

*IP(23)12\_EU – Portugal*

*November 2023 Evaluation of the Revised Implementation Plan under the Third Reporting Cycle (2019 – 2024) from the Review Group to EU – Portugal*

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 agreed, in June 2021, that Parties / jurisdictions may, on a voluntary basis, submit a revised Implementation Plan for review.

The Review Group thanks EU – Portugal for revising and submitting its Implementation Plan following previous evaluations from the Review Group. The Review Group re-assessed the responses to questions changed from the previous Implementation Plan.

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 2023, of EU – Portugal’s Implementation Plan. Sections / areas considered to be ‘satisfactory’ are shown in green, those which are ‘partly satisfactory’ are shown in orange, together with the percentage of satisfactory responses, and those which are ‘unsatisfactory’ are in red.

|               | Questions on Salmon Management |                                |                                  |  | Threats / Challenges to Wild Salmon |                                  |  | SMART 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 | Mandatory Actions |
| EU – Portugal | 57                             | 50                             | 50                               | 76   |                                     |                                  |  | 67                             |                                  |  |                   |

The Review Group considered that EU – Portugal’s revised Implementation Plan still requires further work to achieve a satisfactory rating across all sections / areas of the Plan.

**Positive Feedback from the Review Group:** the Review Group considered that EU – Portugal’s response to question 4.5 to be one of the best

examples of an answer to this question across the various plans, with an excellent approach to determining the location of aquaculture facilities in the fresh water and marine environments. The Group also considered the response to question 4.8 to be a very clear and well described answer.

**Questions on Salmon Management:** after the revisions in 2023, improvements are still required in several responses to the questions on salmon management to enable each of these sections to be considered as satisfactory. However, the Review Group noted that more than 50 % of responses are satisfactory in two of the four sections. The Review Group has provided detailed feedback to each response that is considered to be unsatisfactory.

**Threats / Challenges to Wild Salmon:** the same feedback as in 2021 applies, i.e. the Review Group considered that the identified threats and challenges to the management of wild Atlantic salmon identified under each theme all now related clearly to NASCO's Resolutions, Agreements and Guidelines.

**SMART Actions:** in 2023, two actions were added to the 'Habitat Protection and Restoration' section. No others were changed. Most of the actions in EU – Portugal's Implementation Plan still require work to enable the Review Group to consider them to be satisfactory. In 2021, four of the six 'Management of Salmon Fisheries' actions within the Plan were considered to be both SMART and satisfactory, i.e. the Review Group considered that those actions move EU – Portugal clearly towards the implementation of NASCO's Resolutions, Agreements and Guidelines. The other two actions were considered to be neither SMART nor satisfactory. After revision of the IP in 2023, of the four 'Habitat Protection and Restoration' actions, one was considered to be SMART but unsatisfactory and the other three were considered to be neither SMART nor satisfactory. In 2021, none of the actions on 'Aquaculture, Introductions & Transfers & Transgenics' were considered to be either SMART or satisfactory.

**Mandatory Actions:** no mandatory actions are applicable to EU – Portugal. However, in 2021 the Review Group noted that should the experimental salmon farm enter into operation there would be a requirement to have mandatory action on the management of sea lice and containment.

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

## ***Evaluation in 2023 of Revised Implementation Plans***

*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.*

***In 2021, Council made decisions which mean that 1) only the revised parts of any resubmitted IP need to be reviewed 2) aspects of the IP that are moving the Party / jurisdiction clearly towards the achievement of NASCO's Resolutions, Agreements and Guidelines should be identified, and 3) significant improvements should be identified, to be communicated on the NASCO website and social media.***

**Party: European Union**

**Jurisdiction/Region: Portugal**

**Assessment area 1. Are the questions posed in the Implementation Plan template answered satisfactorily?**

| #                      | Question in IP Template  | Assessment (1 or 2) | Feedback on any improvements required (for answers assessed as 2)  | Comments relating to previous review round: changed as requested by IP RG? |
|------------------------|--|---------------------|--|--|
| <b>1. Introduction</b> |  |                     |  |  |
| 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?   | 2                   | The Review Group welcomed the additional information provided on projects directed at increasing the knowledge of national salmon populations, including distribution and abundance, population genetics and migration of smolts and adults. The need for longer term data collection was recognised in order to develop reference points. | 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?   | 2                   | The Review Group welcomed the work being undertaken as part of the SALMONLINK & SMOLTrack projects. It is still not clear, however, how the results are being taken into account in salmon management.   | No   |
| 1.5                    | To provide a baseline for future comparison, what is the current and potential quantity of salmon habitat?   | 1                   | The RG welcomed the updated information, to include the Rivers Vez and Vade.   |  |
| 1.6                    | What is the current extent of freshwater and marine salmonid aquaculture?<br><i>Append one or more maps showing the location of aquaculture facilities and aquaculture free zones in rivers and the sea.</i> | 1                   |  |  |
| 1.7                    | Please describe the process used to consult NGOs and other stakeholders and industries in the development of this Implementation Plan.   | 2                   | The Review Group acknowledged the additional surveys of the commercial and recreational fishermen from the Minho and Lima river basins and the 2022 socio-economic survey.   | No   |

