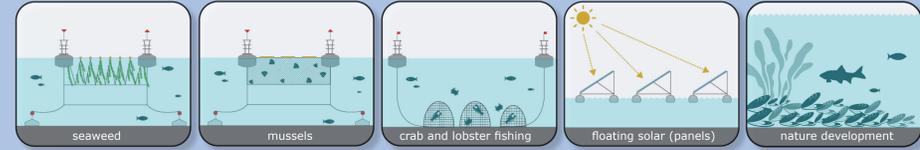
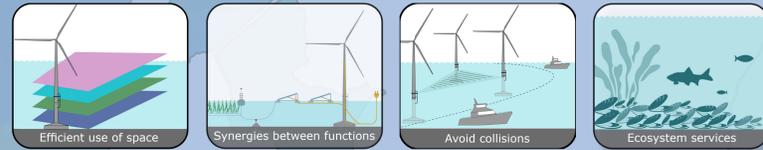


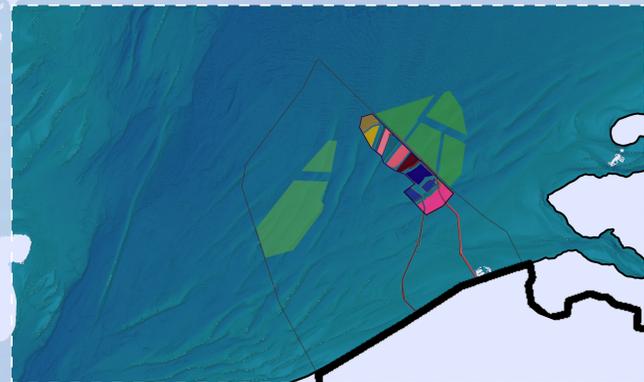
Multi-Use Procedure

Multi-Use in Belgian Offshore Wind farms



(all semi-permanent moored systems and any other types that require a permit under the "Waterwet")

Overview of the (planned) wind farms in the Belgian part of the North Sea. Windpark Norther is indicated pink and is the basis for the examples in this infographic. For more information on the (planned) wind farms, visit www.belgianoffshoreplatform.be/en/projects/



WHY (MULTI-USE)

Whether it is for seaweed, solar energy, nature development or any other type of innovative "blue economy" activity, it is worth considering a multi-use setup in offshore wind farms:

- Using the otherwise unavailable or unused areas between wind turbine structures keeps areas outside the wind farms available for other stakeholders on the North Sea. And within the current and planned wind farms there is significant scale-up potential;
- Most blue economy activities are anchored floating systems, not extending far above the water line and therefore generally badly visible for any ship traffic. On the other hand, wind farms are mostly not open for ship traffic and are easy to recognise for anyone in almost all weather conditions. Therefore, operating a for instance a seaweed or solar farm within the wind farm, will significantly reduce the risk of an accidental collision with a ship;
- Over time there will be more multi-use project with larger scale. This will also lead to more synergies with adjacent multi-users and with the wind farm operations (vessels, harbour facilities, personnel, etc.).

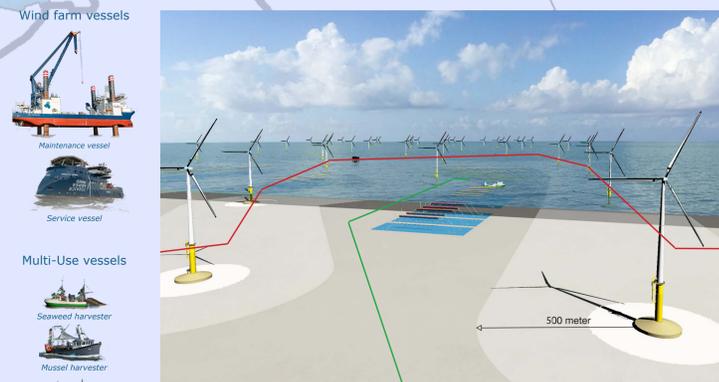
WHAT (FORMS OF MULTI-USE AND WHAT IS THEIR BENEFIT):

The number of multi-use initiatives is steadily increasing. All of these anchored installations will add value to the wind farm area. They will provide local sustainable energy and sustainable biomass but most will also:

- Provide valuable eco-system services like increased biodiversity,
 - Promote nature development (on the seabed);
 - Engage and support local (coastal) communities with the North Sea;
 - Accelerate the transition to a fossil free and circular economy.
- Support the transition to a fossil free and circular economy.

