

BELGIAN
FLAT OYSTER DAY



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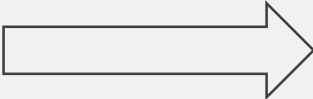
Flat oyster aquaculture in Europe: an overview

Where? How much? **How?**

Bérenger Colsoul / 24.11.2020

Where? How much?

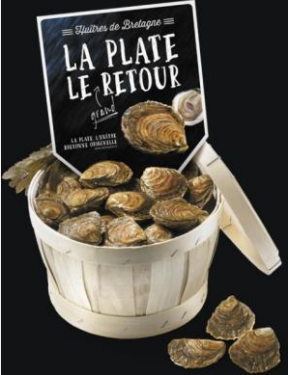
4th century BCE
- Aristotle -



2020
- BFOD -



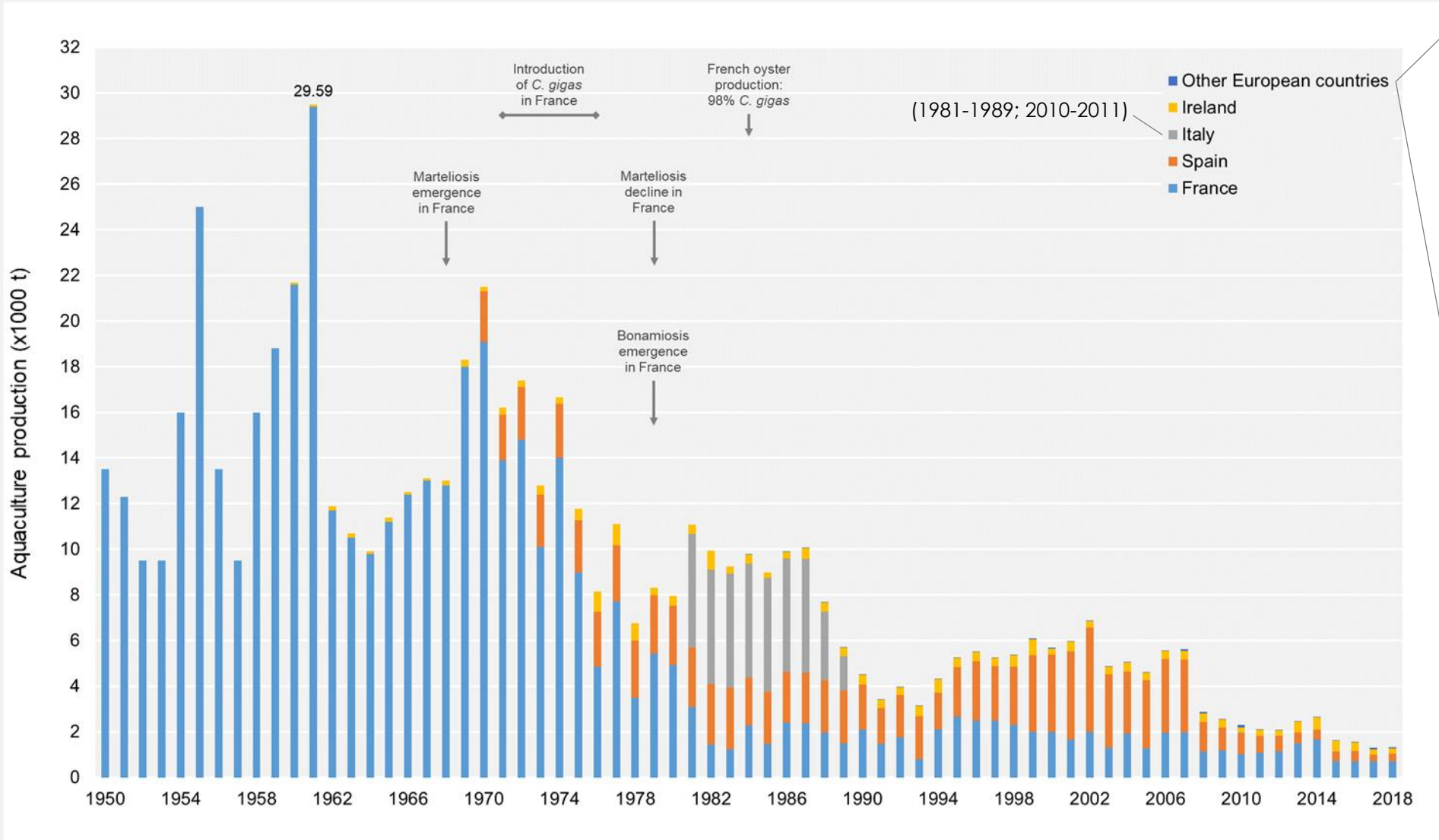
Günther RT (1897) The oyster culture of the ancient Romans. Journal of the Marine Biological Association of the United Kingdom 4, 360-365.



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Where? How much?

