

11-12 FEBRUARY 2025

RABAT, MOROCCO

Institut Agronomique et Vétérinaire Hassan II



WEFE NEXUS INTERNATIONAL CONFERENCE

**EXPLORING AND BRIDGING NEXUS FOR
A SUSTAINABLE FUTURE**



These projects are part of the
PRIMA programme supported
by the European Union.

WEFE NEXUS INTERNATIONAL CONFERENCE

Day 1 – 11th February 2025

PRESENTATION OF BONEX AND SURENEXUS PROJECTS



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The BONEX project – A general overview

Rafael Casielles (BIOAZUL)



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INFORMATION OF THE CALL

BONEX : Boosting Nexus Framework Implementation in the Mediterranean

- **Nexus Theme:** Water-Energy-Food-Ecosystems 2022 IA
- **Thematic area:** Nexus WEFE
- **Topic:** Predicting and testing options of socio-economic adaptation to declining Water-Energy-Food-Ecosystem (WEFE) resources in the Mediterranean Region
- **Type of action:** Innovation Action



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WEFE Nexus approach

- Complex challenges
- Sectoral responses
- Nexus means breaking down silos
- Methods: Survey presentation
- Growing interest in Nexus (theoretical)
- Difficult to translate into practices
- Interests and lack of adapted tools



Our mission

- Extensive literature focuses on the theoretical nexus concept, but tools to support its implementation in governance and practice are still in early phases of development
- BONEX aims to provide practical and adapted tools, examine concrete and context-adapted technological innovations, enhance policies and governance and facilitate WEFe Nexus practical implementation that balances the social, economic, and ecological trade-offs.



BONEX

Boosting Nexus Framework



Consortium

16 partners, 8 countries, 5 SMEs



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BIOAZUL



معهد الحسن الثاني للزراعة والبيطرة
HASSAN II AGRICULTURE AND VETERINARY INSTITUTE
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FutureWater
20 years and counting



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA



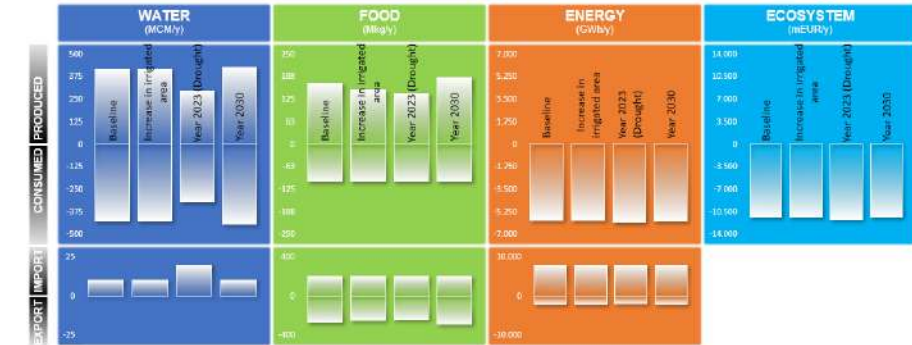
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BONEX tools

- Innovation Action: Practical tools
- Target: Planners, decision makers, technicians of public administration.
- 2 main decision making tools:
 - ✓ REWEFe (Quantitative & trade-off analysis)
 - ✓ WEFE Bridging Framework (Participation)

REWEFe

Graphical Results



BONEX tools

- Innovation Action: Practical tools
- Target: Planners, decision makers, technicians of public administration.
- 2 main decision making tools:
 - ✓ REWEFe (Quantitative & trade-off analysis)
 - ✓ WEFE Bridging Framework (Holistic)



WEFE BRIDGING FRAMEWORK (WEFeF)

WEFeF will be a methodological framework to evaluate nexus interventions in the MedRegion



Critical axes:

1. Practical tool for planners to integrate WEFE dimensions in the analysis and select interventions
2. Integration of ecosystem services
3. Participatory approach: legitimate and transparent decision-making process
4. Regional Working Groups characterize the territory, identify, select and evaluate solutions.

WEFeF will be implemented and validated in 7 Demonstration Projects (TRL 3 → 6)



NEXUS BRIDGING PLANS

Definition

*Concise and practical **context-specific plans** (strategies) guiding the transdisciplinary implementation of the proposed WEFe solution approaches*

- Include: Specific objectives and measures (e.g. policy adaptations), tasks, milestones, roles for different actors throughout the implementation, assessment of risks, economic viability of the proposed WEFe solution approaches.
- NBPs will be built in a participatory way with the active involvement of local actors that will be engaged in **Regional Working Groups (RWG)**
- NBPs will be produced in 7 selected DPs -> Lighthouse WEFe solutions in the MedRegion

DEMONSTRATION PROJECTS (DPs) IN BONEX





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