

## **Statusrapport om genomförandet av prioritetsprojektet Nordisk vägkarta för blå bioekonomi**

Finland har under sitt ordförandeskap inlett ett treårigt (2016-2018) prioritetsprojekt med målet att bereda och genomföra en Nordisk vägkarta för blå bioekonomi. Syftet med projektet är att identifiera nordiska samarbetsområden inom blå bioekonomi och skapa en vägkarta för hållbart nyttjande av potentialen i marina och limniska resurser. Fokus är i en effektiverad forskning- och innovationsverksamhet i samarbete med näringslivet för att ta fram framgångsrika produkter och tjänster. Norden kan vara ledande i världen inom blå bioekonomi. Det är viktigt att utvecklingen även svarar på de utmaningar som miljön och klimatförändringen ställer och beaktar målsättning om ett gott tillstånd för vattenmiljön.

Väggkartan har beretts i ett nära samarbete i det Nordiska ministerrådet och utkastet har presenterats på en internationell konferens i Helsingfors den 1 juni 2016. Utkastet till vägkarta har behandlats på det Nordiska ministerrådets (fiskeri, havsbruk, jordbruk, livsmedel och skogsbruk) möte i Åbo 29 juni 2016. Ministerrådet godkände processen för färdigställandet av väggkartan. Den färdigställda väggkartan ges för kännedom åt samarbetsministrarna (8-9.12.2016). Väggkartans genomförande inleds från början av år 2017.

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# Nordic Road Map for Blue Bioeconomy

*A Finnish priority project for 2016-2018  
within the Nordic Council of Ministers*

# Defining Nordic Blue Bioeconomy

***The Nordic Blue Bioeconomy means value creation based on sustainable and smart use of renewable marine and freshwater resources.***

*The main drivers and features of Nordic Blue Bioeconomy are market orientation, enhanced sustainability, research and innovation, resource efficiency and cross-sectoral thinking.*

# A vision for the Nordic Blue Bioeconomy 2025

*The Blue Bioeconomy is a strong growth sector that generates jobs and competence in the Nordic countries and produces goods and services for the global market while maintaining a good status of marine and freshwater environments and bioresources*

# Strategic goals for the Nordic Road Map

**Strategic goals are set to steer the actions for each theme:**

- 1. Effective Research Development and Innovation (RDI), networks and platforms***
- 2. Good governance supporting sustainable growth***
- 3. Result oriented international collaboration***

# Themes of the Blue Bioeconomy

The Nordic Blue Bioeconomy is grouped into four themes:

- *Marine and freshwater biomasses*
- *Aquaculture production and technology*
- *Marine and freshwater resources for well-being*
- *Water technology and know-how*

Nordic ways for growth in Blue Bioeconomy with waypoints (key actions and timelines) are defined for each theme

*Vision 2025*

*Blue Bioeconomy is a strong growth sector that generates jobs and competence in the Nordic countries and produces goods and services for the global market while maintaining good status of marine and freshwater environments and bioresources*

**Marine and freshwater biomasses**

**Aquaculture production**

**Marine and freshwater resources for well-being**

**Water technology and know-how**

**Strategic goal 1: Effective RDI, networks and platforms**

**Strategic goal 2: Good governance supporting growth**

**Strategic goal 3: Result oriented international collaboration**

**Value creation based on sustainable and smart use of renewable marine and freshwater resources**

# Marine and freshwater biomasses

## Nordic way for growth 1. Value creation from marine and freshwater biomasses

### Key actions and timelines

Waypoint 1. Establish Nordic Public Private Partnership innovation -networks (June 2017)

- Food line (innovative food, ingredients, supplements, additives, superfood, feed)
- Health line (cosmetics, biochemicals, pharmaceuticals)
- Biorefinery line (products, value chains, Nordic test center network)

Waypoint 2. Map existing competence, activities and research infrastructure. Select areas with largest potential and prepare Research, Development and Innovation plans for these while focusing on global markets and demand (end of 2017)

Waypoint 3. Ensure funding (e.g. national, Nordic, EU) for realizing the RDI plan (2017 onwards)



# Aquaculture



# Aquaculture production

## Nordic way for growth 2. Value creation through aquaculture production

### Key actions and timelines

Waypoint 1. Establish Nordic Public Private Partnership innovation -networks (June 2017)

- RAS aquaculture line (optimizing production technology, ensuring profitability, Nordic test center)
- Offshore farming line (spatial planning, optimizing production technology, ensuring profitability)
- New species, new feeds and algae/plants line (selection of species, optimizing species and feed production technology, recycling nutrients, ensuring profitability, breeding)

Waypoint 2. Map existing competence, activities and research infrastructure. Select areas with largest potential and prepare Research, Development and Innovation plans for these while focusing on global markets and demand (end of 2017)

Waypoint 3. Ensure funding (e.g. national, Nordic, EU) for realizing the RDI plan (2017 onwards)

# Blue care



21.12.2016

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# Marine and freshwater resources for well-being

## Nordic way for growth 3. Recreation and well-being based on marine and freshwater resources

### Key actions and timelines

Waypoint 1. Defining potential in Nordic collaboration (June 2017)

- Clarify interest of collaboration especially in health/blue-care, tourism, common Nordic services

Waypoint 2. Map existing competence, activities and research infrastructure. Select areas with largest potential and prepare Research, Development and Innovation plans for these while focusing on global markets and demand (end of 2017)

Waypoint 3. Ensure funding (e.g. national, Nordic, EU) for realizing the RDI plan (2017 onwards)

# Water technology and know-how

## Nordic way for growth 4. Water technology, know-how and exports

### Key actions and timelines

Waypoint 1. Defining potential in Nordic collaboration (June 2017)

- Clarify interest of collaboration especially in clean-tech, water treatment and recycling, arctic water know-how, water exports, networks
- Study by the Finnish water forum

Waypoint 2. Map existing competence, activities and research infrastructure. Select areas with largest potential and prepare Research, Development and Innovation plans for these while focusing on global markets and demand (end of 2017)

Waypoint 3. Ensure funding (e.g. national, Nordic, EU) for realizing the RDI plan (2017 onwards)

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