Flat oyster culture from 1950 to 2018

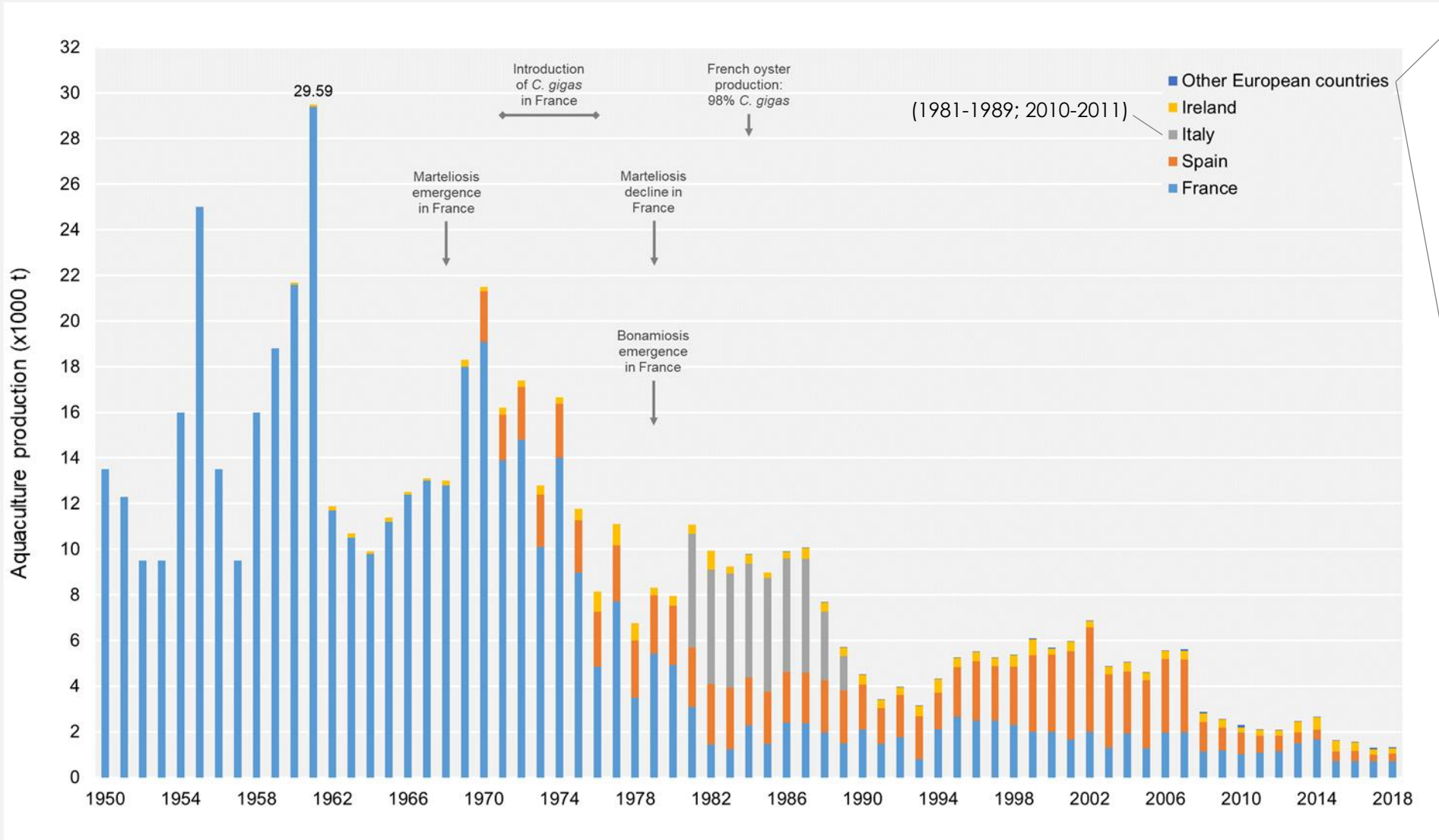


≥ 1 ton in live weight

- SFR of Yougoslavia (1950-1991)
- The Netherlands (1992-2017)
- UK (Since 1987)
- Croatia (Since 1992)
- Greece (1994-2016)
- Bosnia and Herzegovina (2002-2013)
- Norway (Since 1986)
- Portugal (Since 1991)
- Montenegro (Since 2012)
- Morocco (1997-2000)
- Tunisia (1994-1995)
- Channel Islands (Since 2013)
- Sweden (1984)

Where? How much?

