

IP(20)09_EU – Denmark

November 2020 Evaluation of the Revised Implementation Plan under the Third Reporting Cycle (2019 – 2024) from the Review Group to EU – Denmark

NASCO considers that the provision of Implementation Plans, together with annual reporting of progress on actions contained within them, is one of the most valuable mechanisms that it has developed. It is a vitally important mechanism to strengthen implementation of NASCO’s Resolutions, Agreements and Guidelines. Parties to NASCO have committed to the conservation of wild Atlantic salmon. Parties’ / jurisdictions’ Implementation Plans set out their planned actions and these are reviewed by an expert Review Group. Reporting is carried out annually on these Plans (see <https://nasco.int/conservation/implementation-plans-and-reporting/>).

The Council of NASCO agreed, in September 2020, that all Implementation Plans would be reviewed again in November 2020, in line with the Enhanced Guidance from the Council, CNL(20)55. This meant, in each case, that the most recent version of each Implementation Plan was reviewed, whether updates had been provided in 2020 or not, even where the Review Group had previously found the Implementation Plans to be satisfactory.

The Review Group noted that EU – Denmark did not submit a revised Implementation Plan following the November 2019 evaluation from the Review Group.

In line with the ‘Guidelines for the Preparation and Evaluation of NASCO Implementation Plans and for Reporting on Progress’, [CNL\(18\)49](#), (the IP Guidelines) and the ‘Enhanced Guidance for the Review of Implementation Plans’, [CNL\(20\)55](#), the infographic below shows the overview of the Review Group’s evaluation, in November 2020, of EU – Denmark’s Implementation Plan. Sections / areas considered to be ‘satisfactory’ are shown in green, and those which are ‘unsatisfactory’, in red.

	Questions on Salmon Management				Threats / Challenges to Wild Salmon			SMART Actions			Mandatory Actions
	Introduction / Background	Management of Salmon Fisheries	Habitat Protection & Restoration	Aquaculture, Introductions & Transfers & Transgenics	Management of Salmon Fisheries	Habitat Protection & Restoration	Aquaculture, Introductions & Transfers & Transgenics	Management of Salmon Fisheries	Habitat Protection & Restoration	Aquaculture, Introductions & Transfers & Transgenics	
EU – Denmark											

The Review Group reassessed the responses to questions, the threats / challenges and the actions in conjunction with the Enhanced Guidance, CNL(20)55, looking in greater detail at, and providing feedback relating to the achievement of, NASCO’s Resolutions, Agreements and

Guidelines. The Review Group, therefore, considered that EU – Denmark’s Implementation Plan requires further work to achieve a satisfactory rating across all sections / areas of the Plan.

The Review Group considered the response to question 1.5 to provide a very comprehensive description of the current and potential future habitat. It considered the response to question 2.5 to be a very clear description of how to incorporate socio-economic factors in decision making

Questions on Salmon Management: the Review Group considered that the responses to the questions asked in one of the four sections, ‘Habitat Protection & Restoration’, were satisfactory. However, clear improvements are required in several responses to the questions on salmon management to enable all of the sections to be considered as satisfactory. The Review Group has provided detailed feedback to each response that is considered to be unsatisfactory.

Threats / Challenges to Wild Salmon: the Review Group considered that the identified threats and challenges to the management of wild Atlantic salmon identified under two of the three themes all related clearly to NASCO’s Resolutions, Agreements and Guidelines. However, under the ‘Management of Salmon Fisheries’ section the Review Group recommended that consideration be given to identifying threats / challenges related to fisheries management.

SMART Actions: all of the actions in EU – Denmark’s Implementation Plan require work to enable the Review Group to consider them to be satisfactory. As with the threats / challenges above, the Review Group recommended that consideration be given to providing actions related to ‘Management of Salmon Fisheries’. None of the actions in the ‘Habitat Protection & Restoration’ section were considered to be either SMART or satisfactory. This was also the case with the single action in the ‘Aquaculture, Introductions & Transfers & Transgenics’ section. In addition, the aquaculture action was not considered to be related clearly to the aquaculture threat / challenge. Given this, the Review Group considered that none of the actions move EU – Denmark clearly towards the implementation of NASCO’s Resolutions, Agreements and Guidelines.