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|  |  |  | However, the Review Group again noted that the IP itself should be prepared in consultation with NGOs and other relevant stakeholders and industries (reference the Guidelines document CNL(18)49). |  |
| <b>Overall score by Review Group for 1. Introduction</b> |  |  | <b>Unsatisfactory</b>   |  |

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| <b>2. Management of Salmon Fisheries:</b>   |  |   |  |           |
| <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> |  |   |  |           |
| <b>2.1</b>  | What are the objectives for the management of the fisheries for wild salmon?   | 1 |  |           |
| <b>2.2</b>  | 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)?  | 2 | The Review Group recommended that actions F2, F3, F4 and F5 might help develop further the decision-making process for the management of salmon fisheries.   |           |
| <b>2.3</b>  | (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 | (c) The RG welcomed the annual surveys being conducted (University of Évora / MARE) to commercial and recreational fishermen from Minho and Lima River basins, to collect catch data. The Review Group looks forward to the data being used to support the management of the stocks. | Yes       |
| <b>2.4</b>  | (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 |  |           |
| <b>2.5</b>  | How are socio-economic factors taken into account in making decisions on management of salmon fisheries?   | 2 | The Review Group welcomed the socio-economic survey that was conducted in the Minho and Lima River basins, to collect information and characterise salmon fisheries; however, the data are still being analysed. The answer described the  | Partially |

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|  |  |   | consultation process but not how the information resulting from these consultations, and other socio-economic factors, are taken into consideration during decision making on salmon fisheries management. (See section 2.9 of the Fisheries Guidelines Document CNL(09)43).    |  |
| 2.6  | What is the current level of unreported catch and what measures are being taken to reduce this?  | 2 | The Review Group required clarity on what measures will be taken to reduce the current level of unreported catch.   |  |
| 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 NASCO Council has asked that Parties undertake this assessment. Jurisdictions of the EU have been requested to undertake the assessment. The Review Group recommended that EU – Portugal consider undertaking the assessment and detail the timeframe this will be done in. |  |
| <b>Overall score by Review Group for 2. Management of Salmon Fisheries</b> |  |   | <b>Unsatisfactory</b>   |  |

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| <b>3. Protection and Restoration of Salmon Habitat:</b>  |  |   |   |  |
| <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? | 2 | Although consideration of habitat is discussed in relation to the WFD and HDs, how the risks to productive capacity are identified and the principle of ‘no net loss’ are not addressed in the response to this question. |  |
| 3.2  | How are socio-economic factors taken into account in making decisions on salmon habitat management?  | 2 | The answer describes the consultation process but not how the information resulting from these consultations, and other socio-economic factors, are taken into consideration during decision making on                    |  |

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|  |   |   | salmon habitat management (see section 3.9 of the Habitat Guidelines (CNL(10)51) |  |
| <b>3.3</b>   | What management measures are planned to protect wild Atlantic salmon and its habitats from (a) climate change and (b) invasive aquatic species? | 1 |  |  |
| <b>Overall score by Review Group for 3. Protection and Restoration of Salmon Habitat</b> |   |   | <b>Unsatisfactory</b>  |  |

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| <p><b>4. Management of Aquaculture, Introductions and Transfers and Transgenics</b></p> <p><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"> <li>• 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;</li> <li>• 100% farmed fish to be retained in all production facilities.</li> </ul> <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                                   | The Review Group noted that should the experimental farm enter into operation there would be a requirement to address the questions and threats from aquaculture.   |
| 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                                   | The Review Group noted that should the experimental farm enter into operation there would be a requirement to address the questions and threats from aquaculture.   |
| 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 demonstrated, what additional measures (e.g. use of sterile salmon in fish farming) are proposed and in what timescale? | a) i) 2<br>a) ii) 1<br>b) 1<br>c) 1 | The Review Group request that a response is given to this question.<br><br>A complete response needs to be given to question (a)(i) including ‘not applicable’ to the rest of the answers would be satisfactory.<br><br>The Review Group noted that should the experimental farm enter into operation there would be a requirement to address the questions and threats from aquaculture. |
| 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                                   |   |