Flat oyster culture from 1950 to 2018



≥ 1 ton in live weight

SFR of Yugoslavia	(1950-1991)
The Netherlands	(1992-2017)
UK	(Since 1987)
Croatia	(Since 1992)
Greece	(1994-2016)
Bosnia and Herzegovina	(2002-2013)
Norway	(Since 1986)
Portugal	(Since 1991)
Montenegro	(Since 2012)
Morocco	(1997-2000)
Tunisia	(1994-1995)
Channel Islands	(Since 2013)
Sweden	(1984)

2018 (≥ 1 ton; ca. in tons)

France	(710)
Spain	(325)
Ireland	(247)
Croatia	(54)
UK	(25)
Norway	(18)
Montenegro	(17)
Portugal	(10)
Channel Islands	(0.5)

How?

1. Seed sources
2. Grow out techniques
3. Harvesting, sorting and packing

How?

1. Seed sources

- Breed Poll
- ◐ Breeding Pond
- ◑ Hatchery
- Wild Collection

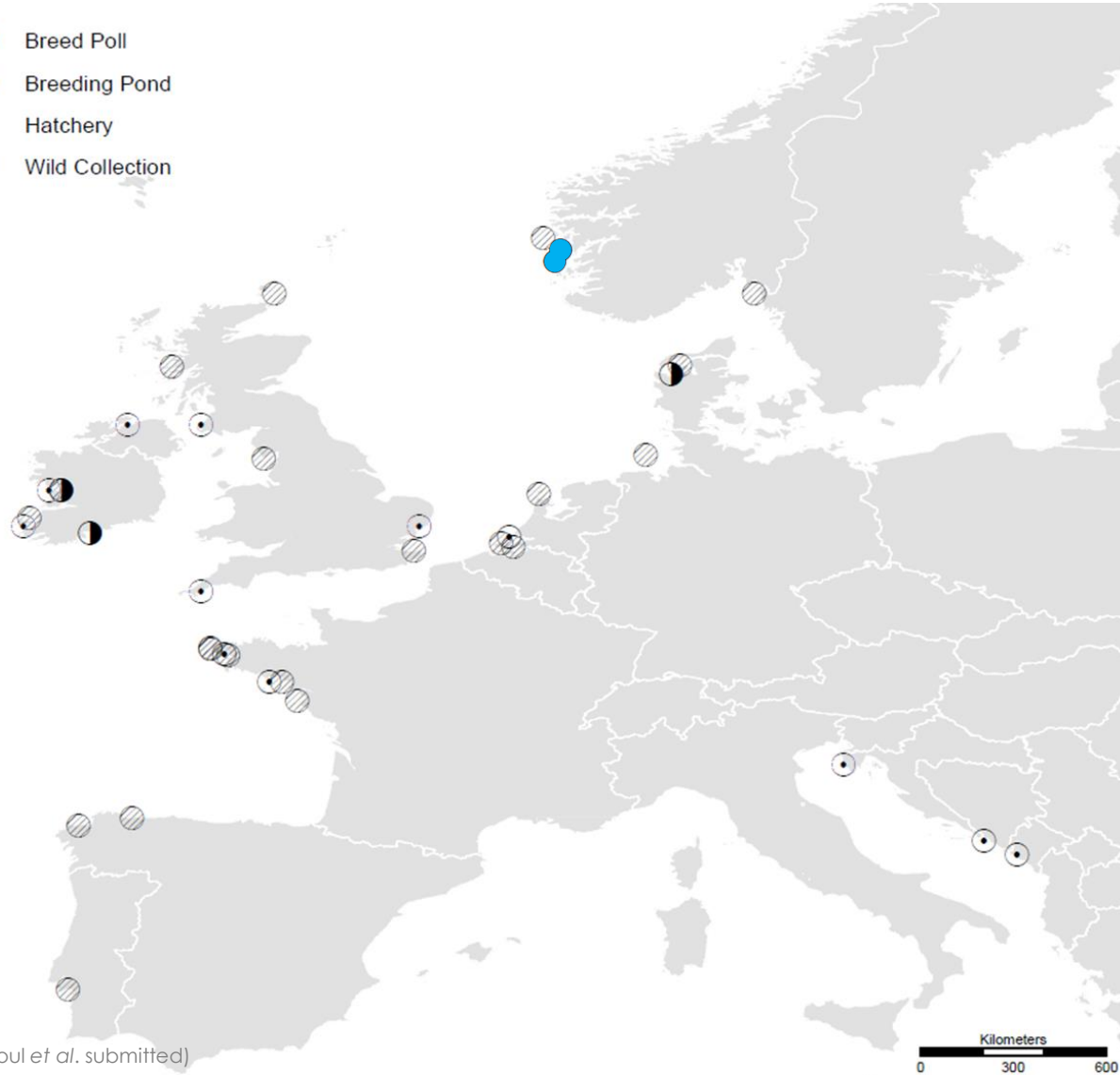


(Colsoul *et al.* submitted)

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Gaarder T, Bjerkan P (1934) Østers og Østerskultur i Norge, A.s John Griegs Boktrykkeri, Bergen, Norway.

