



TASCMAR project has received funding from the *European Union's Horizon 2020 research and innovation programme* under grant agreement No 634674



Tools and strategies to access to original bioactive compounds from cultivation of marine invertebrates and associated symbionts

Jamal OUAZZANI
TASCMAR Coordinator



National Center for Scientific Research CNRS, France
Institute for Chemistry of Natural Compounds ICSN

Session title.

Showcase of the results of the EU innovative Blue Economy projects, with particular focus on SMEs



6.7 M€ , 4 years, 8 countries
 13 organisations, 6 industrials
 22 teams, 110 involved researchers

EU priorities

Blue growth ↔ anti-aging

Bioresources

- From species to holobionts
- Neglected-Underutilized Species (NUS)
- Neglected- Underexplored Ecosystems (NUE)
- Global valorisation scheme
 - ✓ Invertebrates/symbionts
 - ✓ Small molecules/Enzymes

Multi-sectorial target

- Pharmaceutical
- Cosmeceutical
- Nutraceutical

Innovation

- From field observation to industrial equipment
- Supported by scientific evidences
- Previous achievement & success stories

Industrial transfer

- Early involvement of industrials
- Permanent interaction with academics
- Fast & cheap laboratory validation
- Scalable & adaptable technologies
- Market opportunities

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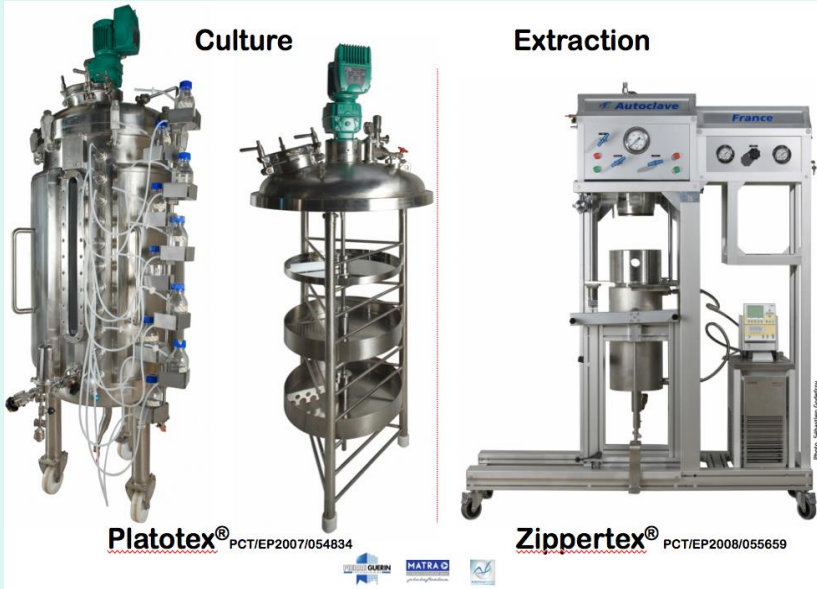




European Commission

Culture

Extraction



TRL-9 innovations

PLATOTEX and ZIPPERTEX lessons learned :

- From project needs to end-users request
- From specific application to multifunction device
- From V.0 to V.1, new challenges, new innovations

Industrial application and commercialisation

- V.0 is the final outcome of a 4 years R&D projects
- V.0 cover a limited industrial applicability (specificity)
- V.0 to V.1, need for partnership (Industry ? EU support ?)
- EU visibility on TRL-7/TRL-9 innovations (attractiveness)



Commercial strategy for efficient products

Ethnodyne-Visio®, Ethnodyne-Neuro®

(Partnership with Ethnodyne company, France)

(DMLA, Neurodegenerative diseases, age-related disorders)

- Dietary supplement / **Nutraceuticals** / Pharmaceuticals ? EU Policy
- EU / national regulation for natural compounds (Registration)
- Proof of efficacy and innocuity (*In-vivo* trials)

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