



EnviGuard

Development of a biosensor technology for environmental monitoring & disease prevention in aquaculture ensuring food safety

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Session:

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

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EnviGuard – Key results



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Sensor for detection of harmful algae

Proof of principle for pathogen detection

Sensor for detection PCBs & Okadaic Acid

- **Filtration & pretreatment unit**
- **Customizable high-resolution spectrometer**
- **Antibodies & conjugates for PCBs & Okadaic Acid**
- **Hybrid nanoparticle fabrication method**
- **Fabrication process of resonant nanopillars & their biofunctionalization**
- **Automated microfluidic system for implementation of bio-chemical protocol**

EnviGuard - Recommendations



Definition of common goals (PUDF)

Dedicate a task to commercialization

Survey on needs & demands of end-users

Use tools (website, video, newsletters...)

Disseminate (trade fairs, policy maker events, conferences)

Foresee resources (e.g. for patent lawyer...)

Use EC services (e.g. Common Exploitation Booster)