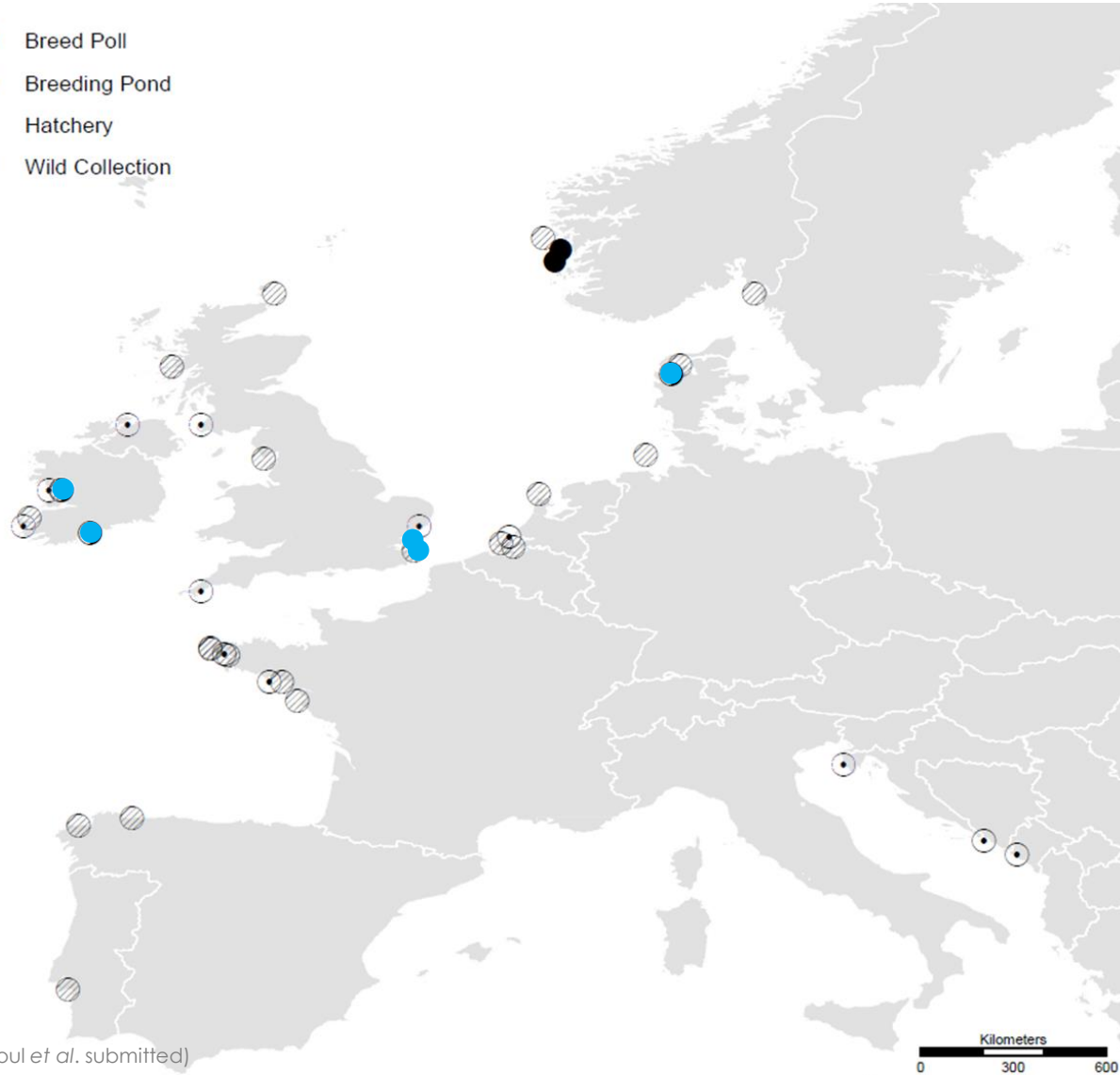
Korringa P (1976) Farming the Flat Oysters of the Genus *Ostrea*. Developments in Aquaculture and Fisheries Science, Elsevier Scientific Publishing Company, Amsterdam, The Netherlands.

Strand Ø, Vølstad JH (1997) The molluscan fisheries and culture of Norway. In: MacKenzie CL, Burrell VG, Rosenfield A, Hobart WL (ed.) The History, Present Condition, and Future of the Molluscan Fisheries of North and Central America and Europe, pp. 7-24. Scientific Publications Office, NMFS, NOAA, Seattle, USA.