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| 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?  | 1 |   |  |
| 4.6  | What progress has been made to implement NASCO's guidance on introductions, transfers and stocking?   | 1 |   |  |
| 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?  | 2 | The Review Group requested that consideration is given to the development of a risk-based analysis for their stocking programme.  |  |
| 4.8  | What is the policy / strategy on use of transgenic salmon?  | 1 |   |  |
| 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 noted that the development and implementation of a plan for <i>G. salaris</i> , as detailed in the 'Road Map', is an agreed requirement for each member of the North-East Atlantic Commission. |  |
| <b>Overall score by Review Group for 4. Management of Aquaculture, Introductions and Transfers and Transgenics</b> |   |   | <b>Unsatisfactory</b>   |  |

**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?**

| <b>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</b> | <b>Assessment (yes / no)</b> | <b>Feedback on any improvements required</b>    | <b>Comments relating to previous review round: changed as requested by IP RG?</b> |
|--|------------------------------|---|---|
| Threat / challenge F1  | Yes                          |   |   |
| Threat / challenge F2  | Yes                          |   | The Review Group welcomed the additional information on this challenge            |
| Threat / challenge F3  | Yes                          | A clearer specific description would be helpful |   |
| Threat / challenge F4  | Yes                          |   |   |
| Threat / challenge F5  | Yes                          |   |   |
| Threat / challenge F6  | Yes                          |   |   |
| <b>Overall score by Review Group for 2.8: threats / challenges associated with exploitation in fisheries, including bycatch of salmon in fisheries targeting other species</b>               |                              |   | <b>Satisfactory</b>   |

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

| <b>3.4 Threats identified to wild salmon and challenges for management in relation to estuarine and freshwater habitat.</b> | <b>Assessment (yes / no)</b> | <b>Feedback on any improvements required</b> | <b>Comments relating to previous review round: changed as requested by IP RG?</b> |
|---|------------------------------|--|---|
| Threat / challenge H1   | Yes                          |  |   |
| Threat / challenge H2   | Yes                          |  |   |
| <b>Overall score by Review Group for 3.4: threats / challenges in relation to estuarine and freshwater habitat</b>          |                              |  | <b>Satisfactory</b>   |

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

| <b>4.10 Threats identified to wild salmon and challenges for management in relation to aquaculture, introductions and transfers, and transgenics.</b> | <b>Assessment (yes / no)</b> | <b>Feedback on any improvements required</b> | <b>Comments relating to previous review round: changed as requested by IP RG?</b> |
|---|------------------------------|--|---|
| Threat / challenge A1   | Yes                          |  |   |
| Threat / challenge A2   | Yes                          |  |   |
| Threat / challenge A3   | Yes                          |  |   |
| <b>Overall score by Review Group for 4.10: threats / challenges in relation to aquaculture, introductions and transfers, and transgenics</b>          |                              |  | <b>Satisfactory</b>   |

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.

| <b>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?</b> |   |  |   |  |  |   |  |   |
|--|---|--|---|--|--|---|--|---|
| <b>#</b>   | <b>Action in IP Template</b>  | <b>Is the action clearly related to stated threat / challenge?</b> | <b>Is it ‘SMART’? (yes / no)</b>  | <b>If ‘no’, which descriptor needs to be reflected more clearly in the action?</b>                   | <b>If the proposed monitoring is qualitative (as allowed in the Guidelines), is the reason and proposed non-quantitative alternative for monitoring progress acceptable?</b> | <b>Does the action move the Party / jurisdiction clearly towards the achievement of NASCO’s Resolutions, Agreements and Guidelines?</b> | <b>Given the previous question, is the action considered satisfactory or unsatisfactory overall?</b> | <b>Comments relating to previous review round: changed as requested by IP RG?</b> |
| <b>F1</b>  | Establishment of a Commission for the Monitoring of Diadromous Species Fisheries with a working group exclusively dedicated to the Atlantic salmon. | Yes  | Yes   |  |  | Yes. The Review Group considered that this is in line with CNL(09)43, section 2.1a  | Satisfactory   |   |
| <b>F2</b>  | Perform a scientific assessment   | Yes  | No. The Review Group very much welcomed this action and felt it is appropriate; | ‘Specific’ needs to be reflected more clearly. The Review Group expects to see this SMART descriptor |  | No. The Review Group considered that this action may in the future provide information to support NASCO’s                               | Unsatisfactory   |   |