Mandatory Actions: no mandatory actions are applicable to EU – Denmark.

In the following Evaluation Form, the Review Group has provided guidance on its recommendations for improvements.

Evaluation in 2020 of Revised Implementation Plans Based on Enhanced Guidance from the Council

Under NASCO's third reporting cycle the Review Group is asked to evaluate the Implementation Plans submitted by Parties / jurisdictions in three key areas of assessment, by:

- 1. identifying whether the answers by each Party / jurisdiction to the questions posed in the Implementation Plan template are satisfactory;*
- 2. identifying clearly that the threats and challenges to the management of wild Atlantic salmon identified under each theme are related to NASCO's Resolutions, Agreements and Guidelines; and*
- 3. assessing the description of each action to ensure that it adheres to the 'SMART' descriptors such that progress over time can be assessed objectively.*

This is described in detail in the 'Guidelines for the Preparation and Evaluation of NASCO Implementation Plans and for Reporting on Progress', [CNL\(18\)49](#).

- 1. Answers to each question in the Implementation Plan template, [CNL\(18\)50](#), are to be assessed as:*
 - 1. Satisfactory answers / information;*
 - 2. Unsatisfactory (including unclear or incomplete answers / information or clear omissions or inadequacies).*
- 2. NASCO's Resolutions, Agreements and Guidelines as they apply to the third cycle of reporting are listed throughout the Implementation Plan template, [CNL\(18\)50](#).*
- 3. The Review Group will be required to assess the description of each action using the 'SMART' criteria laid out in the new Guidelines document, [CNL\(18\)49](#), thereby assessing the quality of each of the actions, not just how clearly the actions are stated.*

Additionally, in 2020, the Council has provided enhanced guidance to the Review Group in their 'Enhanced Guidance for the Review of Implementation Plans' ([CNL\(20\)55](#)) whereby each section / area of the Implementation Plan will be scored as satisfactory or unsatisfactory; the actions will also be assessed on their ability to move the Party / jurisdiction clearly towards the implementation of NASCO's Resolutions, Agreements and Guidelines.

Through this process it will be possible to determine whether the Implementation Plan provides a fair and equitable basis for assessing the progress that the Party / jurisdiction will make in implementing NASCO's Resolutions, Agreements and Guidelines.

Where a section / area is deemed by the Review Group to be unsatisfactory, the Implementation Plan will be returned to the Party / jurisdiction. The Review Group will provide a clear explanation of its decision to the Party / jurisdiction and, where feasible and appropriate, offer specific suggestions / recommendations for how it could be improved. The tables below, for each of the three main areas to be assessed, provide a template for evaluation in each case.

Party:	European Union	Jurisdiction/Region:	Denmark
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Assessment area 1. Are the questions posed in the Implementation Plan template answered satisfactorily?

#	Question in IP Template	Initial Assessment (1 or 2)	Draft feedback on any improvements required (for answers assessed as 2)	Comments relating to previous review round: changed as requested by IP RG?
1. Introduction				
1.1	What are the objectives for the management of wild salmon?	1		
1.2	What reference points (e.g. conservation limits, management targets or other measures of abundance) are used to assess the status of stocks?	1	The Review Group recommended again that in future Denmark looks to develop additional reference points. Please refer to CNL(09)43 section 2.4.	No
1.3	What is the current status of stocks under the new classification system outlined in CNL(16)11?	1		
1.4	How is stock diversity (e.g. genetics, age composition, run-timing, etc.) taken into account in the management of salmon stocks?	1		
1.5	To provide a baseline for future comparison, what is the current and potential quantity of salmon habitat?	1		
1.6	What is the current extent of freshwater and marine salmonid aquaculture? <i>Append one or more maps showing the location of aquaculture facilities and aquaculture free zones in rivers and the sea.</i>	1		No map provided
1.7	Please describe the process used to consult NGOs and other stakeholders and industries in the development of this Implementation Plan.	2	Demark noted that all measures contained will be implemented in consultation with stakeholders. However, it is a clear requirement that the development of the plan should be subject to consultation.	No
Overall score by Review Group for 1. Introduction			Unsatisfactory	