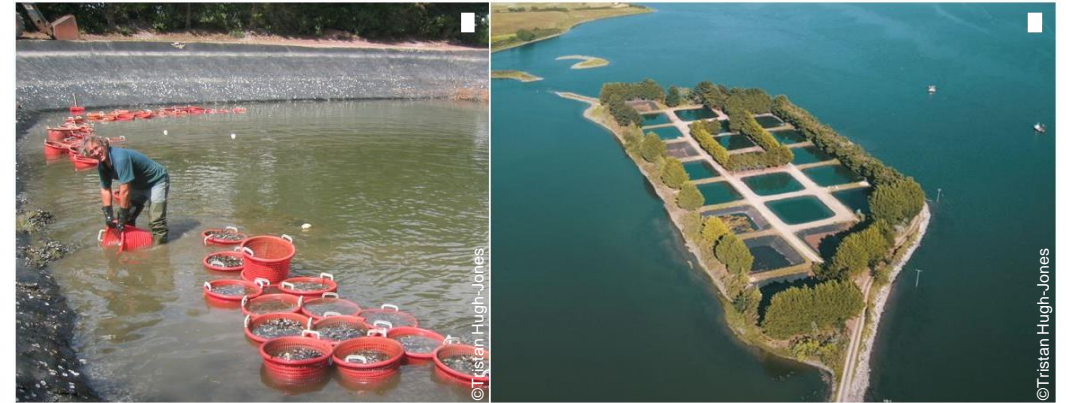
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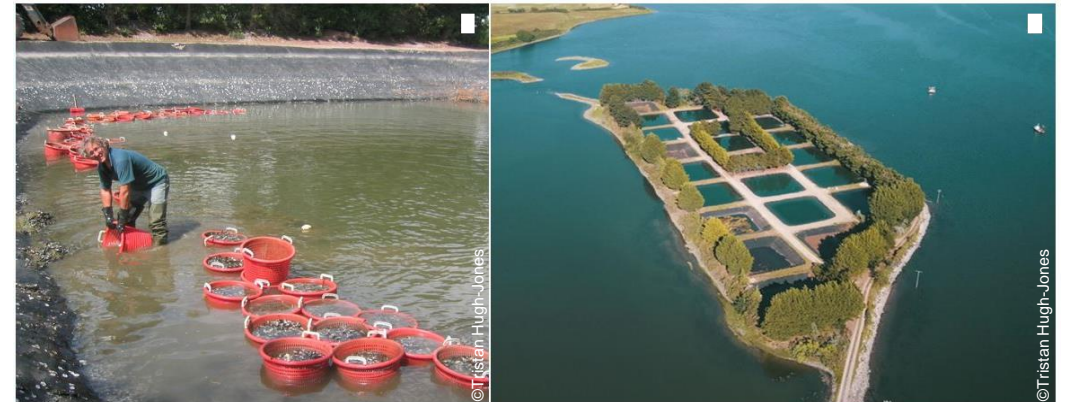
(Colsoul *et al.* submitted)



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Connellan I (1995) Shellfish hatchery design with notes on spatting ponds for aquaculture students, Publisher, Galway-Mayo Institute of Technology, Ireland.

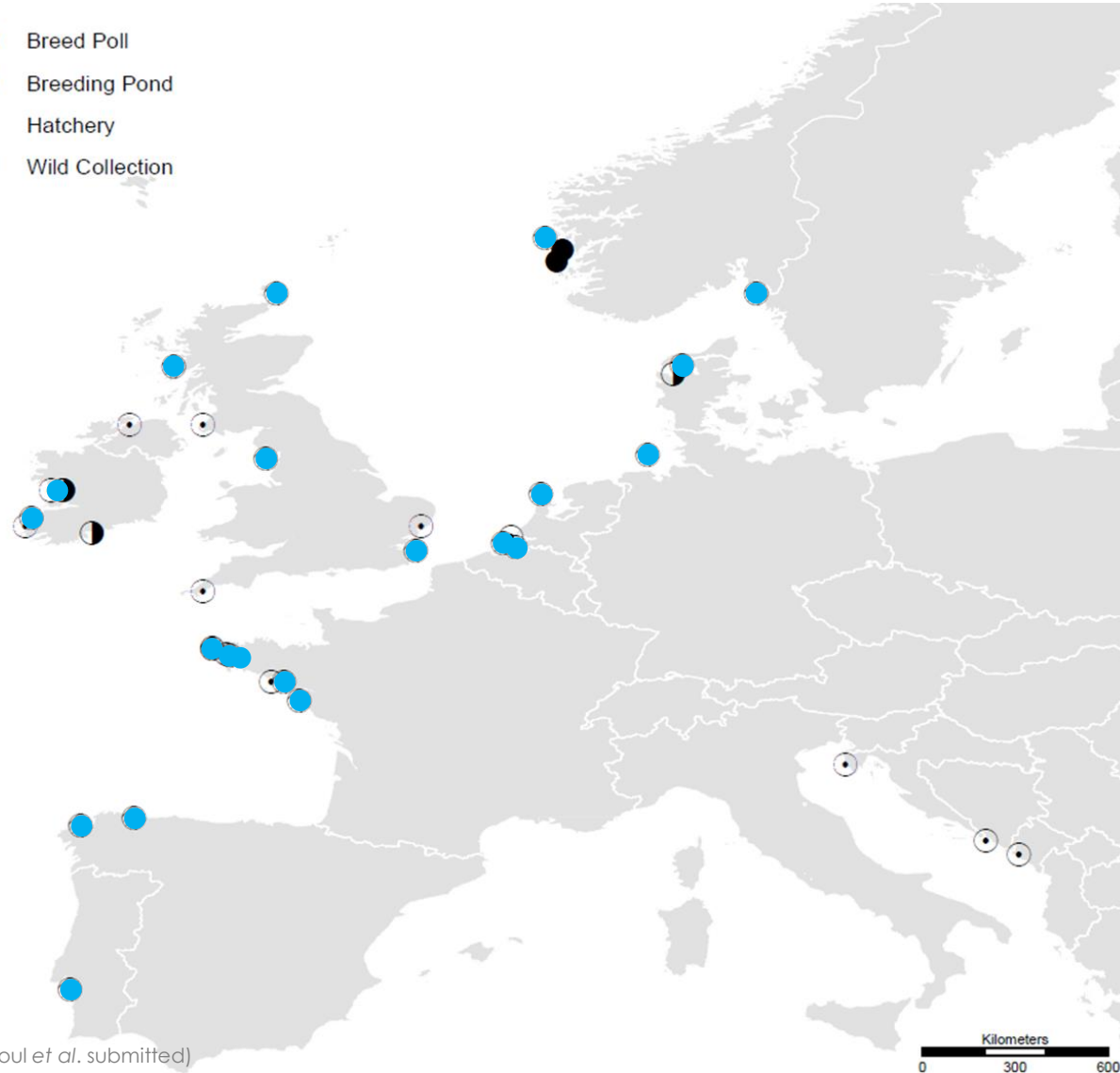
Syvret M, James J, Bayes J, Woolmer A (2017) Closing the circle report II: development of a generic shellfish hatchery design with associated spatting ponds. (ed.) Seafish Report No. SR705, pp. 1-54. Mumbles Oyster Company Ltd., UK.

