

4th International Conference on Environmental Specimen Banks.

BILBAO 2-4 OCTOBER 2017.

The **Biscay Bay Environmental Specimen Bank (BBEBB)** will host in Bilbao during the first days of October 2017 the **4th International Conference on Environmental Specimen Banks (ESBs)** <http://www.ehu.es/esb2017>.

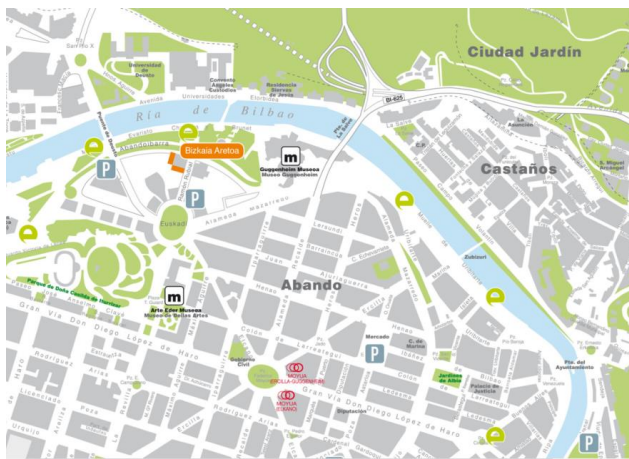
BBEBB is located in the Plentzia Marine Station (PiE-UPV/EHU, www.ehu.es/PIE) of the University of the Basque Country.

Previous meetings were held in Nancy (2015), Shanghai (2013), Berlin (2010), Matsuyama (2009) and Charleston (2005).

Renown experts will talk on the new challenges for ESBs regarding biological effects assessment, legislation challenges in storage, ethics and samples delivery (Nagoya Protocol), temporal and special trend data for regulated substances and and chemicals of emerging concern, case studies and new banking initiatives.

Venue Bizkaia Aretoa – University of the Basque Country.

<http://www.ehu.es/es/web/bizkaia-aretoa>



Address:

Avenida Abandoibarra, 3.
48009 Bilbao

GPS coordinates:

43.26867,-2.93752



ORGANIZING COMMITTEE

(Biscay Bay Environmental Specimen Bank (BBEBB))

Manu Soto	Ionan Marigomez	Nestor Etxebarria
Ibon Cancio	Urtzi Izagirre	Xabier Lekube
Eider Bilbao	Oihane Diaz de Cerio	Alberto de Diego

Research Centre for Experimental Marine Biology & Biotechnology

Plentzia Marine Station. University of the Basque Country. (PiE-UPV/EHU)
<http://www.ehu.eus/PIE/>

SCIENTIFIC COMMITTEE

Manu Soto (PiE-UPV/EHU)
Jan Koschorreck (Federal Environment Agency, Germany)
Olivier Donard (LCABIE, IPREM, CNRS University of Pau (France))
Anders Bignert (Swedish Museum of Natural History, Sweden)
Valeria Dulio (INERIS/NORMAN)
Nicholas Pade (MBA & EMBRC)
Ionan Marigómez (PiE-UPV/EHU)
Nestor Etxebarria (PiE-UPV/EHU)

SESSIONS & CHAIRS (not confirmed)

- Spatial and temporal trends for emerging contaminants Tracking emerging contaminants in archived samples: technological challenges. OLIVIER DONARD & ALBERTO DE DIEGO
- Non Target Screening and environmental specimen banking. MARTIN SCHLABACH & NESTOR ETXEBARRIA
- Nagoya Protocol, genetic resources, sample delivery and role of environmental specimen banks. NICHOLAS PADE & IBON CANCIO
- New ideas and applications for environmental specimen banks*. JAN KOSCHORRECK & XABIER LEKUBE
- Long term trends & monitoring programs: case studies. ANDERS BIGNERT & MANU SOTO
- Assessing contaminants and health status of marine mammals from Biscay Bay and other regions BRUNO COZZI & URTZI IZAGIRRE
- Wrap-up & Closing. IONAN MARIGÓMEZ, VALERIA DULIO

* Oral contributions to this Session will consist of 5 minutes talks on “hot” topics. Powerpoint support is not needed although abstract should be sent as for the rest of the Sessions.

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PROGRAMME

2nd of October (Monday)

REGISTRATION. 9:00-11:00

WELCOME. 11:00- 11:15

OPENING TALK. 11:15-11:45

Coffee-Break & POSTER SESSION. 11:45-12:15

SESSION 1. 12:15 – 13:30.

Lunch & POSTER SESSION. 13:30-15:00

SESSION 2.- 15:00-17:00

Coffee-Break & POSTER SESSION. 17:00-18:00

SOCIALS:

Wine & Pintxos. 18:00-20:00

3rd of October (Tuesday)

SESSION 3. 9:00 – 11:00

Coffee-Break & POSTER SESSION. 11:00-12:00

SESSION 4.- 12:00-13:30

Lunch & POSTER SESSION. 13:30-15:00

SESSION 5.- 15:00-17:00

Coffee-Break & POSTER SESSION. 17:00-18:00

SOCIALS:

Excursion Plentzia Marine Station. 18:00-20:00

Congress Banquet 20:30



4th of October (Wednesday)

SESSION 6. 9:00 – 11:00

Coffee-Break & POSTER SESSION. 11:00-11:45

SESSION 7.- 11:45-13:15

Wrap-up & Closing talk (*Nicholas Pade* –MBA, EMBRC)



DEADLINES and FEES

IMPORTANT DEADLINES

Reception of abstracts: 15th June
Acceptation of Abstracts: 20th June
Inscription (early registration): 30th June

REGISTRATION FEES

Registration will not include accommodations. **The registration fees cover** attendance to the opening ceremony, scientific sessions, daily lunches and coffee breaks, visit to Plentzia Marine Station and social events.

