

MARINET – MARiculture NETwork:
Implementation of new technologies
for diversified sustainable
aquaculture targeting healthy
society and competitive regions

Our goal is to establish advanced
biosecurity framework for the adriatic
through innovative aquaculture and
integrated mariculture approaches
based on environmental, diseases
prevention monitoring tools and flat
oyster production guidelines that will
be shared with SMEs thanks to
administrative support. We aim to
enhance consumer perception by
emphasizing nutritional quality and
safety of aquaculture products with
marketing evaluations, bioeconomic
models, and farming practices
dissemination.



Email: marinet@uniud.it
www.italy-croatia.eu/marinet



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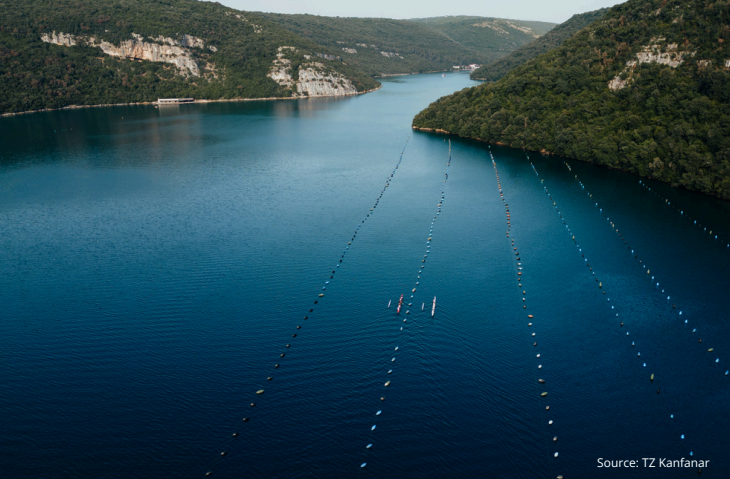
Co-funded by
the European Union

Italy – Croatia



EUROPEAN FLAT OYSTER





Source: TZ Karfanar

NUTRITIONAL VALUE

Oysters are a rich source of **protein, omega-3 fatty acids, zinc, iron, vitamin B12 and selenium.**



PROTEIN

growth, development,
maintenance of muscle mass



OMEGA-3

cardiovascular health,
anti-inflammatory effect



ZINC

immune system
support



IRON

oxygen transport,
anemia prevention



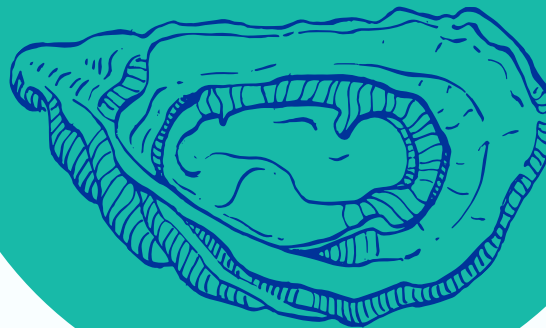
SELENIUM

antioxidant
effect



**VITAMIN
B12**

nervous system
health



CHARACTERISTICS

- **Latin name:** *Ostrea edulis*
- **Other names:** oyster, flat oyster
- **External appearance:** grey stone-colored shellfish, with two asymmetrical shells of rough and irregular shape - the lower shell is concave, and the upper is flat
- **Between the shells:** fleshy body, soft and juicy texture, sweet-salty taste
- **Habitat:** intertidal zone down to a depth of about 80 m
- **Size:** up to 14 cm
- **Lifespan:** 5 to 10 years

OYSTERS FROM AQUACULTURE

- Controlled farming
- Safety of consumption
- Year-round availability
- Low environmental impact
- Sustainable production
- Development of the local economy
- Possibility of integrated farming

Oysters play a key role in the marine ecosystem by removing excess organic matter, preventing algal blooms.

