

7th International Oyster Symposium

Bangor, 11th-14th september 2017

Inventing a solar breeding technique in the
Mediterranean Thau lagoon (France) to boost oyster
qualities to a premium level



Tarbouriech



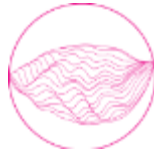
"Solar tide" inventor : Florent Tarbouriech



The Holding Tarbouriech

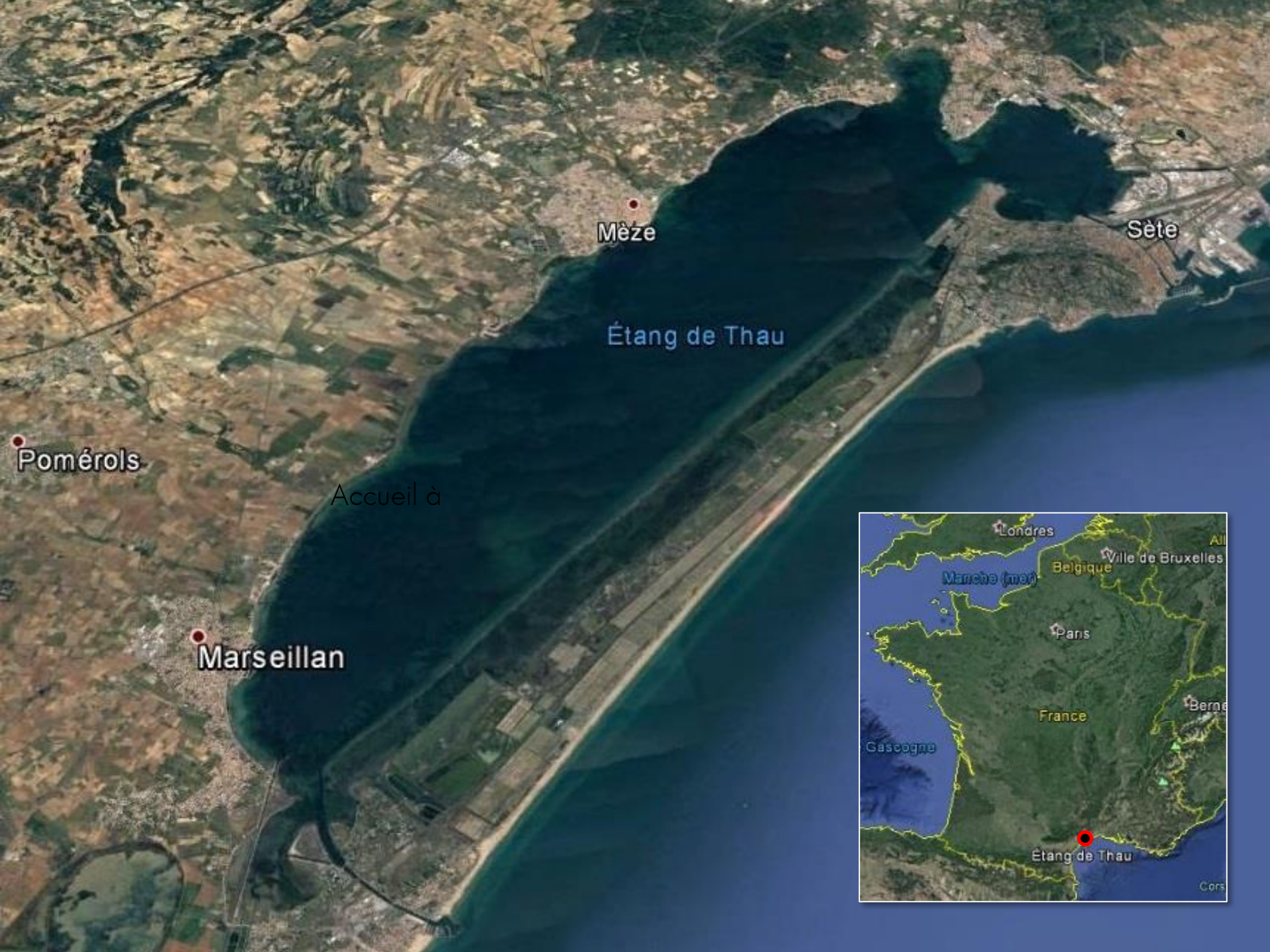


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1. THAU LAGOON



-  The largest in the Mediterranean sea
18,500 acres / long 12 miles / large 2,8 miles/ depth 13 feet
-  3 shellfish production areas : Bouzigues, Mèze, Marseillan
-  T 5°C (winter) - 28°C (summer) – Salinity 31 - 39‰
-  593 farming licences and 497 farms

2. TRADITIONAL BOUZIGUE TECHNIQUE



Breeding « table »

- 164 x 39 ft
- 100 vertical poles of 16 ft
- 1000 hanging ropes



Traditional bOUtechnique

- Spat glued onto ropes
- Clusters of 3 ou 4 oysters
- Every 3-4 inches



TRADITION + TECHNOLOGY
=
INNOVATION



3. TARBOURIECH TECHNIQUE

 Breeding patented and sustainable process

- Traditional gluing method
- Rotating poles working with solar and wind energy
- Patented system to set the artificial tides
- Ad-hoc software for the machine remote control from a smartphone
- Purification and refinement in internal pools



South of France - Thau Lagoon



Hung ropes of pink oysters



Solar panel on Tarbouriech "table"



4. TARBOURIECH TECHNIQUE'S BENEFITS

- Worldwide implementation in low tide (~ 4 ft) and phytoplankton-rich brackish waters
- No more long lasting and hard labor
- Natural solar UV against parasitic epibionts
- Local oysters production to lower carbon footprint
- Green materials and equipments
- Top-end products



5. TARBOURIECH SPECIAL OYSTERS



High quality products for starred chefs

- Thick, wavy and pink-coloured shell
 - Crunchy muscle and full fleshy meat
 - Sweet-iodized flavour and hazelnut taste
 - Luxury mother-of-pearl
- 

Pink-coloured shell



Special meat



Luxury mother-of-pearl





HOLDING TARBOURIECH COMMITTED TO SUSTAINABLE DEVELOPMENT

THANK YOU FOR YOUR ATTENTION

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