MEETING DOCUMENT

**Expert group Climate Change Adaptation (EG-C 10)**

21 October 2021

Online meeting

**Agenda Item: 7. Work plan**

**Subject: Work plan – living document**

**Document No.:** EG-C 10/7

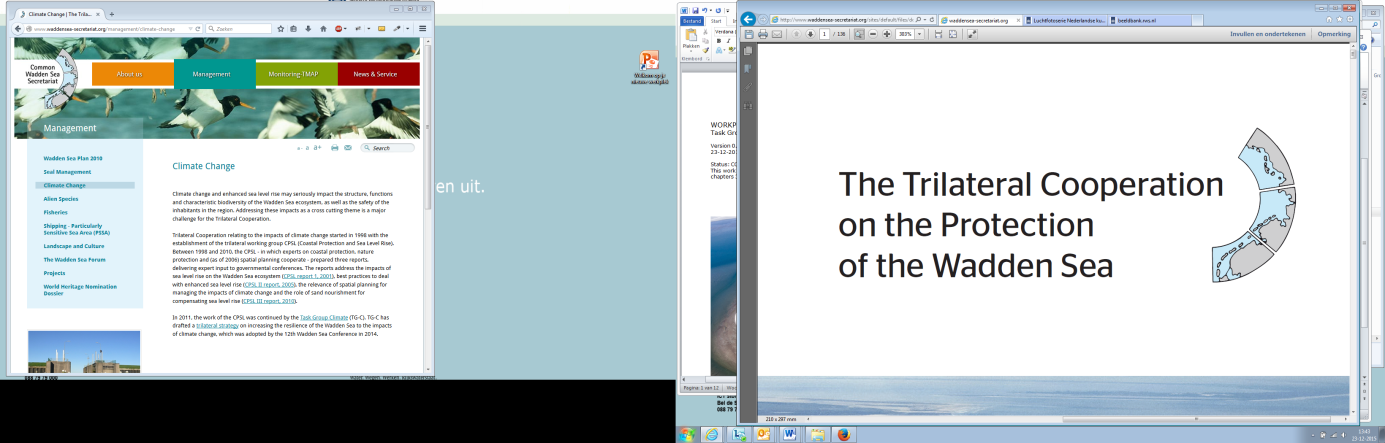
**Date:** 5 May 2021

**Submitted by: Robert Zijlstra**

Revision of tasks and deliverables of ToR, Incorporation of CVI activities to the work plan.

This document contains the work plan as discussed at EG-C 3 on 17 – 19 September 2020.

**Proposal:** Amend work plan as appropriate (as living document), review progress and plan activities in 2021 and for the ministerial conference in 2022

**

**Workplan 2019-2022  
Expert group climate**

Version 0.1.

31-aug-2019

Status: CONCEPT

This work plan has not been adopted. It is intended as a living document.

Table of contents

[1. Introduction and background 3](#_Toc18322969)

[Climate change and tri-lateral cooperation 3](#_Toc18322970)

[Expert group climate 3](#_Toc18322971)

[Scope workplan 3](#_Toc18322972)

[2. Goals and objectives 4](#_Toc18322973)

[Tasks and deliverables 4](#_Toc18322974)

[Envisaged results for 2022 4](#_Toc18322975)

[3. Description of activities 5](#_Toc18322976)

[WP1: general activities 5](#_Toc18322977)

[WP2: Monitor and stimulate trilateral climate change adaptation strategy (TCCAS) 6](#_Toc18322978)

[WP3: stimulate and support knowledge 7](#_Toc18322979)

[WP4: Climate Vulnerability Index 8](#_Toc18322980)

[4. Overview funding / finance, calendar 9](#_Toc18322981)

[Cost and funding 9](#_Toc18322982)

[Calendar 10](#_Toc18322983)

[Appendix 1: TOR Expert Group Climate Change Adaptation (EG-C) 11](#_Toc18322984)

[Appendix 2: Members **Expert Group Climate Change Adaptation (EG-C)** 12](#_Toc18322985)

1. Introduction and background

Climate change and tri-lateral cooperation

The main objective of the trilateral cooperation is to protect and manage the Wadden Sea as a single ecological entity shared by the three countries in accordance with the Guiding Principle, which is “to achieve, as far as possible, a natural and sustainable ecosystem in which natural processes proceed in an undisturbed way”.