	Before 30 th of June	After 30 th of June
Regular Participant	200 €	300 €
Students Students are required to submit a letter from his/her supervisor certifying their status.	150 €	200 €

Cancellations: A non-refundable fee of 50 € will be charged for cancellations prior to 15th July 2017. After, no refunds will be issued.

PAYMENT

Details will be provided soon

REGISTRATION FORM

Name & Family Name

Dept

Institution

Country

Telephone

email

(send this information by email to: pie@ehu.eus)

HOTELS

Bilbao offers a wide range of lodging options to meet everyone's taste and budget: hotels ranging from one to five stars, hostels, and guest houses. Accommodation for participants is not directly organized by the Congress; however, some of the hotels offer special rates. The organizing committee will give you information on accommodation very soon.

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ABSTRACTS

INSTRUCTIONS FOR ABSTRACT SUBMISSION

The **abstract submission** must be done no later than **15TH June 2017**. All abstracts will be evaluated by the scientific committee and final decision will be communicated by **20th of June**.

The abstract (doc format) should be structured in the following form:

- 1- **Title:** Concise and descriptive (no more than 200 characters including spaces).
Times New Roman: 12 pt, bold
- 2- **Authors.** Underline the presenting author.
Times New Roman: 12 pt, italics
- 3- **Affiliation.**
Times New Roman: 10 pt, regular
- 4- **Abstract body:** describing the work (no more than 2000 characters including spaces).
Do not include bibliographic references in the abstract. Acknowledgements are counted as part of the abstract text.
Times New Roman: 12 pt, regular, single space

From the list of Session topics select 2 sessions in order of preference and if you prefer a *platform* or *poster* presentation (abstracts not considered for platform presentation will be assigned as poster presentations).

SESSIONS

(INCLUDE 2 SESSIONS IN ORDER OF PREFERENCE BELOW THE ABSTRACT)

- Spatial and temporal trends for emerging contaminants
- Non Target Screening and environmental specimen banking.
- Nagoya Protocol, genetic resources, sample delivery and role of environmental specimen banks.
- New ideas and applications for environmental specimen banks.
- Long term trends & monitoring programs: case studies.
- Assessing contaminants and health status of marine mammals from Biscay Bay and other regions

TYPE OF CONTRIBUTION

(INCLUDE YOUR PREFERENCE BELOW THE ABSTRACT)

- Platform (15 minutes + 5 minutes discussion)
- Poster

Send abstracts to: pie@ehu.eus

ABSTRACT TEMPLATE

Combining chemical and biological endpoints, a major challenge for twenty-first century's environmental specimen banks

Larraitz Garmendia¹, Urtzi Izagirre¹, Manu Soto¹, Dominik Lermen², Jan Koschorreck³

(1) Research Center for Experimental Marine Biology and Biotechnology, PIE-UPV/EHU, E48620 Plentzia, Basque Country, Spain. (2) Fraunhofer-Institute for Biomedical Engineering IBMT, St. Ingbert, Germany (3) Federal Environment Agency (UBA), Berlin, Germany

Basque environmental administration, inspired by the Dutch system, has established Intervention Values (A, B and C) for pollutants in soil. A-values correspond to baseline reference values whereas C-values are those levels of pollutants in soil that pose an unacceptable risk for life. B-values indicate that there exists a potential risk and therefore further examination of toxicity is required before intervention measures are decided/designed. Presently, the toxicity profiles of two chronically polluted soils from Basque Country which contained various metals at B-values were examined: an ancient iron mine in Zugaztieta (ZU) and an industrial ruin polluted with hydrocarbons and metals in Legazpi (LG). Standard (*E. fetida* acute toxicity and reproduction tests, plant - lettuce and radish- seed germination and root elongation test, and Microtox) and novel (*D. discoideum* developmental cycle, mortality, replication, endocytic rate and lysosomal membrane stability) toxicity assays were applied for toxicity profiling to either solid phase or elutriates. According to the results, very different sensitivities were found for the different tests. Overall, whereas ZU soil showed very little or no toxicity, LG soil resulted to be toxic for almost all the toxicity assays, which revealed that for similar B-values the risk posed to the environment and therefore the need for intervening may be very different. In conclusion, toxicity assays provides additional reliable information for decision makers and environmental managers that go beyond the limited environmental significance of the criteria used to establish Intervention Values, which are purely based on the concentrations of chemicals and theoretical approaches to their toxicity based on bibliographical data. Individual assessment of each soil toxicity (based on toxicity profiling) is recommended for soil management. Acknowledgements.. Funded by Basque Gov (ETORTEK BERRILUR II; CTP UE09+/58) and Spanish MICINN (CGL2006-06154).

SESSION1: New ideas and applications for environmental specimen bank

SESSION 2: Spatial and temporal trends for emerging contaminants

TYPE: Platform

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