2. Management of Salmon Fisheries:				
<i>In this section please review the management approach to each of the fisheries in your jurisdiction (i.e. commercial, recreational and other fisheries) in line with the relevant NASCO Resolutions, Agreements and Guidelines. For Parties / jurisdictions that prosecute mixed-stock fisheries, there should be at least one action related to their management.</i>				
2.1	What are the objectives for the management of the fisheries for wild salmon?	1	The Review Group acknowledged the development of a revised national salmon	

			management plan and strongly recommended that this follows NASCOs guidelines, CNL(09)43, section 2.4.	
2.2	What is the decision-making process for the management of salmon fisheries, including predetermined decisions taken under different stock conditions (e.g. the stock level at which regulations are triggered)?	1		
2.3	(a) Are fisheries permitted to operate on salmon stocks that are below their reference point (e.g. Conservation Limits)? If so, (b) how many such fisheries are there and (c) what approach is taken to managing them that still promotes stock rebuilding?	1	The Review Group was impressed by progress towards re-establishing self-sustaining populations, but recommended that consideration be given to establishing CLs in the future. See CNL(09)43, section 2.4.	
2.4	(a) Are there any mixed-stock salmon fisheries? If so, (b) how are these defined, (c) what was the mean catch in these fisheries in the last five years and (d) how are they managed to ensure that all the contributing stocks are meeting their conservation objectives?	1		
2.5	How are socio-economic factors taken into account in making decisions on management of salmon fisheries?	1		
2.6	What is the current level of unreported catch and what measures are being taken to reduce this?	1		
2.7	Has an assessment under the Six Tenets for Effective Management of an Atlantic Salmon Fishery been conducted? If so, (a) has the assessment been made available to the Secretariat and (b) what actions are planned to improve the monitoring and control of the fishery? (c) If the six tenets have not been applied, what is the timescale for doing so?	2	The Secretariat has confirmed that Denmark submitted its Six Tenets assessment in February 2017. The Review Group requested that Denmark updates the response accordingly.	No
Overall score by Review Group for 2. Management of Salmon Fisheries			Unsatisfactory	

3. Protection and Restoration of Salmon Habitat:				
<i>In this section please review the management approach to the protection and restoration of habitat in your jurisdiction in line with the relevant NASCO Resolutions, Agreements and Guidelines.</i>				
3.1	How are risks to productive capacity identified and options for restoring degraded or lost salmon habitat prioritised, taking into account the principle of 'no net loss' and the need for inventories to provide baseline data?	1	The Review Group recommended that consideration be given in the future to the risks of productive capacity in identification / prioritisation of options for	

			restoring degraded salmon habitat. See CNL(10)51.	
3.2	How are socio-economic factors taken into account in making decisions on salmon habitat management?	1		
3.3	What management measures are planned to protect wild Atlantic salmon and its habitats from (a) climate change and (b) invasive aquatic species?	1		
Overall score by Review Group for 3. Protection and Restoration of Salmon Habitat			Satisfactory	

