

THÜNEN

ASSESSMENT OF AQUACULTURE POLICY RESPONSES TO THE ORGANIC FARM-TO-**FORK TARGETS**

Lola Toomey, Pierluigi Carbonara*, Maria Teresa Spedicato, Nicolas Lampkin, Giuseppe Lembo

BACKGROUND

2030

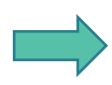
25% of agricultural land under organic farming

2030

Significant increase in organic aquaculture Total organic aquaculture production in the EU27 in 2020:

6.7% of the total EU aquaculture production

EU's Farm to Fork Strategy targets

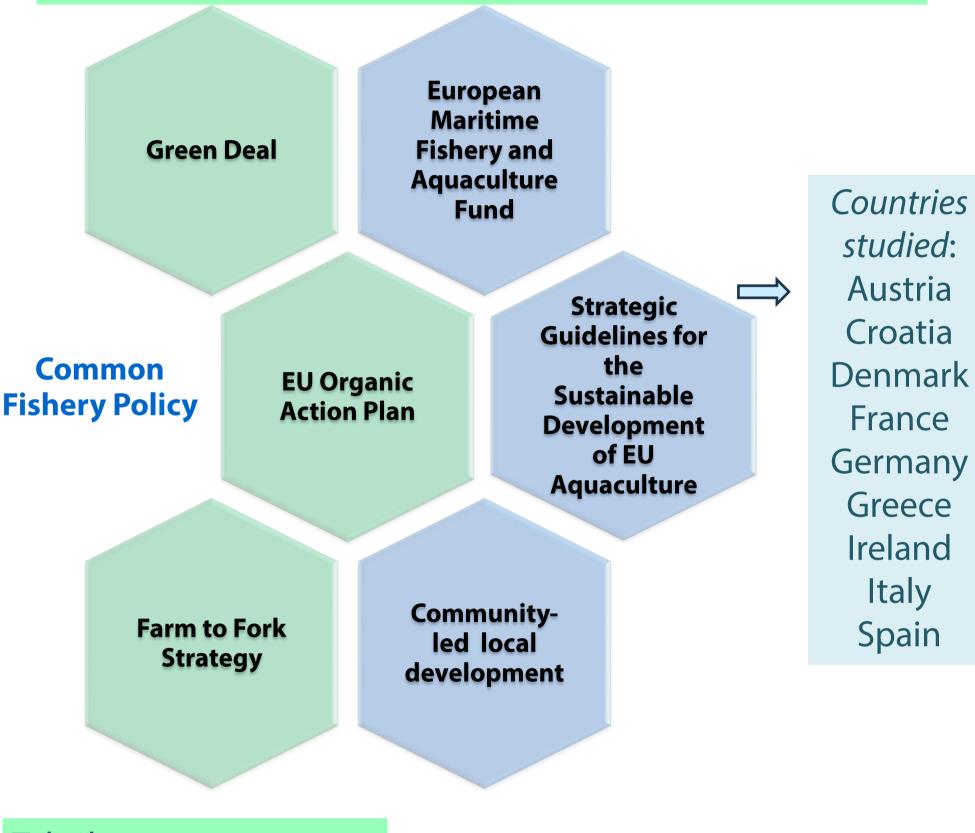


How to promote the development of European organic aquaculture?

Objective: Identifying drivers and lock-ins for the development of the European organic aquaculture sector

Assessment of current organic aquaculture policies **Sub-objective**: Is organic aquaculture supported in the

multi-annual plans and how so?



