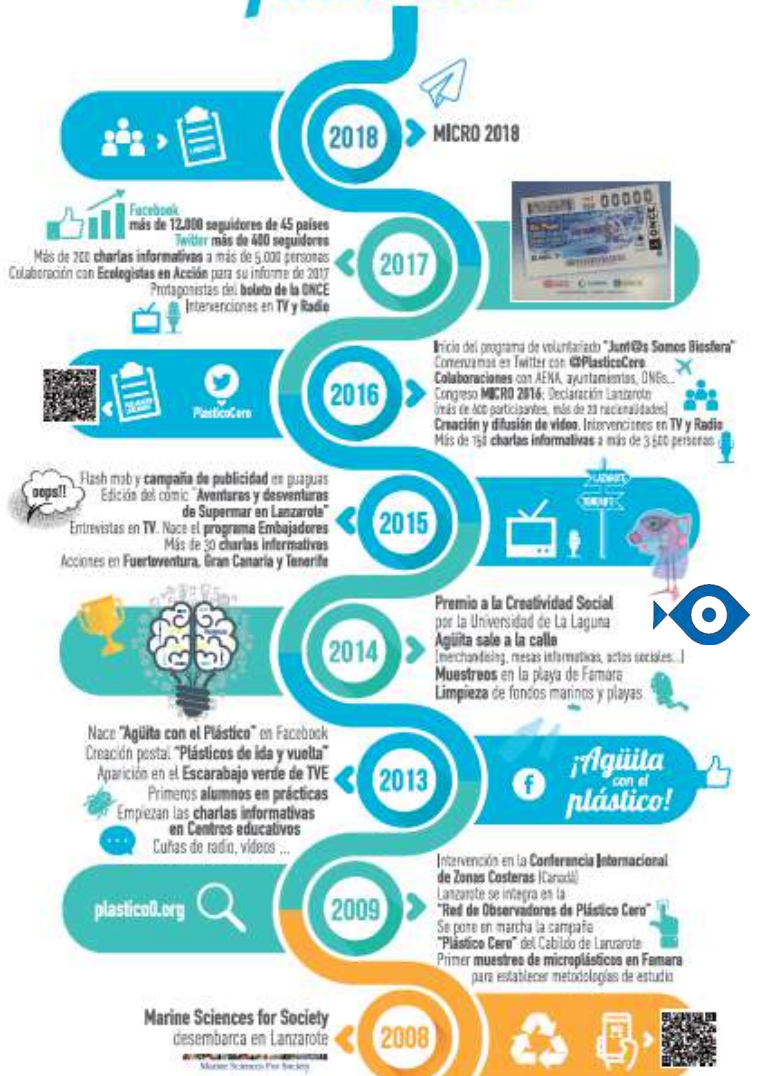
zoom 10

5cm



1M*1M ~ 2989G DE MICROPLÁSTICOS

¡Agüita con el plástico!



... ;)