<p>4. Management of Aquaculture, Introductions and Transfers and Transgenics <i>Council has requested that for Parties / jurisdictions with salmon farms, there should be a greater focus on actions to minimise impacts of salmon farming on wild salmonid stocks. Each Party / jurisdiction with salmon farming should therefore include at least one action relating to sea lice management and at least one action relating to containment, providing quantitative data in Annual Progress Reports to demonstrate progress towards the international goals agreed by NASCO and the International Salmon Farmers Association (ISFA):</i></p> <ul style="list-style-type: none"> • 100% of farms to have effective sea lice management such that there is no increase in sea lice loads or lice-induced mortality of wild salmonids attributable to the farms; • 100% farmed fish to be retained in all production facilities. <p><i>In this section please provide information on all types of aquaculture, introductions and transfers, and transgenics (including freshwater hatcheries, smolt-rearing etc.</i></p>				
4.1	(a) Is the current policy concerning the protection of wild salmonids consistent with the international goals on sea lice and containment agreed by NASCO and ISFA? (b) If the current policy is not consistent with these international goals, when will current policy be adapted to ensure consistency with the international goals and what management measures are planned to ensure achievement of these goals and in what timescale?	1		
4.2	(a) What quantifiable progress can be demonstrated towards the achievement of the international goals for 100% of farms to have effective sea lice management such that there is no increase in sea lice loads, or lice-induced mortality of wild salmonids attributable to sea lice? (b) How is this progress monitored, including monitoring of wild fish? (c) If progress cannot be demonstrated, what additional measures are proposed and in what timescale?	1		
4.3	(a) What quantifiable progress can be demonstrated towards the achievement of the international goals for achieving 100% containment in all (i) freshwater and (ii) marine aquaculture production facilities? (b) How is this progress monitored, including monitoring of wild fish (genetic introgression) and proportion of escaped farmed salmon in the spawning populations? (c) If progress cannot be	1	The Review Group requested further information on the studies identified in relation to escaped rainbow trout.	No

	demonstrated, what additional measures (e.g. use of sterile salmon in fish farming) are proposed and in what timescale?			
4.4	What adaptive management and / or scientific research is underway that could facilitate better achievement of NASCO's international goals for sea lice and containment such that the environmental impact on wild salmonids can be minimised?	1	The Review Group deemed this answer to be satisfactory based on clarifications in 4.2 and 4.3, but the Review Group suggested that text should be added to the response to make this clear. The Review Group would welcome the inclusion here of any research, such as programmes alluded to in 4.3.	No
4.5	What is the approach for determining the location of aquaculture facilities in (a) freshwater and (b) marine environments to minimise the risks to wild salmonid stocks?	a) 1 b) 2	b) The Review Group would expect consideration of wild salmonids in the planning of future aquaculture facilities in line with NASCO / ISFA's Best Management Practice guidelines, SLG(09)5.	No
4.6	What progress has been made to implement NASCO's guidance on introductions, transfers and stocking?	2	The Review Group would expect information to be provided in accordance with the Williamsburg Resolution, CNL(06)48 , while acknowledging that some information is also presented on controls that are in place.	No
4.7	Is there (a) a requirement to evaluate thoroughly risks and benefits before undertaking any stocking programme and (b) a presumption against stocking for purely socio-political / economic reasons?	1		
4.8	What is the policy / strategy on use of transgenic salmon?	2	The Review Group seeks clarification on whether EU Policy is followed in relation to this.	No
4.9	<i>For Members of the North-East Atlantic Commission only:</i> What measures are in place, or are planned, to implement the eleven recommendations contained in the 'Road Map' to enhance information exchange and co-operation on monitoring, research and measures to prevent the spread of <i>Gyrodactylus salaris</i> and eradicate it if introduced, including the development and testing of contingency plans?	2	The Review Group welcomed that Denmark has a <i>Gyrodactylus salaris</i> action plan and is ready to isolate rivers. However, the Review Group recommended that consideration be given to the development of a plan in line with the 11 recommendations contained in the Road Map.	No

Overall score by Review Group for 4. Management of Aquaculture, Introductions and Transfers and Transgenics	Unsatisfactory
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Assessment area 2. Are the threats and challenges to the management of wild Atlantic salmon identified under each theme related clearly to NASCO’s Resolutions, Agreements and Guidelines?