Climate change and enhanced sea level rise may seriously impact the structure, functions and characteristic biodiversity of the Wadden Sea ecosystem, as well as the safety of the inhabitants in the region. Addressing these impacts as a cross cutting theme is a major challenge for the Trilateral Cooperation. The overall goal of climate change adaptation in the Wadden Sea Area is to safeguard and promote the qualities and integrity of the area as a natural and sustainable ecosystem whilst ensuring the safety of the inhabitants and visitors, as well as the cultural heritage and landscape assets and sustainable human use. Furthermore the Wadden Sea is a world heritage site. Therefore it is also required to know the impact of climate change on the OUV of the area.

Expert group climate

The expert group climate (EG-C) is a working group under the trilateral cooperation on the protection of the Wadden Sea. Cooperation on this topic started in 1998 with the establishment of the trilateral working group CPSL (Coastal Protection and Sea Level Rise). In 2011, the work of the CPSL was continued by the [Task Group Climate](http://www.waddensea-secretariat.org/about-us/working-group-meetings?show=28) (TG-C). The TG-C consisted of experts from Denmark, Germany and the Netherlands, facilitated by the common Wadden Sea Secretariat (CWSS). After the Leeuwarden Declaration the group was transformed into an expert group, giving the group a more permanent status not coupled to a specific (temporary) task. The group composition (see annex 2) was not changed.

Between 2011 and 2014 the TG-C drafted a [trilateral strategy](http://www.waddensea-secretariat.org/sites/default/files/downloads/Folkert_downloads/annex_6-climate_strategy.doc) on increasing the resilience of the Wadden Sea to the impacts of climate change. At the Trilateral Governmental Conference in February 2014 the strategy was adopted. Between 2014 and 2018 the strategy was implemented and TG-C evaluated this. This is an ongoing process. In the Leeuwarden Declaration (2018) is re-confirmed that work on the implementation of the strategy has to continue. Also is stated that more research on the impact of climate change on the Wadden Sea (eco)system is needed as still a lot is unknown.

Scope workplan

This work plan describes the activities of EG-C for the period 2019 – 2022. The last year of this period will mainly consist of (formal) preparations for the next trilateral governmental conference. This work plan focusses on activities and deliverables for 2019-2020. This work plan is a living document. It describes activities foreseen at this moment. EG-C can be assigned by the Wadden Sea board to do other work (see Terms of Reference). The plan will be updated if required. This present version has no formal status and is intended for internal use by EG-C.

Leeuwarden Declaration

All tasks of EG-C comply with the of the Leeuwarden Declaration. It is noted that the work of EG-C is limited to climate adaptation.

*§27. Instruct the Wadden Sea Board to continue implementing the Trilateral Climate Change Adaptation Strategy and update the priorities contained therein where needed;*

*§28. Request the Wadden Sea Board to determine together with its scientific partners which investigations are needed to better understand the impacts of climate change on the Wadden Sea ecosystem, for example on primary production and alien species, and to be prepared to enhance the level of adequate management to safeguard the Outstanding Universal Value of the Wadden Sea;*

2. Goals and objectives

The basis of the work for EG-C in the period 2019 – 2022 is described in the terms of reference. The term of reference have been adopted by the Wadden Sea Board and describe objective, tasks and deliverables.

The main objective of tri-lateral cooperation within EG-C for the period 2019 – 2020 is: “Coordinated trilateral policies for enhancing the resilience of the Wadden Sea ecosystem to impacts of climate change”. In the review of the TWSC (spring 2019) EG-C was instructed to provide a stronger link with the other groups.

Tasks and deliverables

Four task are assigned to EG-C in the terms of reference:

1. Monitor and stimulate the implementation of the trilateral climate change adaptation strategy (CCAS) and update the priorities contained therein where needed;
2. Stimulate and support exchange of knowledge on effects of climate change with respect to morphology and biology of the Wadden Sea and possible adaptation measures;
3. Contribute/review relevant chapters of the Quality Status Report (if applicable);
4. Advise/support implementation of the trilateral research agenda and prioritization of research (with respect to the topic of climate change adaptation and required system knowledge);
5. Implement and/or coordinate any other activities and projects assigned by the Wadden Sea Board.