www.micro2018.sciencesconf.org

www.observadoresdelmar.es

www.facebook.com/Aguitaconelplastico





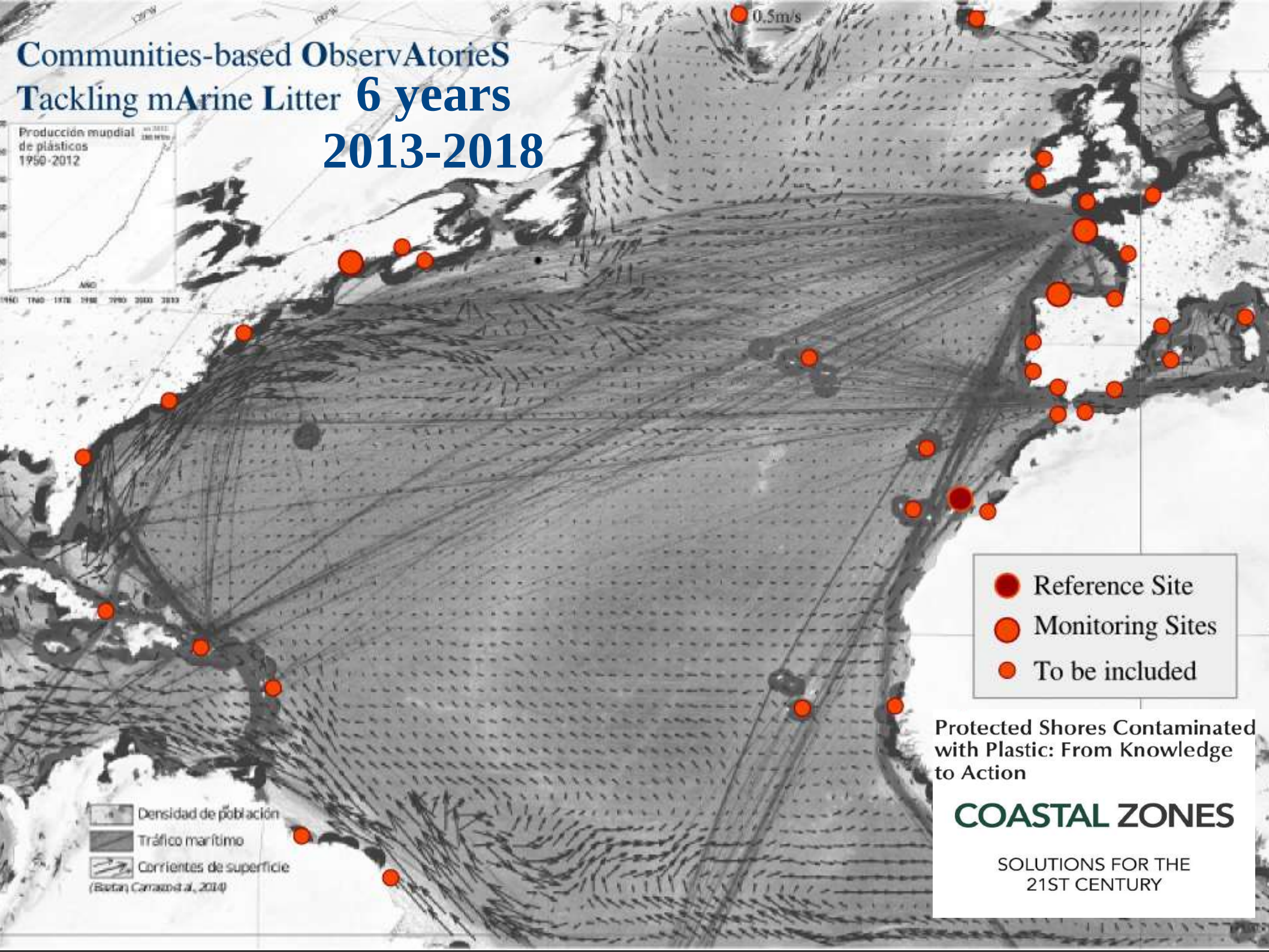
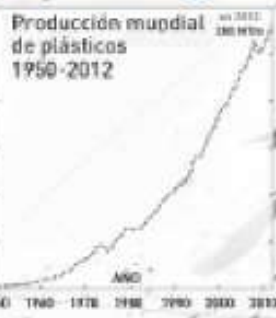
<https://twitter.com/mesurerltdmonde>







Communities-based Observatories Tackling mARine Litter 6 years 2013-2018



- Reference Site
- Monitoring Sites
- To be included

Protected Shores Contaminated with Plastic: From Knowledge to Action

COASTAL ZONES

SOLUTIONS FOR THE 21ST CENTURY

DESAFIOS...

Attitudes/Actions be the results of a balance between three dimensions :

Material constraints

Moral constraints (Values)

Understanding of the way the world functions

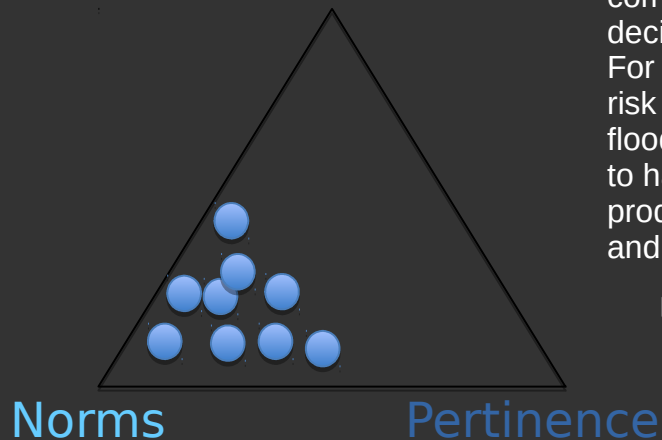
These constraints will appear under the guise of :