|           |  |     |   |   |  |   |                |  |
|-----------|--|-----|---|---|--|---|----------------|--|
|           |  |     | however, more detail is required  | adequately addressed  |  | guidelines, CNL(09)43, section 2.5; however, more detail should be provided to enable a fuller review.  |                |  |
| <b>F3</b> | Operational Plan for the Monitoring and Management of Anadromous Fish in Portugal  | Yes | Yes. The Review Group recommended that this action be supported by more specific details. |   |  | Yes. The Review Group considered that this is in line with CNL(09)43, section 2.5e.   | Satisfactory   |  |
| <b>F4</b> | Permanent International Commission   | Yes | Yes   |   |  | Yes. The Review Group considered that this is in line with CNL(09)43, section 2.1a  | Satisfactory   |  |
| <b>F5</b> | Establishing harmonized legislation regarding: fishing restrictions/interdictions, closures, minimum sizes, allowed gears, control and inspection in both rivers. Promote clarification actions among fishermen. | Yes | No  | Specific, Measurable and Timely need to be reflected more clearly. The Review Group expects to see these SMART descriptors adequately addressed |  | No. The Review Group considered that this action may in the future provide information to support, CNL(09)43, section 2.5; however, more detail should be provided to enable a fuller review. | Unsatisfactory |  |
| <b>F6</b> | Red Book of freshwater and diadromous fishes   | Yes | Yes.  |   |  | Yes.  | Satisfactory   |  |

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|   | and development of an information system about these species. |  | Monitoring of salmon for the HD is targeted and focused with defined deliverables. |  |  |  |                       |  |  |
| <b>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</b> |   |  |  |  |  |  | <b>Unsatisfactory</b> |  |  |

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

| <b>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?</b> |   |  |  |   |  |   |  |   |
|--|---|--|--|---|--|---|--|---|
| <b>#</b>   | <b>Action in IP Template</b>  | <b>Is the action clearly related to stated threat / challenge?</b> | <b>Is it ‘SMART’? (yes / no)</b>   | <b>If ‘no’, which descriptor needs to be reflected more clearly in the action?</b>  | <b>If the proposed monitoring is qualitative (as allowed in the Guidelines), is the reason and proposed non-quantitative alternative for monitoring progress acceptable?</b> | <b>Does the action move the Party / jurisdiction clearly towards the achievement of NASCO’s Resolutions, Agreements and Guidelines?</b> | <b>Given the previous question, is the action considered satisfactory or unsatisfactory overall?</b> | <b>Comments relating to previous review round: changed as requested by IP RG?</b> |
| <b>H1</b>  | Assessing and enhancing ecosystem services provided by diadromous fish in a climate change context – DiadES | Yes  | No. Not specifically salmon focused; this is an EU-funded research-focused project where | ‘Relevant’ needs to be reflected more clearly. The Review Group expects to see these SMART descriptors adequately addressed |  | No. The Review Group does not consider, given the information presented, that this is in line with CNL(10)51.                           | Unsatisfactory   |   |

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|           |   |  | applied measures are limited.   |  |  |  |                |            |
| <b>H2</b> | Migra Miño-Minho Project:   | Yes  | Yes. Barriers to fish passage – mitigation to open up habitat. Only concern is it ends in 2019. |  |  | No. The Review Group considered that this is outside the timeline of the Implementation Plans (2019-2014).   | Unsatisfactory |            |
| <b>H3</b> | DiadSea - Transnational cooperation to improve the management and conservation of diadromous fish at sea  | No. The Review Group noted that there is no threat / challenge for this action. It also considered that this Action is closely aligned to threat / challenge F2. | No.   | ‘Relevant’ needs to be reflected more clearly. The Review Group expected to see this SMART descriptor adequately addressed.              |  | No. The Review Group considered that this Action could be moved to the IP section on Fisheries Management given that it supports elements of sections 2.4 and 2.4 of NASCO Guidelines for the Management of Salmon Fisheries CNL(09)43, rather than the Habitat Guidelines, CNL(10)51. | Unsatisfactory | New Action |
| <b>H4</b> | LIFE REVIVE - Innovative and integrated solutions to mitigate hydromorphological pressures and enhance ecological status in the Lima and Vouga basins | No. The Review Group noted that there is no threat / challenge for this action.  | No.   | It does not address any of the SMART descriptors. The Review Group expected to see all of the SMART descriptors adequately addressed and |  | No. However, the Review Group considered that this action, if implemented, may in the future support the improvement of salmon habitat, in   | Unsatisfactory | New Action |