Further the following deliverables are to be produced by EG-C:

1. Updated list of actions for implementation of the trilateral CCAS
2. Recommendations for amending and initiating trilateral policies and, as appropriate, pilot projects for climate change adaptation
3. Chapters of the Quality Status Report (if applicable)
4. Maintenance of the trilateral knowledge platform
5. Trilateral Workshop/symposia on climate change adaptation on relevant topics.

Envisaged results for 2022

An important item of this work plan is what EG-C intends to deliver to the next trilateral ministerial conference. Above mentioned tasks and deliverables from the terms of reference do not directly define this. The ambition of EG-C is to prepare the following three products:

1. Progress report on (the implementation of) the trilateral climate change adaptation strategy (TCCAS);   
   The progress report describes implementation of TCCAS, possible improvements, changes to the strategy and recommendations for next 4 year period of tri-lateral cooperation, including updated priorities for climate change adaptation.
2. Report on the vulnerability of the Wadden Sea (eco)system to climate change.  
   In this report the outcome of a recently started process on the development of a climate vulnerability index (CVI) will be described.

3. Description of activities

This chapter further elaborates work of EG-C, including (preliminary) planning and financial aspects. The activities required to fulfill tasks #1, #2 and #4 from the terms of reference and to produce the deliverables are listed here. Obviously, task #3 and #5 cannot be described on beforehand.

The proposed activities of the task group climate are divided into four work packages. A general work package and three work packages contributing to the main fields of work:

WP1: General activities

WP2: Trilateral climate change adaptation strategy

WP3: Trilateral cooperation and knowledge exchange

WP4: Climate Vulnerability Index (CVI)

WP1: general activities

This work package consist of the general and continuous activities. These activities do not directly contribute to the results in 2018 but are required for the process and general responsibilities of EG-C in the tri-lateral cooperation.

***Activities***

WP1.1 Organize regular EG-C meetings  
The expert group will in principle meet 4 times a year. In principle at least one meeting consists of a visit to a project/pilot site.

WP1.2 Regular reporting   
The expert group will regularly report progress to CWSS. In principle via the meeting reports. If necessary the group will report (or raise issues) to the Wadden Sea Board.

WP1.3 Contribute to the QSR (PM)  
The TG-C was responsible for writing two chapters in the quality status report: Climate and Coastal defense. At the moment it is unclear when the QSR will be written again and what contribution is expected from EG-C (PM).

WP1.3 Advise on climate related issues  
On request or unasked EG-C can advise the WSB or other entities of the trilateral cooperation. At the moment an advise on consequence of accelerated sea level rise is foreseen.

WP1.5 Advise/support implementation of the trilateral research agenda  
Upon request of CWSS or the board, EG-C can advise on the elaboration and priorities of the trilateral research agenda

***Planning***

Activities 1.1, 1.2 and 1.4 are ongoing (therefore not shown below). Planning for activity 1.3 and 1.5 is unknown at the moment.

2019-Q1-Q2: <PM>

2019-Q3-Q4: <PM>

2020-Q1-Q2: <PM>

2020-Q3-Q4: <PM>

2021: <PM>

2022: <PM>

***Resources and finance***

All activities in WP1 shall be done with the available capacity within the EG-C and CWSS secretariat. No additional funding is required. For minor financial requirements CWSS has budget available. In the past some capacity was hired for writing the QSR, via financing by Rijkswaterstaat (NL). This budget is again available for this period.

WP2: Trilateral climate change adaptation strategy (TCCAS)

In the ministerial declaration the three nations adopted the TCCAS and expressed the intention to further implement principles and objectives. The expert group Climate will not involve in implementation of the strategy itself. This is the responsibility of national and regional authorities. The expert group will – according to terms of reference - monitor and stimulate the implementation. And where needed, suggest updating. In this period the priorities of the strategy – dating from 2014 - will be reviewed and updated.

***Activities***

1. Update the list of priorities from CCAS  
   In 2014 several priorities for implementation of CCAS were defined. This list is now 5 years old and will be reviewed and updated.
2. Interact with other groups / promote CCAS principles  
   EG-C will present and promote the CCAS and its priorities within the TWSC and linked groups (E.g. WSF).
3. Pilot site(s)  
   EG-C will investigate if pilot sites or projects can be found to showcase the application of the CCAS and stimulate knowledge exchange of the principles of adaptation in the Wadden Sea.
4. Write syntheses / recommendations for ministerial conference.   
   Based upon work in the period 2019-2021 and recent developments EG-C will advise on the TCCAS and updating. Results are to be presented at the next ministerial conference or in the declaration in 2022.

