

Brokerage Event

Food Security | Sustainable Agriculture and Forestry |
Marine, Maritime and Inland Water Research |
Bioeconomy | KET-Biotechnology |

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BioHorizon



VERTECH
GROUP

Sustainable Food Security

INNOVATING THE PRESENT, IMAGINING THE FUTURE

VERTECH GROUP

www.vertech-group.com

José Antonio Gutiérrez

R&D Manager

jose.gutierrez@vertech-group.com



www.ncp-biohorizon.net

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- Vertech is a **French environmental engineering firm** with a focus on high-tech environmental engineering and innovation business development.
- Three main business operations:
 1. High-tech environmental engineering
 2. International R&D management
 3. Market Research and business development
- Vertech is a full member of:  **Bio-based Industries Consortium** 
- More than 10 years of experience
- Currently participating in 14 Horizon 2020 projects

ENERGY



Fuel from waste

Liquid and gas fuel production from olive industry waste



Glycerol biorefinery for the production of high value industrial products



Small wind turbine for urban environments

WASTE



Sustainable production of functional and **safe feed from food waste**



Solutions for EEE recycling
Pre-processing of high-grade plastics, recovery and recycling of critical raw materials



Industrial feather **waste valorisation** for sustainable keratin based materials

CONSTRUCTION



Urban and agricultural **residues into high performance biomaterials for green construction.**



Retrofitting solutions for energy efficiency in public edification

WATER



Cost-effective **solutions for water treatment and monitoring** in small communities in India.



Synergies in combined natural and engineered water treatment systems

INDUSTRY



Joining of copper to aluminium by ElectroMagnetic fields

What we usually do in projects:

ENVIRONMENTAL, SOCIAL AND ECONOMIC FEASIBILITY STUDIES

- ✓ Life cost cycle (LCC) → CAPEX and OPEX
- ✓ Life cycle assessment (LCA) → environmental impacts
- ✓ Social life cycle assessment (S-LCA) → socio-economic impacts
- ✓ Legal and regulatory studies
- ✓ Risk assessment

EXPLOITATION OF RESULTS

- ✓ Exploitation of results: market analysis and business plans
- ✓ Dissemination of results

José Antonio Gutiérrez

Vertech Group (SME)
R&D Department
France

(+33) 665210191

jose.gutierrez@vertech-group.com

<http://www.vertech-group.com>