2.8 Threats identified to wild salmon and challenges for management associated with their exploitation in fisheries, including bycatch of salmon in fisheries targeting other species	Initial Assessment (yes / no)	Draft feedback on any improvements required	Comments relating to previous review round: changed as requested by IP RG?
Threat / challenge F1			
Threat / challenge F2			
Threat / challenge F3			
Threat / challenge F4			
Overall score by Review Group for 2.8: threats / challenges associated with exploitation in fisheries, including bycatch of salmon in fisheries targeting other species			Unsatisfactory The Review Group recommended that consideration be given to identifying threats / challenges related to fisheries management. See CNL(09)43.

Copy and paste lines to add in other challenges in the relevant Implementation Plan

3.4 Threats identified to wild salmon and challenges for management in relation to estuarine and freshwater habitat.	Initial Assessment (yes / no)	Draft feedback on any improvements required	Comments relating to previous review round: changed as requested by IP RG?
Threat / challenge H1	Yes		
Threat / challenge H2	Yes		
Threat / challenge H3	Yes		
Threat / challenge H4	Yes		

Overall score by Review Group for 3.4: threats / challenges in relation to estuarine and freshwater habitat	Satisfactory
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Copy and paste lines to add in other challenges in the relevant Implementation Plan

4.10 Threats identified to wild salmon and challenges for management in relation to aquaculture, introductions and transfers, and transgenics.	Initial Assessment (yes / no)	Draft feedback on any improvements required	Comments relating to previous review round: changed as requested by IP RG?
Threat / challenge A1	Yes		
Threat / challenge A2			
Overall score by Review Group for 4.10: threats / challenges in relation to aquaculture, introductions and transfers, and transgenics			Satisfactory

Copy and paste lines to add in other challenges in the relevant Implementation Plan

Assessment area 3. Does each action adhere to the ‘SMART’ descriptors laid out in the new Guidelines document, CNL(18)49?

As a reminder, the ‘SMART’ approach includes reporting on both quantitative and qualitative information. Quantitative information is expected wherever possible and should be presented to demonstrate progress made over the period of the plan towards NASCO’s goals. This should be clear and concise. Where a deviation must be made from a quantitative metric, the reason for the deviation should be explained.

2.9 What SMART actions are planned during the period covered by this Implementation Plan (2019 – 2024) to address each of the threats and challenges identified in section 2.8 to implement NASCO’s Resolutions, Agreements and Guidelines and demonstrate progress towards achievement of its goals and objectives for the management of salmon fisheries?								
#	Action in IP Template	Is the action clearly related to stated threat / challenge?	Is it ‘SMART’? (yes / no)	If ‘no’, which descriptor needs to be reflected more clearly in the action?	If the proposed monitoring is qualitative (as allowed in the Guidelines), is the reason and proposed non-quantitative alternative for monitoring progress acceptable?	Does the action move the Party / jurisdiction clearly towards the achievement of NASCO’s Resolutions, Agreements and Guidelines?	Given the previous question, is the action considered satisfactory or unsatisfactory overall?	Comments relating to previous review round: changed as requested by IP RG?
F1								
F2								
Overall score by Review Group for 2.9: SMART actions to implement NASCO’s Resolutions, Agreements and Guidelines and demonstrate progress towards achievement of its goals and objectives for the management of salmon fisheries							Unsatisfactory The Review Group recommended that consideration be given to providing actions related to fisheries management. See CNL(09)43.	