***Planning***

2019-Q1-Q2: <PM>

2019-Q3-Q4: 2.1

2020-Q1-Q2: 2.1, 2.2

2020-Q3-Q4: 2.2

2021: 2.4

2022: 2.4

***Resources and finance***

EG-C members can provide information of existing policies and ongoing actions but will not have sufficient time available to thoroughly investigate (and write down) what is being done within framework of the TCCAS. However, external capacity is not foreseen. For development of a pilot site additional funding may be required to develop information or promotion material.

WP3: Trilateral cooperation and knowledge exchange

Facilitating and organizing knowledge exchange between the nations and its regional authorities is an important activity of EG-C. By exchanging information and showcasing best practices involved parties in the TWSC can learn and help each other in achieving the goals for climate change adaptation. The work of EG-C should also contribute to strengthening the trilateral network of experts and policy makers involved in climate change adaptation.

In 2019, EG-C together with TG-WH started a pilot project on developing a Climate Vulnerability Index (see separate WP4). The CVI will contribute to knowledge exchange. EG-C aims to update the trilateral website on climate, including disclosing the information in the knowledge base that was created before. Further it is intended to organize at least one tri-lateral conference or meeting on climate change adaptation in the Wadden Sea. Other possibilities for information exchange are to be further explored. It is intended to develop guidelines (overview of best practice projects) for the next conference.

***Activities***

1. Development of website and update information matrix  
   Update the information on the website and disclose the information matrix.
2. Information exchange
   1. via presentations (EG-C meetings) and/or other groups
   2. Trilateral newsletter / flyer, annual newsletter (optional)
   3. via website, e.g. promote projects
   4. Contribute to specialist workshops/meetings
3. Contribute to education on the Wadden Sea w.r.t. climate  
   To be elaborated, in cooperation with NG-E?
4. Organize workshop/symposium  
   Possible topics: consequences of a changing climate (related to CVI outcome?) or focusing on management of the sandy coast (tidal inlet systems, management, modelling).
5. Communicate work on Climate adaptation and CCAS to the broader Wadden Sea community

***Planning***

NB: activity 3.2a and d are ongoing (not shown below). Activity 3.2b and c, 3.3, 3.5 are not yet planned.

2019-Q1-Q2:

2019-Q3-Q4:

2020-Q1-Q2:

2020-Q3-Q4: 3.1, 3.2c, 3.4

2021: 3.1, 3.2c, 3.4

2022: PM

***Resources and finance***

For organization of a (bigger) symposium approximately 20.000 eur is foreseen , this includes some capacity for practical work on the organization. In principle this can be covered by the available Dutch budget and possibly by cooperation with other groups, e.g. the BwN-project. It is assumed that costs for the website are covered by CWSS. For the contribution to education separate funding is to be found.

WP4: Climate Vulnerability Index

One of the major questions regarding the future of the Wadden Sea is how the (eco) system responds to climate change. In 2019 EG-C (and TG-WH) were assigned by the WSB to pilot the so-called Climate Vulnerability Index on the Wadden Sea. The CVI is a rapid assessment tool to investigate effects of climate change on world heritage sites. During the pilot the method will be applied to assess the impact of climate change on the Wadden Sea ecosystem. Social and economic impacts and options for management will not yet be included. If successful, a proposal to extent the pilot will be made. A separate workplan for the CVI pilot is available.

***Activities***

1. Preparatory work for CVI.  
   Consists of planning the workshop, generating an (literature) overview of climate related effects on the Wadden Sea (eco)system.
2. CVI Workshop and reporting  
   The core of the CVI is an expert workgroup in which – on basis of available knowledge – possible impacts of climate change will be described and rated.
3. Further elaborate CVI and consequence for management (optional, PM)

***Planning***

2019-Q1-Q2: 4.1

2019-Q3-Q4: 4.1, 4.2

2020-Q1-Q2: 4.2

2020-Q3-Q4: 4.3

2021: <PM>

2022: <PM>

***Resources and finance***

The three countries have agreed (WSB meeting) that 25kEUR is made available for the CVI pilot. Further required budget to be elaborated and depends on ambition level and steps after the pilot in 2020.

