

**PeptiCaps**  
**“Your nano-solution for  
healthy skin”**



PeptiCaps is funded by EU framework program for research and innovation Horizon 2020 under grant agreement **686141**

***PeptiCaps: The nano-solution for healthy skin***



# THE PROBLEM

Natural active ingredients have beneficial effect to have healthy skin

\* Anti wrinkle



\* Whitening



\* Anti allergy



\* Anti-aging



Degradation  
loss of its effect



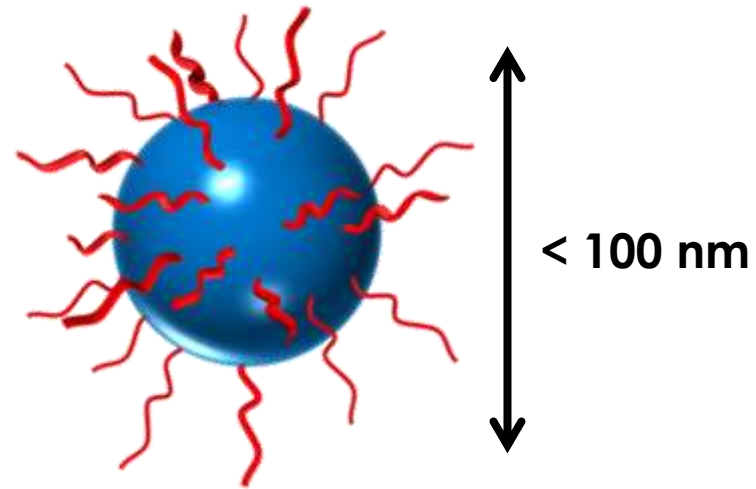


# THE SOLUTION: SMART NANOCAPSULES

Nature is encapsulating its  
active ingredients



We copy what nature is doing...



...in smaller and smarter!

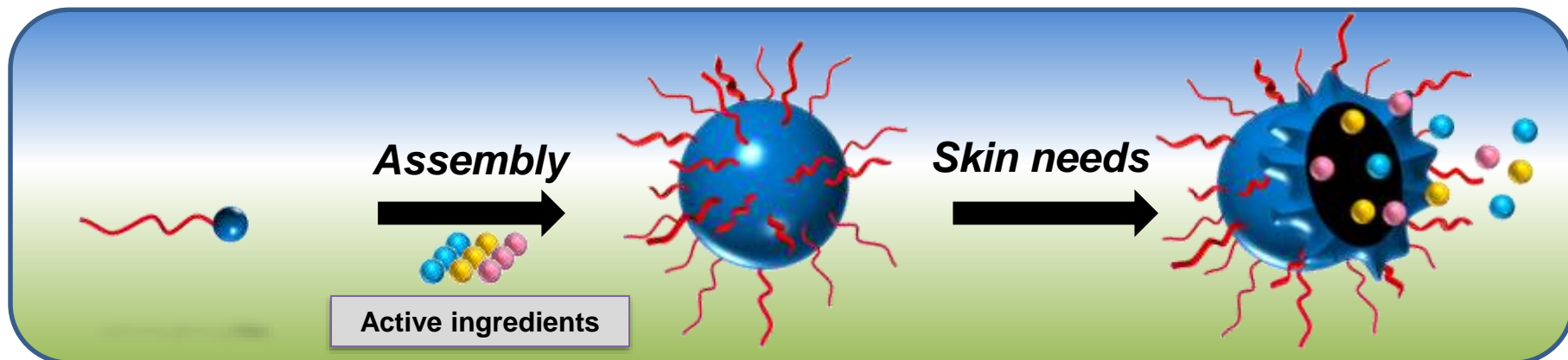
## SMART NANOCAPSULES



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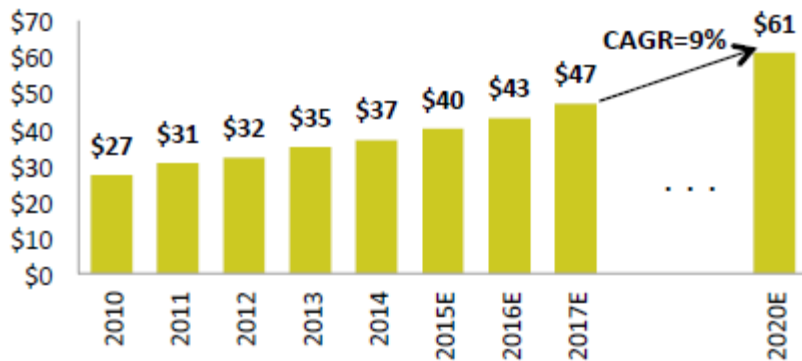
*PeptiCaps: Your nano-solution for healthy skin*





PeptiCaps *smart nanocapsules* based on biomimetic and natural product improve your active ingredient performances:

- ✓ Customized service to protect your active ingredient
- ✓ Increased long term stability (more than 30%)
- ✓ Better penetration to the deeper layer of the epidermis
- ✓ Deliver the active where your skin needs it most



Source: RNCOS Business Consultancy Services

The market for **Beauty** has been constantly growing at around 10 % for the last 20 years. **Market growth of around 40 % is expected by 2020.**

Only in Europe, **4,605 SMEs** (97 % of cosmetic companies) are numbered in the cosmetic sector.

