

Tematiske innspill til EUs kommende rammeprogram for forskning og innovasjon

1. Hvilke tematiske områder er det spesielt viktig at vi samarbeider om på europeisk nivå i det kommende rammeprogrammet? Begrunn forslagene og forklar hvordan de vil bidra til europeisk merverdi.

A. Collaboration on development of value chains and infrastructure for green fuels

- Effective development and implementation of green shipping depend on establishing market-robust value chains and extensive infrastructure for the production, distribution, and use of alternative fuels such as hydrogen, ammonia and other sustainable fuels. This requires a coordinated European effort across national borders to create market.
- European Added Value: By funding and investing in the development of value chains, Europe can ensure supply stability and strengthen its competitiveness on the global stage. Collaboration will facilitate joint development and scaling of technologies that make European shipping a leader in establishing sustainable solutions worldwide.

B. Green fuel production and self-sufficiency in Europe

- To ensure security of supply and reduce dependency on external, foreign actors, it is necessary to build markets increasing Europe's autonomy in green energy and fuels. Establishing production of sustainable fuels demands a customer-driven approach, with maritime transport as ideal end-users.
- European Added Value: Increased self-reliance contributes to geopolitical independence, energy security, and strengthens Europe's role as a global leader in sustainable energy, fostering innovation and securing ownership of crucial technologies in Europe. By establishing solid infrastructure for the production and distribution of alternative fuels, European countries can coordinate investments and develop joint European solutions.

C. Pilot and demonstration projects

- Pilot projects play a key role in validating, demonstrating, and optimizing new technologies before implementation. Large-scale pilots and demonstrations for innovative maritime vessels contribute to building trust in new technologies, reducing risks, and scaling up sustainable solutions.
- European Added Value: Funding pilot projects involving European collaboration creates synergies through the sharing of knowledge and

resources. This accelerates the development of technologies and provides a common European learning platform to boost global competitiveness and market reach.

- 2. De europeiske partnerskapene og samfunnsoppdrag (missions) er virkemidler EU benytter i tillegg til regulære utlysninger. De brukes kun der regulære utlysninger ikke forventes å gi samme utbytte. I partnerskapene bidrar næringsliv og offentlig sektor aktivt, også med finansiering. I samfunnsoppdragene er målet å løse globale utfordringer. Begge de to virkemidlene legger vekt på at kunnskapen skal tas i bruk. På hvilke områder er det særlig viktig for Norge at disse virkemidlene benyttes? Begrunn forslagene.**

For Norway, and the maritime sector specifically, it is particularly important that funding programmes are utilized in the following areas within the maritime sector:

A. Zero- emission solutions for shipping

Development and demonstration of zero- emission solutions, such as hydrogen, ammonia, and electric propulsion systems, which are crucial for achieving both Norwegian and European climate goals.

B. Infrastructure for green energy and fuels

The transition to green shipping requires extensive funding for building infrastructure for refuelling, charging, and distributing alternative fuels.

C. Development of sustainable value chains

Supporting and building sustainable value chains for maritime transport, including European production of fuels and critical components, strengthens not only Norway's but also Europe's competitiveness and self-reliance.

D. Digitalization and autonomous systems in the maritime sector

Funding digitalization and autonomous solutions can enhance the efficiency, safety, and environmental performance of shipping.

E. Research and development on circular economy for the maritime sector

Funding programmes focusing on circular economy and sustainable resource management can strengthen shipping's competitiveness by promoting solutions that reduce resource consumption and waste through reuse and recycling.

- 3. Er det andre forhold det er viktig å få fram i et nasjonalt tematisk innspill?**

- The new long-term plan for the Norwegian defence and armed forces makes it clear that the new defence maritime fleet will have to transition

to lower-emission technologies. This will heavily rely on available infrastructure for sustainable fuels in Norwegian and European territory.

- Another important aspect to highlight is the strengthening of the European Hydrogen Bank through the "Auction as a Service" scheme, where member states and associated countries can fund eligible projects that are not ranked highly enough to receive funding directly from the European Hydrogen Bank. This approach allows for faster implementation of national projects while creating a stronger connection to the EU's overarching goals for the green transition. It collectively boosts the green transition, contributes to more holistic solutions, and reduces bureaucracy in individual countries' efforts to promote sustainable solutions.


Med venleg helsing,

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