Pertinence claims

Normative claims

Evidence claims

Evidence



"There is very little consideration of science-based knowledge in the public's and stakeholders' attitudes toward and perceptions of flood risk. The knowledge used to frame risk belongs to the world of individual and collective experience; **values and norms occupy most of the cognitive space when framing risk.**

It appears first and foremost that stakeholders' perceptions of risk are driven by considerations that have very little to do with the hazards and associated probabilities outlined by the scientific community. For local stakeholders, risk management is mostly associated with the ability to make decisions that are compatible with the **core values** of the affected communities.

For local communities, if a solution is to be found for overexposure to flood risk, it lies in better risk governance rooted in **an explicit taking into account of the values** expressed by potential flood victims. In more general terms, our results demonstrate that, if science-based knowledge is to have its place in climate change and coastal risk governance, it is of critical importance that its production takes place through processes that allow for continual interactions with those at risk and an understanding of their values." (*Vanderlinden et al., 2017*)

nature
climate change

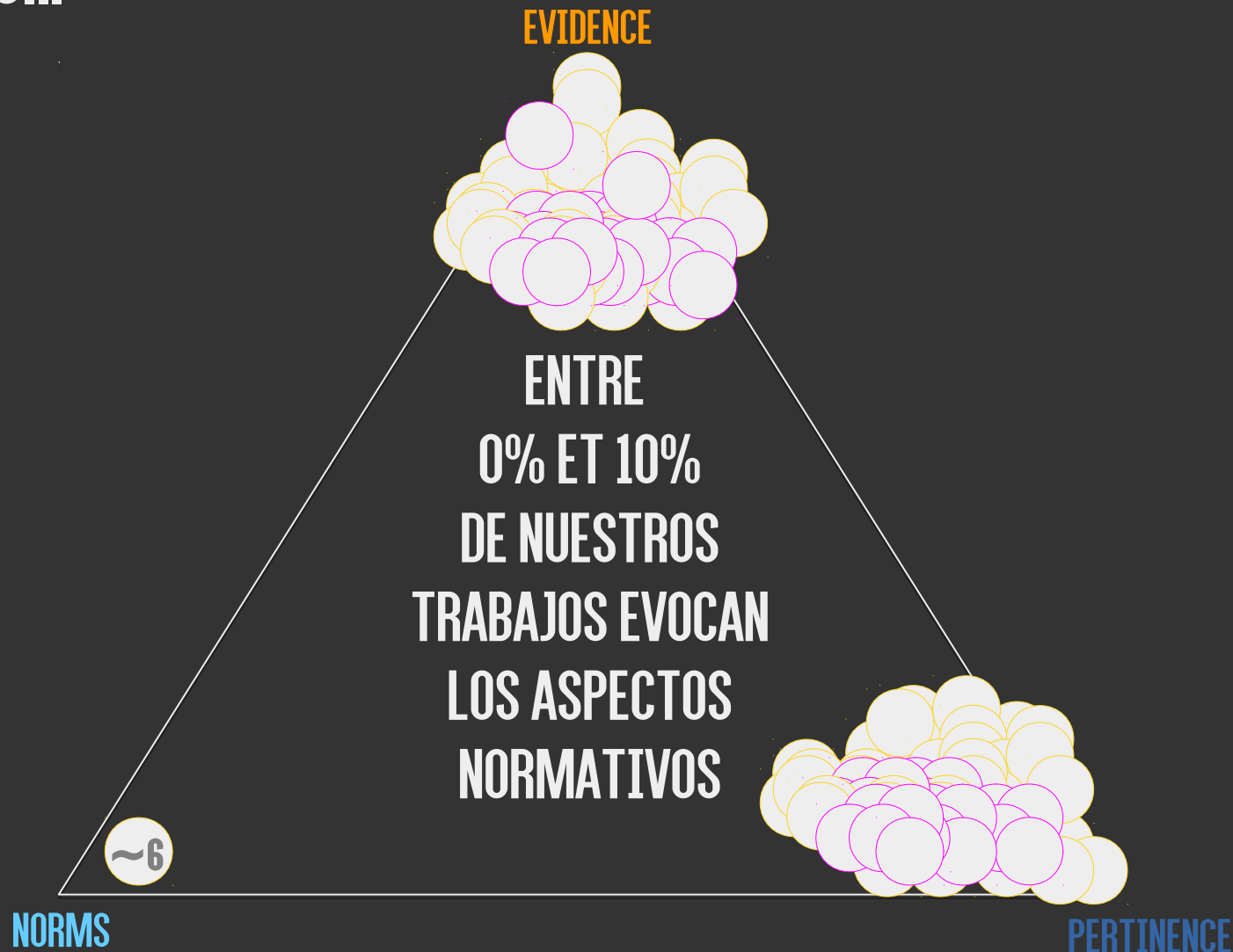
LETTERS

PUBLISHED ONLINE: 27 MAY 2012 | DOI: 10.1038/NCLIMATE1547

The polarizing impact of science literacy and numeracy on perceived climate change risks

Dan M. Kahan^{1*}, Ellen Peters², Maggie Wittlin³, Paul Slovic⁴, Lisa Larrimore Ouellette³, Donald Braman⁵ and Gregory Mandel⁶

DESAFIOS...



- . ARTICULAR LAS DISCIPLINAS ;
- . EVOLUCIONAR DE LA COMPÉTITION A LA COLABORACION ;
- . DEFINIR LA RELACION ENTRE LOS BENEFICIOS DE ALGUNAS INDUSTRIAS Y LA DEGRADACION AMBIENTAL.

INTERDISCIPLINARITY

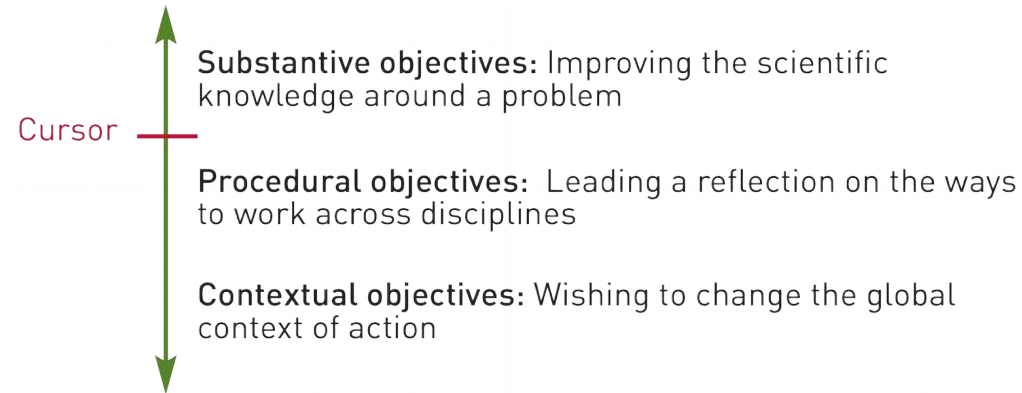


Figure 2. Objectives: three types. Example of a classification of research objectives according to their nature.

Source: Inspired by Van Den Hove, 2006

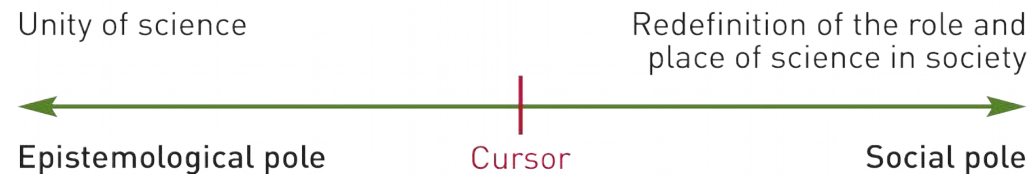


Figure 3. Objectives: two poles. Example of a classification of research objectives along the social and epistemological poles.

Source: Inspired by Creutzer, 2002

FROM BLANCHARD ET AL., 2010

INTERDISCIPLINARITY FOR THE PLEASURE OF SEEING THE WORLD AS ONE
INTERDISCIPLINARITY TO ENCOURAGE CITIZEN PARTICIPATION AND EMPOWERMENT

MICRO2018

INTERNATIONAL CONFERENCE

19-23 NOVEMBER 2018

LANZAROTE



FATE AND IMPACTS OF MICROPLASTICS: KNOWLEDGE, ACTIONS AND SOLUTIONS

MUCHAS GRACIAS

■ *Contacto: juan.baztan@uvsq.fr*