HOW (DO YOU OBTAIN A MULTI-USE PERMIT):

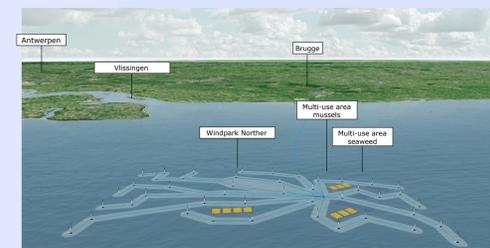
It all starts with a solid (business) plan and incremental innovations, for instance with pilots in the NSF Offshore Test Site. However, when the time to scale-up is growing nearer, it is time to secure your multi-use site for multi-use operation and scale-up. Following these 5 steps will help you to select a suitable wind farm and to achieve alignment with the wind farm operator. This will be an important ingredient for a successful domain concession permit application with FOD Economie:



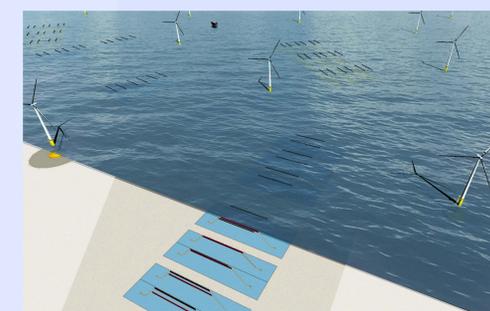
Wind farm and multi-use operators will align on preferred layout for their operations. Each party's production zone will be respected and parties will support each other in achieving safe and efficient operations in the multi-use zone.



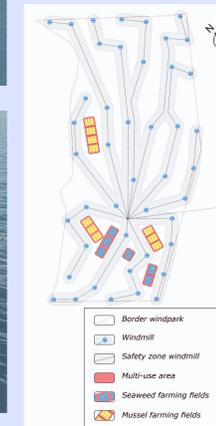
This is what you could see when approaching a multi-use area in Borssele 3 in the future. In this example the seaweed farm creates a vibrant interaction of energy with green biomass production and nature development



The Belgian wind farm zone includes multiple windfarms with multi-use zones. In the Norther wind farm the total multi-use area makes up 25% of the net available space.

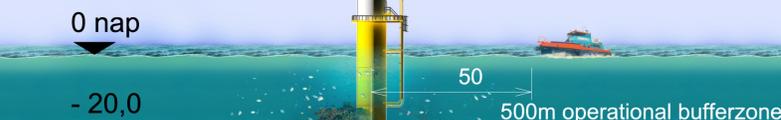
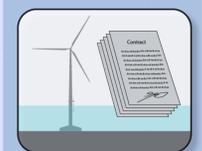
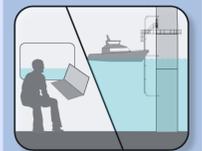


This shows a detailed view of multi-use area in Windpark Norther. Directly next to the operation buffer zones of the wind farm.



Especially below the waterline, the seaweed farm will create a completely new habitat. Creating new life, biodiversity and a healthier North Sea.

1. Select your preferred wind farm.
2. Define your multi-use farm operations.
3. Setup a proximity agreement with the wind farm operator.
4. Submit your permit application.
5. Start your seaweed, mussel or solar farm.



Colofon
 ©2022-disclaimer: This infographic makes a suggestion on how multi-use initiatives can take a step-wise approach from idea to realisation of their idea in a wind farm. Furthermore, it provides a perspective on what multi-use inside a wind farm could look like. The selection of the Borssele 3 wind farm was made randomly and in no way suggests or indicates that multi-use should or will take place in this wind farm. This multi-use procedure does not constitute a definite procedure and/or guarantee to achieve multi-use in any offshore wind farm. Coordination: North Sea Farmers; Design & Illustrations: Smartland.
 Wier&Wind: www.northseafarmers.org/projects/wier-en-wind; Interreg Grensregio: <https://www.grensregio.eu/en>; North Sea Farmers: www.northseafarmer.org; Smartland: www.smartland.nl