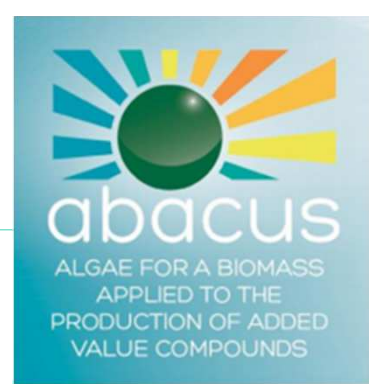


# SEQENS

How to rely on public-private  
partnerships to innovate?

protéus  
BY SEQENS

## Conclusions and perspectives of ABACUS project



- Building a public-private consortium, bringing together complementary expertise, has made it possible to highlight our collection of microalgae.
- The *Porphyridium purpureum* mutants from Protéus's collection highly distinguished in term of growth, zeaxanthin and exopolysaccharide (EPS) production. Indeed, zeaxanthin and EPS production from *Porphyridium* mutants is higher than for wild type strain (UTEX 161). Moreover, the growth of mutant is faster. This leads to an economic advantage for the commercial exploitation.
- Based on the results of this project, these *Porphyridium* strains present an industrial interest.
- These very good results push us to develop the production technology through agreements with partners who can take care of the downstream development ... we are looking for partnerships.
- These results are also the demonstration that our original collection of microalgae strains can be exploited according to specific selection screens .... a beautiful biodiversity to share and explore in new programs.



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*Thanks for your Attention !*

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