4. Overview funding / finance, calendar

Cost and funding

EG-C has no direct funding. All activities are to be financed via in kind contributions or separate project funding. Small amounts of money can be made available via the CWSS. The Netherlands have an additional budget to support EG-C activities. Via the Building with Nature proposal CWSS has funding for some activities and research related to coastal defense and climate change.

**Table: overview required and available budget**

|  |  |  |
| --- | --- | --- |
| Work package | Estimated budget (preliminary) | (Possible) funding |
|  |  |  |
| #1 | N.A. | CWSS |
| #2 | N.A. |  |
| #3 | EUR 20.000 | RWS (NL) |
| #4 | EUR 25.000 | Assignment WSB |

See next page.

Calendar

|  |  |  |  |
| --- | --- | --- | --- |
| **Quarter** | **Month** | **Reguler meeting** | **Other** |
| Q3, 2019 | Jul  Aug  Sep | EG-C#3, sept, Hooge |  |
| Q4, 2019 | Oct  Nov  Dec | WSB  EG-C#4 |  |
| Q1, 2020 | Jan  Feb  Mar | WSB (est) | CVI Workshop (est) |
| Q2, 2020 | Apr  May  Jun | WSB (est) |  |
| Q3, 2020 | Jul  Aug  Sep |  |  |
| Q4, 2020 | Oct  Nov  Dec | WSB (est) |  |
| 2021 |  |  |  |
| 2022 |  |  | Ministerial conference |

Appendix 1: TOR Expert Group Climate Change Adaptation (EG-C)

Terms of Reference

Background

Adaptation to the possible impacts of climate change is a major challenge for the Trilateral Wadden Sea Cooperation (TWSC). Focus of the TWSC is to enhance the resilience of the Wadden Sea ecosystem to impacts of climate change. In fulfilling its mandate, this group will duly take into account and seek to promote the achievement of the United Nations Sustainable Development Goals (SDG) insofar as these are relevant to its work. EG-C reports to CWSS, but communicates with relevant TGs with regard to reporting, evaluations and recommendations. In addition, the group may report to the WSB once yearly.

Objective

Coordinated trilateral policies for enhancing the resilience of the Wadden Sea ecosystem to impacts of climate change.

Tasks

1. Monitor and stimulate the implementation of the trilateral climate change adaptation strategy (CCAS) and update the priorities contained therein where needed;
2. Stimulate and support exchange of knowledge on effects of climate change with respect to morphology and biology of the Wadden Sea and possible adaptation measures;
3. Contribute/review relevant chapters of the Quality Status Report (if applicable);
4. Advise/support implementation of the trilateral research agenda and prioritization of research (with respect to the topic of climate change adaptation and required system knowledge);
5. Implement and/or coordinate any other activities and projects assigned by the Wadden Sea Board.

Deliverables

1. Updated list of actions for implementation of the trilateral CCAS
2. Recommendations for amending and initiating trilateral policies and, as appropriate, pilot projects for climate change adaptation
3. Chapters of the Quality Status Report (if applicable)
4. Maintenance of the trilateral knowledge platform
5. Trilateral Workshop/symposia on climate change adaptation on relevant topics.

Composition/Membership

* Chairperson plus
* 1-2 members per region (DK, SH, HH, LS, NL), representing coastal defence/morphology, climate change adaptation and biology, ecology and nature conservation, extended by representatives from NGOs and Wadden Sea Forum.

Time schedule

Permanent

Appendix 2: Members Expert Group Climate Change Adaptation (EG-C)

Members of the group

|  |  |
| --- | --- |
| Denmark | |
| **Mr Klaus Bertram Fries**  Varde Municipality | **Mr Thomas Larsen**  Ministry of Environment and Food Danish Coastal Authority |
| Germany (Hamburg, Lower Saxony, Schleswig-Holstein) | |
| **Mr Jacobus Hofstede**  Ministry of Energy, Agriculture, the Environment, Nature and Digitalization Schleswig-Holstein | **Mr Andreas Wurpts**  Coastal Research Station Norderney |
| **Mr Claus von Hoerschelmann**  Schleswig-Holstein Agency for Coastal Defense, National Park and Marine Conservation  National Park Authority Schleswig-Holstein |  |
| Netherlands | |
| **Mr Saa Kabuta**  Ministry of Infrastructure and Water Management | **Mr Robert Zijlstra (Chair)**  Ministry of Infrastructure and the Environment |
| Participants from advisors to WSB and external experts | |
| **Mr Jannes Fröhlich**  WWF, Wadden Sea Office | **Mr Manfred Vollmer**  Wadden Sea Forum |
| Secretary | |
| **Ms Julia A. Busch (Secretary)**  Common Wadden Sea Secretariat |  |