Take home messages **Guidelines Reduction of sales** of antimicrobials **Organic** certification and and a significant increase in organic labelling aquaculture **Specific** Implementation of Integrated multi-

Identification of objectives and activities aimed at promoting the development of organic aquaculture is not very detailed in comparison to the effort spent on analyzing and promoting key actions for developing sustainable conventional aquaculture

trophic aquaculture

systems (IMTA)

- The increase in funding in the current period (2021-2027) compared with the previous period (2014-2020) provides scope for increased support for aquaculture, but few or no ring-fenced funding was identified for organic aquaculture.
- Despite the policy support, we found a scarcity of consolidated data to quantify outputs. In addition, increase in funding does not necessarily turn into effective expenditure, because the multiple local administrations responsible for the expenditure are not always able to support the development programmes.

Inventory of constraining and enabling factors for the organic aquaculture

Sub-objective: Identifying enabling and constraining factors through a literature review

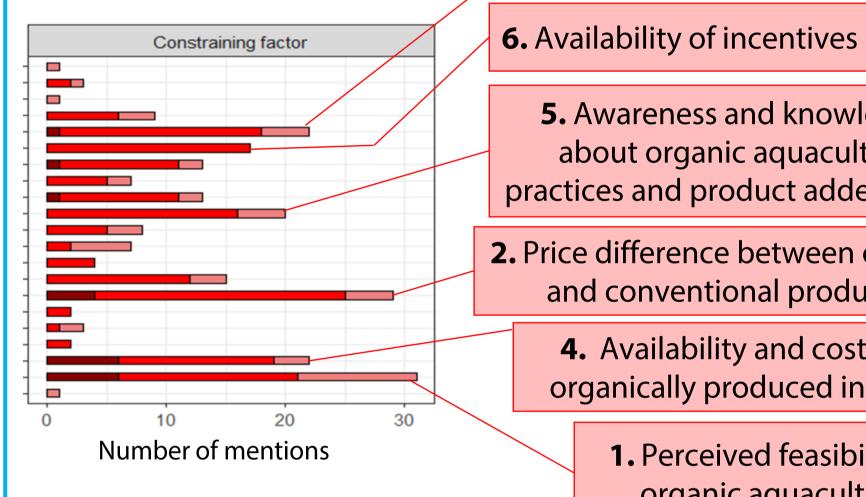
Meta-analysis of the available literature: 82 documents



Quantitative analysis: 691 impact factors listed

Constraining factors Top 6

3. Level of bureaucratic complexity and applicability of organic aquaculture rules



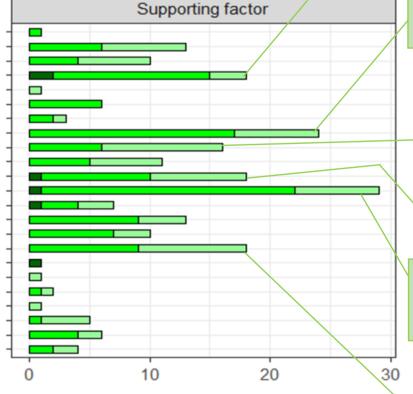
- 5. Awareness and knowledge about organic aquaculture practices and product added value
- 2. Price difference between organic and conventional products 4. Availability and costs of
 - organically produced inputs 1. Perceived feasibility of

organic aquaculture

Supporting factors

Top 6

3. Availability of incentives (ecopremiums for farmers and subsidized prices for consumers)



Number of mentions

requirements of

the EU Regulation

on Organic

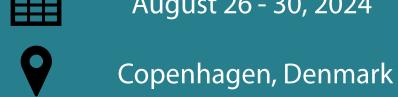
Production

- 2. Consumer demand
 - 6. Awareness and knowledge about organic aquaculture practices and product added value
 - 4a. Consumer attitude and beliefs
 - 1. Marketing strategies for organic products
 - 4b. Research towards technical solutions and innovations for organic aquaculture

Conclusion

- Full application of the regulation on organic aquaculture, before a greater consolidation of production and before the main technical problems have been solved, has not fostered the desired growth of organic aquaculture.
- combination of uncertainty regarding commitments, financial and market challenges, and input availability constraints appear to be currently hampering the growth of organic aquaculture in Europe.





spatial planning for

organic

aquaculture