Thus, **innovation** is a **primary requirements** to be competitive on the market.



## We provide

### Validated Smart Nanocapsules for your active ingredient:

- ✓ Encapsulation of hydrophobic or hydrophilic active ingredient
- ✓ 30% longer activity of your natural ingredient in comparison to macroencapsulation currently used
- ✓ ~ 40% more active released where the skin needs it
- ✓ Lower costs compared to the current nanoencapsulation processes
- ✓ Customized service to address customers needs (compatibility, stability and validation of the added value in your formulation)

## You benefit

- ✓ Highly innovative product to increase your competitiveness
- ✓ Shop and directly add to your formulation
- ✓ Scientific evidence of the benefits of PeptiCaps encapsulation on your formulation
- ✓ Saving money by increasing the efficiency of your natural ingredient.
- ✓ Reducing risk of innovation





# PeptiCaps: Products and services

## Customized services to increase consumer competitiveness and innovation



**Customized cosmetic ingredients:** specially **designed** for our **customers' requirements** which will bring high **added value** to their final product.



**R&D services:** Our engineers and cosmetic experts will solve problem to enhance the efficiency of our customers' product.

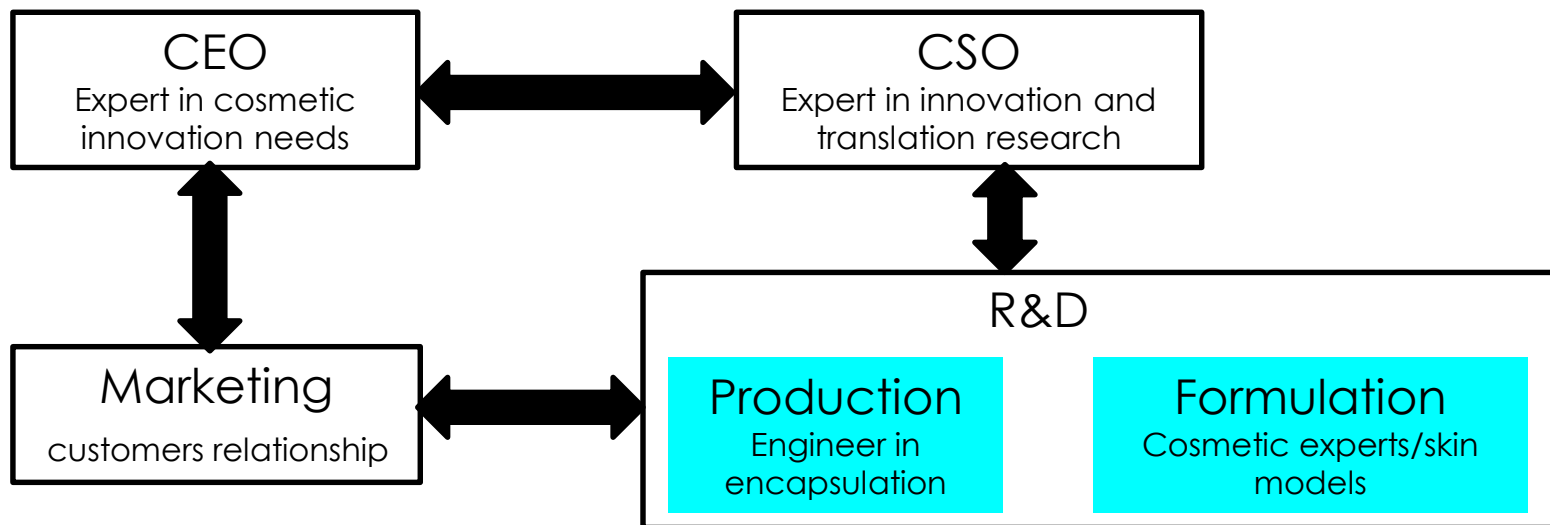


**Implementation:** close follow up of the implementation of the product and its validation by the EU cosmetic authorities.





PeptiCaps is a spin-off from the collaboration between the Spanish research centre IK4-CIDETEC and the University of Bordeaux.





**First cosmetic product containing PeptiCaps nanocapsules to be launched in 2019**

**2 leading companies are now ready to use our product**

**We offer to Spanish and European SMEs a simple solution to be differentiated in the cosmetic market**



*Spain is the 6<sup>th</sup> country in the world for cosmetics exportations.*



*Europe remains n° 1 for Cosmetic product.*



## In Europe, competitors offering active ingredient protection:

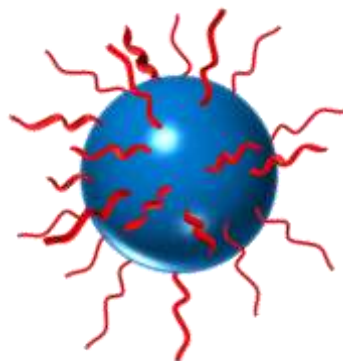
- only one type of natural ingredient can be protected (mainly hydrophobic ones)
- lack of smartness to release the active where it is needed and to address skin needs
- large capsules limiting the penetration of the natural active ingredient, hence its activity.



Unlike competitors, PeptiCaps offers customized solution for innovation enhancement and guaranteed results .



**Be smart,  
contact us to protect your  
active and your business!**



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