Appendix 3: Estimated capacity EG-C

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Planned activities  (please list each activity individually)** | **Actors involved  (please list individually by activity)** | **Estimated work hours by activity and CWSS** | **Timeline by  activity** | **Covered by  CWSS core budget** | **Contingent on coverage through supplementary CWSS or external budget** |
| Group meetings and overall coordination | CWSS, TG-C | 350 | 2018-2022 | Yes, work hours, meeting facility and catering | 0 |
| Coordination and supervision of the continued implementation of the trilateral climate change adaptation strategy, including updated list of actions for implementation. | CWSS, TG-C | 180 | 2018-2021 | Yes, work hours | 0 |
| Integration of additional aspects of climate change (e.g., ecology) | CWSS, TG-C | 180 | 2018-2022 | Yes, work hours | 0 |
| Preparation of modelling workshop to exchange knowledge | CWSS, TG-C | 10 | 2018 | Yes, work hours | TBD, covered by RWS |
| Preparation of workshop, e.g., on sedimentation (BwN) | CWSS, TG-C, BwN | 60 | TBD | Yes, work hours | 2500,00 EUR: BwN project budget |
| Adaptation and publishing of information platform (BwN) | CWSS, TG-C, BwN | 30 | Jan – Mar 2019 | Yes, work hours | 1500,00 EUR: BwN project budget |
| Exchange with related TWSC groups | CWSS, TG-C | 120 | 2018-2022 | Yes, work hours | 0 |
| Buffer for other activities and projects assigned by the Board |  | 150 | 2018-2022 | Yes, work hours | 0 |
| **Total (four years)** |  | **1080** |  |  |  |

Appendix 4: DRAFT TWSC WORKPLAN 2019-22 ELABORATED DURING THE REVIEW PROCESS

Explanatory Note for the table be below:

The colours are indicating the current status of the particular resources (staff/funding) available to fulfil the tasks:

Green: Resources agreed and available

Yellow: Resources partly agreed or envisaged

Red: Resources not yet resolved

| L**euwarden Declaration** | **Activities / Deliverables**  **2019** | **Activities / Deliverables**  **2020** | **Activities / Deliverables**  **2021** | **Activities / Deliverables**  **2022** | **TGC**  **relevance** |
| --- | --- | --- | --- | --- | --- |
| 1. Develop trilateral Wadden Sea World Heritage partnership schemes | Transnational analysis of existing partnership programmes |  |  |  |  |
|  |  |  |  |  |
| Establish, adapt or extend existing  partnership programmes |  |  |  |  |
|  |  |  |  |  |
| Develop Framework of a transnational partnership scheme |  |  |  |  |
|  |  |  |  |  |
|  | | | | | |
| 2. Further develop the Partnership Hub as a part of the future Partnership Centre together with the envisaged partner organisations and in partner networks across the Wadden Sea Region (…) and conduct a pilot phase to be concluded by an evaluation in 2019 | Conclusion of at least two Partnership Agreement | Development of the Partnership Hub | Mid-term Evaluation | At least five long-term Partnership Agreements in place | X |
|  |  |  |  |
| Finalization of evaluation of pilot phase |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  | | | | | |
| 3. Develop a single integrated management plan for the entire transboundary World Heritage property | Selection key priority issues | Development draft SIMP | Draft SIMP: consultation phase and pilot implementation | Adoption Final SIMP and submission to UNESCO | X |
|  |  |  |  |  |
|  | | | | | |
| 4. Oversee the implementation of the Sustainable Tourism Strategy, including by updating and implementing the related action plan | STS Action Plan | Joint WH Marketing approach | Brochure on added values of sustainable tourism | Final Action Plan |  |
|  |  |  |  |  |
| Analysis of market trends |  |  |  |  |
|  |  |  |  |  |
| Concept transnational visitor survey | Transnational visitor survey |  |  |  |
|  |  |  |  |  |
| 5. Continue and further consolidate the work on the Flyway Vision in the framework of the Wadden Sea Flyway Initiative with the relevant governmental and non-governmental organisations and extend the cooperation in the context of the Wadden Sea Flyway Initiative, especially with regard to the Arctic, continue monitoring along the entire flyway, continue specific capacity building and increase the activation of partners | Integral Flyway Assessment Report 2017 |  |  |  |  |
|  |  |  |  |  |
| Arctic Cooperation | Arctic Cooperation | Arctic Cooperation | Arctic Cooperation |  |
|  |  |  |  |  |
| Monitoring key-sites along Flyway | Monitoring key-sites along Flyway | Total count Monitoring (30 states) | Integral Flyway assessment report |  |
|  |  |  |  |  |
| Capacity Building Project | Capacity Building Project | Capacity Building Project | Capacity Building Project |  |
|  |  |  |  |  |
|  |  |  | Monitoring of key-sites |  |
|  |  |  |  |  |
|  | | | | | |
| 6. Enhance the awareness of the young generation of the Wadden Sea Region as a shared heritage through the development of appropriate educational activities and material |  |  | Youth Conference |  | X |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  | | | | | |
| 7. Support the work of the International Wadden Sea School and the related network of people and visitor centres active in environmental education, taking into account the results of the recent evaluation process | IWSS | IWSS | IWSS | IWSS |  |
|  |  |  |  |  |
| Trilateral Education Work Programme |  |  |  |  |
|  |  |  |  |  |
|  | | | | | |
| 9. Efficiently implement the Wadden Sea World Heritage Strategy (2014 - 2020) in close cooperation with relevant partners | Roadmap | Update of WH Strategy |  | Update SoC Report |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  | | | | | |
| 10. Continue cooperation with the UNESCO World Heritage Marine and Sustainable Tourism Programmes within a framework of defined targets | Marine litter report |  |  |  |  |
|  |  |  |  |  |
| Pilot project for a Visitor Management Assessment Tool | Pilot project for a Visitor Management Assessment Tool |  |  |  |
|  |  |  |  |  |
| ITB | ITB | ITB | ITB |  |
|  |  |  |  |  |
|  | | | | | |
| 11. Review the Trilateral Communications Strategy and to prepare a communications programme for the period from 2018 – 2022 | Review + Programme | Review + Programme |  |  |  |
|  |  |  |  |  |
| Social media Strategy |  |  |  |  |
|  |  |  |  |  |
| New WH website (Creation and Launch) |  |  |  |  |
|  |  |  |  |  |
| 10 years WH anniversary activities (i.a. bicycle tour and event in WHV) |  |  |  |  |
|  |  |  |  |  |
|  | | | | | |
| 12. Oversee the further implementation of the **Action Plan for Breeding Birds** and support an exchange of experiences of national and regional activities, including a potential further development, and undertake an evaluation in time for the next Trilateral Governmental Conference |  |  | Evaluation and update of BB Action Plan | Adoption of update of BB Action Plan | X |
|  |  |  |  |  |
| Guidelines on predation management (EG-MB/BB) | Management guidelines on habitat restauration | Breeding bird monitoring guidelines (update) |  |  |
|  |  |  |  |  |
| Breeding bird trend report |  | Breeding bird trend report |  |  |
|  |  |  |  |  |
| Work programme  2019-22 |  | Workshop on protection of habitats and zoning rules; management guidelines |  |  |
|  |
|  |
|  |  |  |  |