Copy and paste lines to add in other actions in the relevant Implementation Plan

3.5 What SMART actions are planned during the period covered by this Implementation Plan (2019 – 2024) to address each of the threats and challenges identified in section 3.4 to implement NASCO’s Resolutions, Agreements and Guidelines and demonstrate progress towards achievement of its goals and objectives for the Protection, Restoration and Enhancement of Atlantic Salmon Habitat?								
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#	Action in IP Template	Is the action clearly related to stated threat / challenge?	Is it 'SMART'?(yes / no)	If 'no', which descriptor needs to be reflected more clearly in the action?	If the proposed monitoring is qualitative (as allowed in the Guidelines), is the reason and proposed non-quantitative alternative for monitoring progress acceptable?	Does the action move the Party / jurisdiction clearly towards the achievement of NASCO's Resolutions, Agreements and Guidelines?	Given the previous question, is the action considered satisfactory or unsatisfactory overall?	Comments relating to previous review round: changed as requested by IP RG?
H1	Removal of barriers	Yes	No	While the Review Group appreciated the considerable work being done in Denmark in this area, and welcomed this action, it needs more work to make it acceptable to meet all of the SMART criteria		No. The Review Group considered that this action may be in line with NASCO's Habitat Guidelines (CNL(10)51); however, the Review Group requires more details on timelines and milestones to enable its determination.	Unsatisfactory	No
H2	Predator regulation	Yes	No	While the Review Group appreciated the considerable work being done in Denmark in this area, and welcomed this action, it needs more work to make it acceptable to meet all of the SMART criteria		No. The Review Group considered that this action may be in line with NASCO's Habitat Guidelines (CNL(10)51, section 3.8); however, the Review Group requires more details on timelines and milestones to enable its determination.	Unsatisfactory	No

H3	River restoration	Yes	No	While the Review Group appreciated the considerable work being done in Denmark in this area, and welcomed this action, it needs more work to make it acceptable to meet all of the SMART criteria		No. The Review Group considered that this action may be in line with NASCO's Habitat Guidelines (CNL(10)51, section 3.5 / 3.6); however, the Review Group requires more details on timelines and milestones to enable its determination.	Unsatisfactory	No
H4	Sediment management	Yes	No	While the Review Group appreciated the considerable work being done in Denmark in this area, and welcomed this action, it needs more work to make it acceptable to meet all of the SMART criteria.		No. The Review Group considered that this action may be in line with NASCO's Habitat Guidelines (CNL(10)51, section 3.5 / 3.6); however, the Review Group requires more details on timelines and milestones to enable its determination.	Unsatisfactory	No
Overall score by Review Group for 3.5: SMART actions to implement NASCO's Resolutions, Agreements and Guidelines and demonstrate progress towards achievement of its goals and objectives for the Protection, Restoration and Enhancement of Atlantic Salmon Habitat							Unsatisfactory	

Copy and paste lines to add in other actions in the relevant Implementation Plan

4.11 What SMART actions are planned during the period covered by this Implementation Plan (2019 – 2024) to address each of the threats and challenges identified in section 4.10 to implement NASCO's Resolutions, Agreements and Guidelines and demonstrate progress towards achievement of its goals and objectives for aquaculture, introductions and transfers, and transgenics?

#	Action in IP Template	Is the action clearly related to stated threat / challenge?	Is it 'SMART'? (yes / no)	If 'no', which descriptor needs to be reflected more clearly in the action?	If the proposed monitoring is qualitative (as allowed in the Guidelines), is the reason and proposed non-quantitative alternative for monitoring progress acceptable?	Does the action move the Party / jurisdiction clearly towards the achievement of NASCO's Resolutions, Agreements and Guidelines?	Given the previous question, is the action considered satisfactory or unsatisfactory overall?	Comments relating to previous review round: changed as requested by IP RG?
A1	Yes	No.	No. The action as stated is an aspiration.	Action A1 has not been populated.		No	Unsatisfactory	No
A2								
Overall score by Review Group for 4.11: SMART actions to implement NASCO's Resolutions, Agreements and Guidelines and demonstrate progress towards achievement of its goals and objectives for aquaculture, introductions and transfers, and transgenics							Unsatisfactory	

Copy and paste lines to add in other actions in the relevant Implementation Plan

Mandatory action check	Is such a mandatory action required for this Party / jurisdiction?	Is such an action contained in the Implementation Plan?
For Parties / jurisdictions that prosecute mixed-stock fisheries, there should be at least one action related to their management.	No	Not applicable
Each Party / jurisdiction with salmon farming should include at least one action relating to sea lice management.	No	Not applicable
Each Party / jurisdiction with salmon farming should include at least one action relating to containment.	No	Not applicable
Overall score by Review Group		Satisfactory