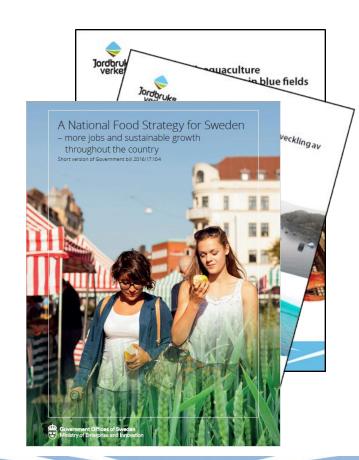




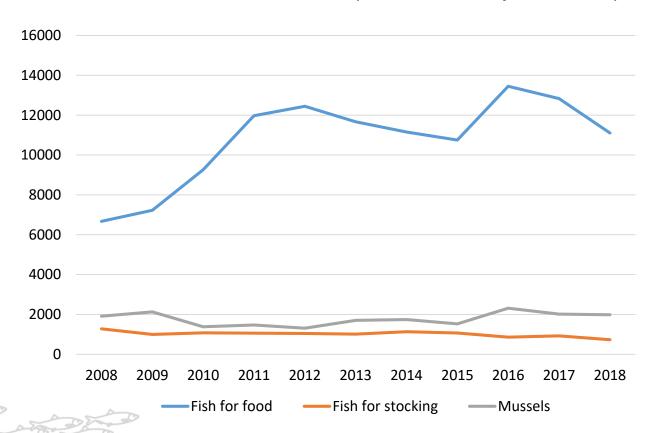
Swedish Board's of Agriculture work for sustainable development of Swedish aquaculture

- Swedish aquaculture a green industry in blue fields. Strategy 2012-2020
- An action plan for sustainable development of Swedish aquaculture (substantializes the goals of the strategy)
- A National Food Strategy for Sweden
- "The future of fishery and aquaculture", a common strategy for fishery, aguaculture and recreational fishing
- European Maritime and Fisheries Fund (EMFF)



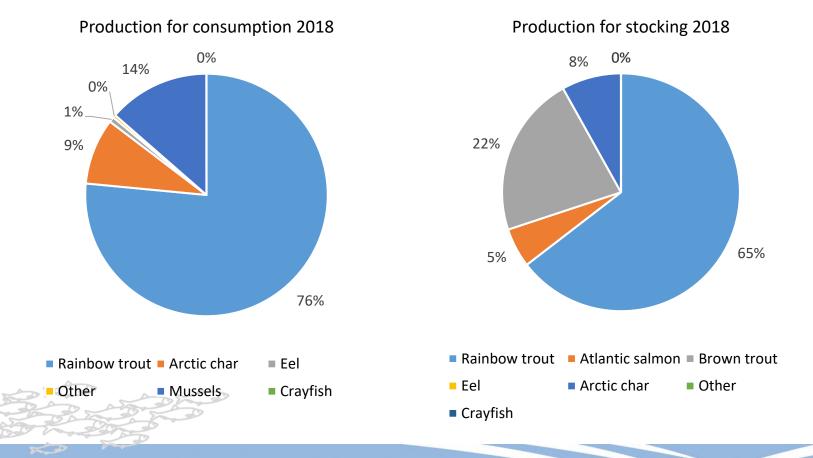


Swedish aquaculture in numbers Production volume (number of t produced)





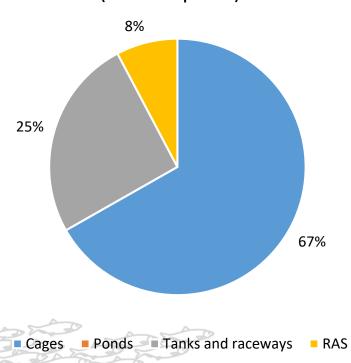
Swedish aquaculture in numbers Productions trends



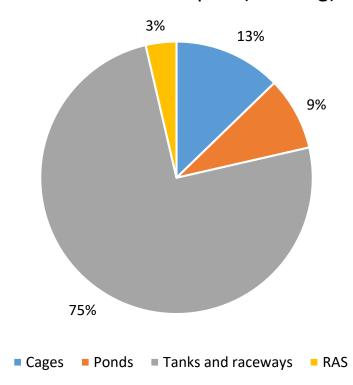


Swedish aquaculture in numbers Techniques

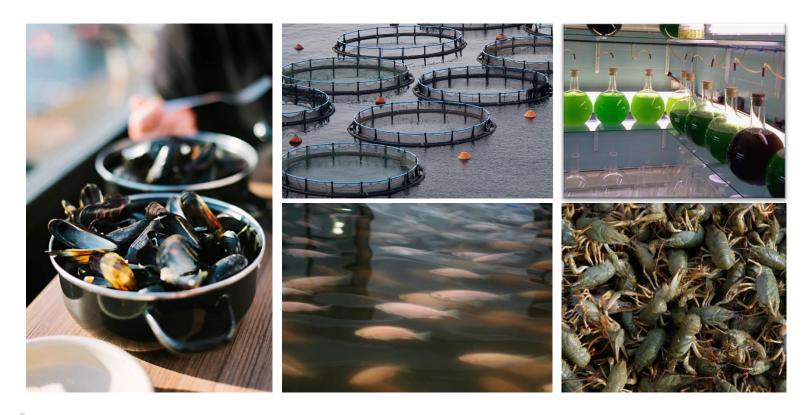
Production techniques (consumption)



Production techniques (stocking)









The farming techniques under development in terms of:

- water treatment systems
- facility types
- water consumption
- diversification of species
- integration between species







- Fish cages
- Land-based systems
- Extensive farming
- IMTA (integrated multitrophic aquaculture)







Land-based systems are available in many forms:

- flow-through systems with or without treatment of the outgoing water,
- partial or fully recirculating systems:
 - RAS,
 - Biofloc,
 - Aquaponics





Legislation – one of the biggest chalenges

- !! Difficulties related to regulations and implementing new production techniques at a commercial scale
- !! Administrative burdens and governance has been pointed out as high.
- !! Current regulations are not designed in an optimal way in order to be able to handle the technical developments





Several challenges and obstacles have been highlighted, only a few of them are presented



Legislation – one of the biggest chalenges

...investigation on how the regulations are adapted and whether the administration can be simplified

Accomplished in September 2020 !!!







Legislation – one of the biggest chalenges

- § Different definitions of aquaculture
- § The environmental licenses are regulated based on the amount of nutrients in the feed and not on the discharge of nutrients to the surrounding environment.
- § Aquaculture as environmentally hazardous activities according to the Environmental Code
- § Short and time-limited environmental permits
- § No national guidance on trials and supervision of aquaculture that can be linked to all relevant regulations

Several challenges and obstacles have been highlighted, only a few of them are presented