Strand Å, Wrangé AL, Hogström P, Wedel-Nielsen J, P. P, K. P (2018) Produktion av ostronyngel (*Ostrea edulis*) i havsbaserade tankar. Biologisk och teknisk förstudie [Production of oyster larvae (*Ostrea edulis*) in offshore tanks. Biological and technical feasibility study]. (ed.) IVL Report C 380, pp. 1-70. IVL Svenska Miljöinstitutet, Stockholm, Sweden.

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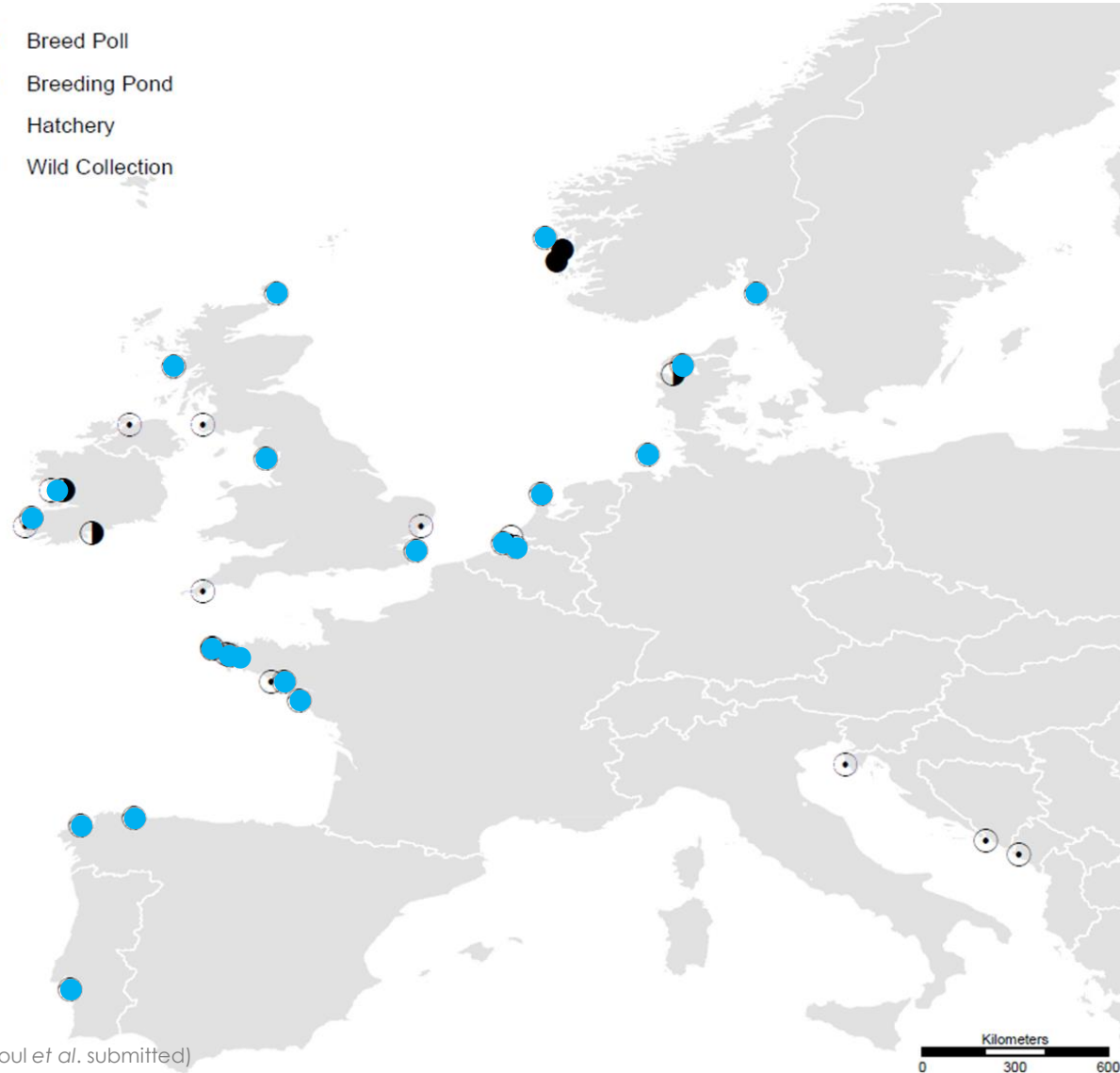
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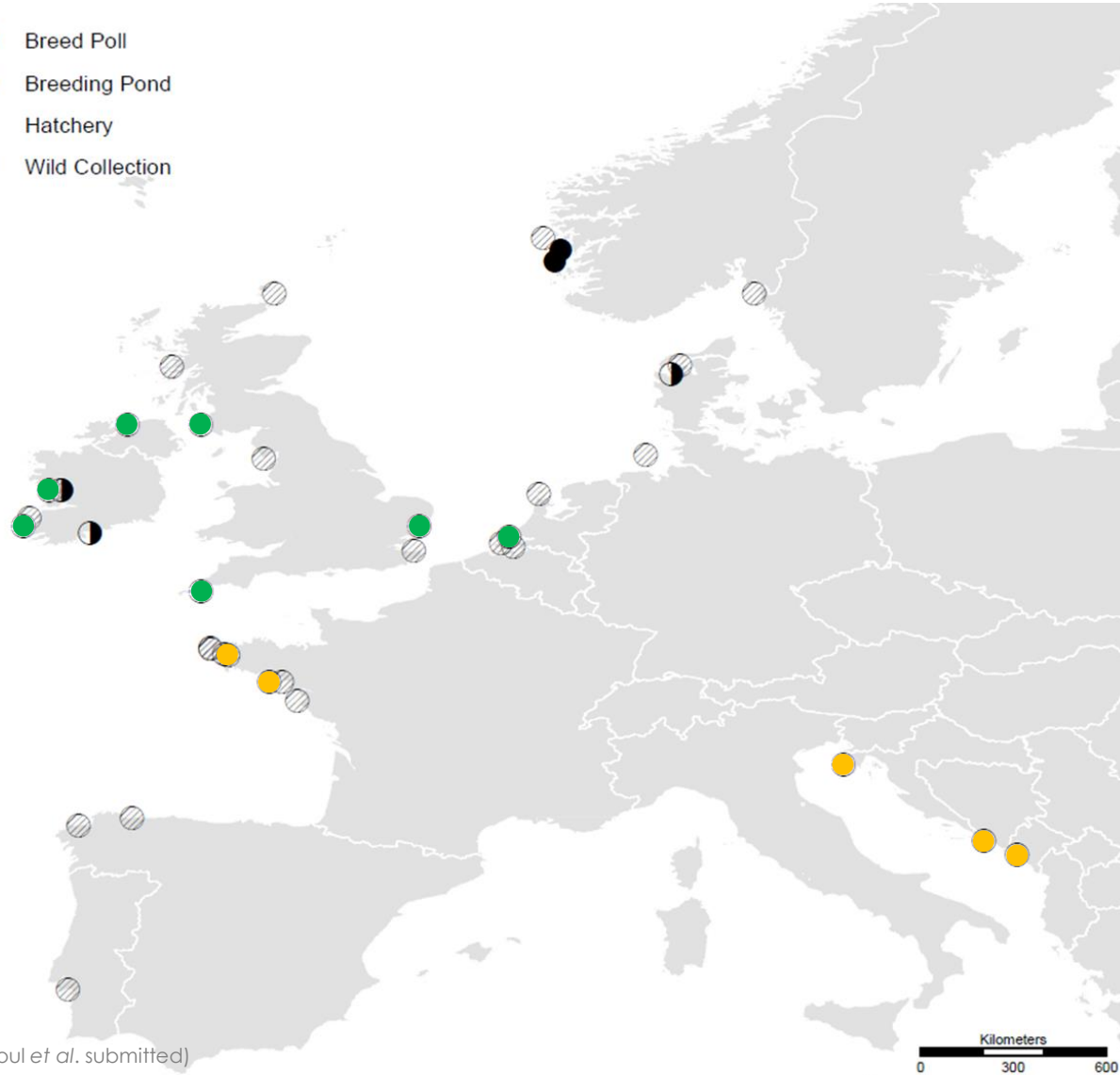