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|   |  |  |  | suggested the Guidelines document (CNL(18)49) is consulted. |  | line with the Habitat Guidelines, CNL(10)51. |   |  |
| <b>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</b> |  |  |  |   |  |  | <b>Unsatisfactory</b><br>Each action should relate to a threat / challenge. There are four actions but only two threats / challenges. |  |

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

| <b>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?</b> |   |  |   |  |  |   |  |   |
|---|---|--|---|--|--|---|--|---|
| <b>#</b>  | <b>Action in IP Template</b>  | <b>Is the action clearly related to stated threat / challenge?</b> | <b>Is it 'SMART'? (yes / no)</b>                                  | <b>If 'no', which descriptor needs to be reflected more clearly in the action?</b>   | <b>If the proposed monitoring is qualitative (as allowed in the Guidelines), is the reason and proposed non-quantitative alternative for monitoring progress acceptable?</b> | <b>Does the action move the Party / jurisdiction clearly towards the achievement of NASCO's Resolutions, Agreements and Guidelines?</b>                   | <b>Given the previous question, is the action considered satisfactory or unsatisfactory overall?</b> | <b>Comments relating to previous review round: changed as requested by IP RG?</b> |
| <b>A1</b>   | Ensure the monitoring and control of the facility and minimize the environmental impacts.<br>To guarantee the physical-chemical quality and the biological safety of the discharged water in the natural environment. | Yes  | No.<br>The answer here refers to the current legislative process. | This is not an acceptable action because it does not address any of the SMART descriptors.<br>The Review Group expected to see all of the SMART descriptors adequately addressed |  | No.<br>The Review Group considered that this action could be improved by making it more succinct and directly related to the conservation of wild salmon. | Unsatisfactory   |   |

|   |  |     |  |   |  |   |                       |  |
|---|--|-----|--|---|--|---|-----------------------|--|
| <b>A2</b>   | Prevent the escape of non-indigenous specimens to the natural environment, avoiding the ecological impact. | Yes | No   | This is not an acceptable action because it does not address any of the SMART descriptors. The Review Group expected to see all of the SMART descriptors adequately addressed |  | No. The Review Group did not consider that this action clearly relates to SLG(09)5, and could be improved by making it more succinct and directly related to the conservation of wild salmon. | Unsatisfactory        |  |
| <b>A3</b>   | Attribution and maintenance of a disease-free status for all aquaculture establishments.                   | Yes | No. The answer here refers to the current legislative process. | This is not an acceptable action because it does not address any of the SMART descriptors. The Review Group expected to see all of the SMART descriptors adequately addressed |  | No. The Review Group did not consider that this action clearly relates to SLG(09)5, and could be improved by making it more succinct and directly related to the conservation of wild salmon. | Unsatisfactory        |  |
| <b>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</b> |  |     |  |   |  |   | <b>Unsatisfactory</b> |  |

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

| <b>Mandatory action check</b>  | <b>Is such a mandatory action required for this Party / jurisdiction?</b> | <b>Is such an action contained in the Implementation Plan?</b> |
|--|---|--|
| For Parties / jurisdictions that prosecute mixed-stock fisheries, there should be at least one action related to their management. | <b>No</b>   | <b>No</b>  |

|   |           |  |
|---|-----------|--|
| Each Party / jurisdiction with salmon farming should include at least one action relating to sea lice management. | <b>No</b> | <b>No</b><br>The Review Group noted that should the experimental farm enter into operation there would be a requirement to have a mandatory action here. |
| Each Party / jurisdiction with salmon farming should include at least one action relating to containment.         | <b>No</b> | <b>No</b><br>The Review Group noted that should the experimental farm enter into operation there would be a requirement to have a mandatory action here. |
| <b>Overall score by Review Group</b>  |           | <b>Satisfactory</b>  |

### Positive Feedback

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|--|
| <b>Are there any aspects of the IP, in particular, that move the Party / jurisdiction clearly towards the achievement of NASCO's Resolutions, Agreements and Guidelines? (please state below)</b>  |
| <p>The Review Group considered that the following actions, in particular, move EU – Portugal clearly towards the achievement of NASCO's Resolutions, Agreements and Guidelines:</p> <ul style="list-style-type: none"> <li>• Management of Salmon Fisheries: F1, F3, F4 and F6.</li> </ul> |

|  |
|--|
| <b>Are there any significant improvements by the Party / jurisdiction that could be communicated on the NASCO website and social media? (please state below)</b> |
|  |