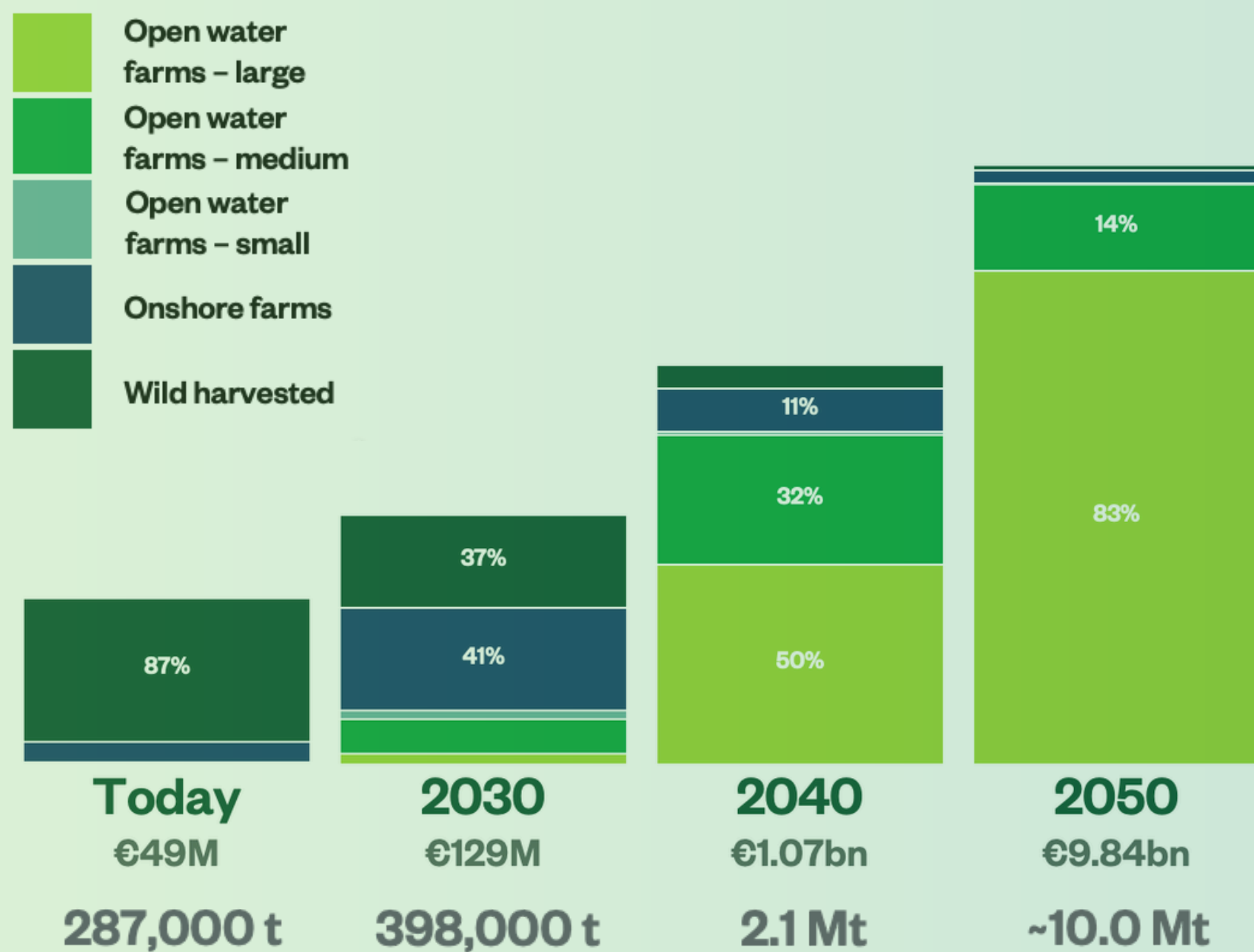




ROADMAP EUROPEAN SEAWEED PRODUCTION

AMBITION

In 2050, the European Seaweed Industry will produce at least 10mln tons of fresh seaweed annually via almost 7000 farms spread all over Europe. This will create a total revenue of almost €10bln based on the raw biomass sales price. This seaweed will be needed to meet demand from markets such as food, packaging, biostimulant and many others. It will give Europe more control over its resources for many supply chains, healthier products and new employment in biotechnology and blue economy. More importantly, this low-carbon resource will contribute to a sustainable European economy improving the wellbeing of all people living in Europe. With dedicated production subsidies the industry can achieve this ambitious scaling effort



2026

European Seaweed production will reach a revenue of €9.8bln in 2050

2050

KEY INSIGHTS



Net-zero ecosystem impact as guiding principle

Production scaling efforts must always be within ecosystem limits. Active & continuous monitoring should validate the efficacy of this effort



Adopt lessons learnt from South-Korea

Review and adopt best practices from the well developed Korean industry, including recommendations for public facilities



Commercial viability to start scaling

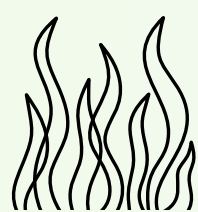
Larger scale seaweed production (on & offshore) needs an outlook to commercial viability. This will be crucial to start professional scaling in Europe



Set ambitions on climate impact

Low carbon or CO2-neutral (open water) production is key for the seaweed industry. A timeline for this ambition is to be agreed upon.

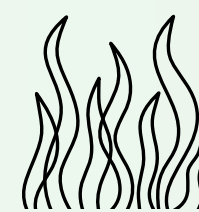
RECOMMENDED INDUSTRY ACTIONS



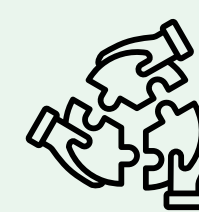
Agree on an overview that links cultivatable seaweed species with specific markets and the quality traits these seaweeds should possess in order to be successful on these markets.



Collective advocacy is needed to obtain government support (e.g. **production subsidy**) to help overcome the price difference between wild-harvested & cultivated seaweeds used as feedstock in the European markets.



Develop and share successful cultivation protocols & farm designs and setup a collaboration programme to **optimize** seeding, harvesting, and pre-processing.



Explore collaborative models in the (horizontal & vertical) supply chain (e.g. joint-venture or cooperative) to enable larger and longer-term offtake contracts.