Helm MM, Bourne N, Lovatelli A (2004) Hatchery culture of bivalves: a practical manual. (ed.) FAO Fisheries Technical Paper 471, pp. 1-203. Food and Agriculture Organization of the United Nations, Rome, Italy.

How?

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How?

1. Seed sources
2. Grow out techniques

„Off-bottom technique“



„On-bottom technique“

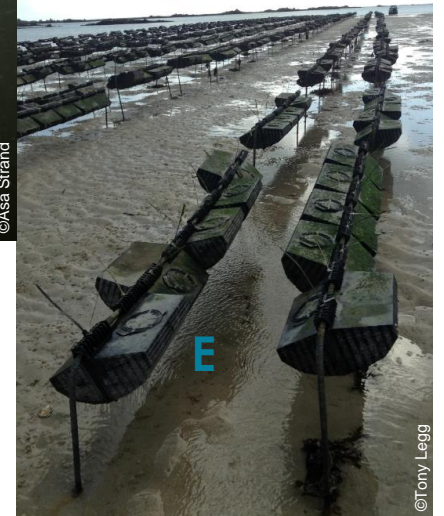
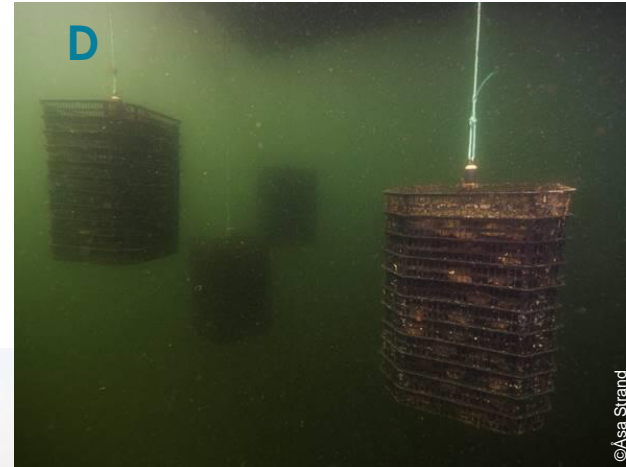


Henry K, Henry R, Moreau A (2016) Henry Oysters - Les Huîtres Henry (YouTube Video: uploaded on 10 April 2016). Huitres Henry.

How?

1. Seed sources
2. Grow out techniques

„Off-bottom technique“



How?

1. Seed sources
2. Grow out techniques

„On-bottom technique“



© Henry K, Henry R, Moreau A (2016) Henry Oysters - Les Huitres Henry (YouTube Video: uploaded on 10 April 2016). Huitres Henry.

www.fao.org/fishery/culturedspecies/Ostrea_edulis

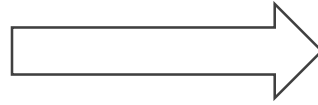


Pauline Kamermans - Oyster culture on bottom plots in Oosterschelde, The Netherlands

How?

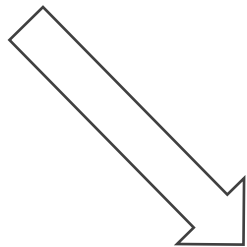
1. Seed sources 2. Grow out techniques 3. Harvesting, sorting and packing

„Off-bottom technique“



„Sorting and packing“

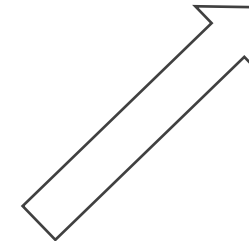
„On-bottom technique“



„Dredging“



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„Sorting and packing“

How?

1. Seed sources
2. Grow out techniques
3. Harvesting, sorting and packing



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Extras



« Les Huîtres Henry – Henry Oysters »

<https://youtu.be/MfzawK6TQZE>

<https://youtu.be/H38-CrXZsiQ>

French version

English version

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Special acknowledgements to:

BFOD Organizers
Ana Brađoš Cetinić
Åsa Strand
Fiz da Costa
Guilherme Rua
Hélène Cochet
Kruno Bonacic
Luz Pérez-Parallé
Pauline Kamermans
Rosa Fernández Otero
Stéphane Pouvreau
Tony Legg
Tristan Hugh-Jones
AWI Colleagues



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Thank you!

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