

HORIZON 2020

HEALTH PARTNERING DAY 2017

HEALTH, DEMOGRAPHIC CHANGE & WELLBEING



7 DECEMBER 2017, BRUSSELS

Session 2: Health-related topics (ICT, SSH, Food Security, Climate, Cybersecurity)

*INNOVATING THE PRESENT,
IMAGINING THE FUTURE*

VERTECH GROUP

www.vertech-group.com

José Antonio Gutiérrez

R&D Manager

jose.gutierrez@vertech-group.com

HEALTH-NCP-NET 2.0 project is funded by the European Commission

What do we do?



- Vertech is a **French environmental engineering** with business 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 full member of:  **Bio-based Industries Consortium**



- More than 10 years of experience
- Currently participating in 16 H2020 projects

Ongoing H2020 projects

ENERGY



CH2P - Cogeneration of hydrogen, heat and power using solid oxide based system fed by methane rich gases



SOCRATCES - Solar Calcium-looping integration for Thermo-Chemical Energy Storage

WASTE & CIRCULAR ECONOMY



CLOSEWEE - Solutions for EEE recycling: pre-processing high-grade plastics recycle critical raw materials recovery



ECOBULK - Circular Process for Eco-Designed Bulky Products and Internal Car Parts

INDUSTRY



KARMA2020 - Industrial Feather Waste Valorisation for Sustainable Keratin based Materials



PreCoM - Predictive Cognitive maintenance Decision Support System



NOVUM - Novel manufacturing technologies for cellulose-based electrical insulation components

BIOPROCESSES



VALUEMAG - Valuable Products from algae using new magnetic cultivation and extraction techniques



LigniOX - Lignin oxidation technology for versatile lignin dispersants



ECOxy - Bio-based recyclable, reshapable and repairable fibre-reinforced Epoxy composites

WATER



AquaNES - Synergies in combined natural and engineered water treatment systems

FOOD



NANOPACK - Controlled release of active antimicrobials in food packaging applications

MATERIALS



JOIN'EM - Join of copper to aluminium by ElectroMagnetic fields



SUNPILOT - Subwavelength Nanostructure Pilot



INNPIPER - Innovative and Smart Printed Electronics based on multifunctionalized Paper



DECOCHROM - Decorative Applications for self-Organized Molecular Electrochromic Systems

VERTECH capabilities in R&D projects

What we usually do in projects:

- ✓ **Economic feasibility:** Life Cost Cycle Assessment (LCC) → CAPEX and OPEX.
- ✓ **Environmental repercussions:** Life Cycle Assessment (LCA) → impacts and benefits.
- ✓ **Social analysis:** Social Life Cycle Assessment (S-LCA) → socio-economic impacts.
- ✓ **Legal, regulatory and health and safety studies**
- ✓ **Risks assessment:** identification and quantification, contingency and mitigation plans.
- ✓ **Exploitation of results:** market assessment and business strategy.
- ✓ **Dissemination of results**

TRANSVERSAL ACTIVITIES

HORIZON 2020

HEALTH PARTNERING DAY 2017

HEALTH, DEMOGRAPHIC CHANGE & WELLBEING



7 DECEMBER 2017, BRUSSELS

Contact details

José Antonio Gutiérrez

Vertech Group (SME)

R&D Department

France

(+33) 665210191

jose.gutierrez@vertech-group.com

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