



PROJECT **NATURE**

NATURE-BASED SOLUTIONS TO
REDUCE ANTIBIOTICS, PATHOGENS
AND ANTIMICROBIAL RESISTANCE
IN AQUATIC ECOSYSTEMS



NATURE Project Final Event

Nature-based solutions (NBS) to reduce antibiotics, pathogens and antimicrobial resistance in aquatic ecosystems

Agenda

5th November, CIIMAR, Terminal de Cruzeiros, Matosinhos, Portugal

09:30-10:00 - Welcome (V́ctor Matamoros, IDAEA-CSIC)
Antibiotics and antimicrobial resistance, how to tackle them? - the project
NATURE

10:00-10:20 - Nature Based Solutions (NBS) for decentralised wastewater
treatment (Vaidotas Kisielius, AU)

10:20-10:40 Nature Based Solutions (NBS) for tertiary wastewater treatment
(V́ctor Matamoros/Edward J. Pastor-Ĺpez, IDAEA-CSIC)

10:40-11:00 How to build a Nature Based Solutions (NBS)? (René Kilian,
Kilian Water Ltd.)

11:00-11:30 - Coffee break

11:30-11:50 - Natural wetlands as Nature Based Solutions (NBS) for good
water quality (Marisa Almeida, CIIMAR)

11:50-12:10 - Antibiotic resistance genes (ARGs) and microbial communities
in Nature Based Solutions (NBS) (Jochen Ḿller, KIT)

11:30-12:00 – The Mali case study ((ENI-ABT)

12:10-12:30 – Assessing and monitoring of wastewater treatment efficiency
with ecotoxicological tests (Eberhard Ḱster, UFZ_KIT, Laura Guimaraes,
CIIMAR)

12:30-13:00 – Discussion, Questions and Final remarks

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 **Aquatic Pollutants**

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