| Joint workshop EG BB and EG SMD on natural habitat restoration |  |  |  |  |
|  |  |  |  |  |
|  | | | | | |
| 13. Further develop and contribute to implementing the **SWIMWAY** Vision as an integrated approach to achieving the Trilateral Fish Targets by investigating, monitoring, managing and communicating topics concerning the ecology of fish of the Wadden Sea Area | Fish Conference | First projects |  |  |  |
|  |  |  |  |  |
| ToR and work programme for EG Fish | Installation EG Fish |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  | | | | | |
| 14. Work intensively on **cooperation at the operational management level** and secure adequate wardening and management across the whole Wadden Sea Area | Management Workshop |  | Management Workshop |  |  |
|  |  |  |  |  |
| Wardening Workshop |  | Wardening Workshop |  |  |
|  |  |  |  |  |
|  | | | | | |
| 15. Reaffirm the rules on taking and releasing of seals in accordance with Article IV of the Agreement on the Conservation of Seals in the Wadden Sea and adopt the updated **Seal Management Plan** 2018-2022, which also takes into account the management of grey seals |  |  | SMP evaluation and update | Adoption of updated SMP | X |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |  |
| 16. duly take account of the fact that **harbour porpoises** are present in the Wadden Sea | Harbour porpoise Workshop |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |  |
| 17. Undertake further steps towards a **Trilateral Management and Action Plan Alien Species** (MAPAS), which should include relevant steps for public awareness and cooperation on early warning and measures, integrating a related monitoring programme, based on the national data underpinning the Trilateral Assessment and Monitoring Programme, including the installation of the network platform at the Common Wadden Sea Secretariat | Adoption Final MAPAS | Platform Alien Species |  |  |  |
|  |  |  |  |  |
| ToR and Workplan for EG Alien Species | Installation of EG AS |  |  |  |
|  |  |  |  |  |
| Further development Communication  Plan | Adoption of Communication Plan |  |  |  |
|  |  |  |  |  |
|  | | | | | |
| 18. Oversee the further implementation of the Trilateral Monitoring and Assessment Programme Strategy | TMAP review and  workplan 2019-2022 | TMAP Review | TMAP Strategy Proposal & Handbook | Adoption of updated TMAP Strategy | X |
|  |  |  |  |  |
| Work programme 2019-2022 |  |  |  |  |
|  |  |  |  |  |
| Workshop on TMAP-relevant issues (update of parameters) | Workshop on TMAP-relevant issues | Workshop on TMAP-relevant issues | Workshop on TMAP-relevant issues |  |
|  |  |  |  |  |
|  | | | | | |
| 19. Increase the value of the Trilateral Monitoring and Assessment Programme to users and to a wider range of stakeholders, including the TGs, WGs, EGs:  availability of data and presentation of information resulting from those data | Workshop on trilateral data strategy | Trilateral data strategy | Proposal for presentation and access options of TMAP products (also with regard to QSR) | TMAP user interface | X |
|  |  |  |  |  |  |
|  | | | | | |
| 20. Produce updates of the online Wadden Sea Quality Status Report and deliver a comprehensive **synthesis report** in time for the next Trilateral Governmental Conference | QSR Synthesis (2018) |  | QSR Synthesis (2021) |  | X |
|  |  |  |  |  |
| QSR Thematic Reports updates | QSR Thematic Reports updates |  |  |  |
|  |  |  |  |  |
|  | | | | | |
| 21. Further develop steps for the **sustainability of fisheries** in the Wadden Sea Area on the trilateral level, in close cooperation with responsible authorities and relevant stakeholders and initiatives (e.g. certification procedures), within the Framework for Sustainable Fisheries, taking into account both the importance of the ecosystem service of providing regional sea food in this respect and the integrity of the World Heritage Site |  |  |  | SIMP chapter on sustainable fisheries |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  | | | | | |
| 22. Substantially reduce the amount of marine litter in the Wadden Sea by the year 2030 |  |  |  |  |  |
|  |  |  |  |  |
|  | | | | | |
| 23. Make use of all relevant existing monitoring and action programmes, as well as existing action plans, to gain and exchange adequate additional knowledge on sources and impacts of marine litter on the Wadden Sea ecosystem and stimulate and support appropriate measures |  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  | | | | | |
| 24. Stimulate initiatives to reduce light emissions, such as measures to avoid unnecessary lighting, the exchange of best practices, technological innovations or monitoring, whilst CWSS:ensuring safety standards prescribed by pertinent legislation |  | Consideration within PHub development (to be checked) |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  | | | | | |
| 25. Support the global and national efforts to mitigate climate change at the regional level |  |  |  |  |  |
|  |  |  |  |  |
|  | | | | | |
| 26. Develop and support promising initiatives for climate change mitigation taken at the local and regional levels by authorities, organisations, companies and inhabitants, inter alia by exchanging information and best practices, linking various initiatives and stimulating pilot projects, including the CO2 reduction ambition of the Wadden Sea Region |  | Consideration within PHub Development (to be checked) |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  | | | | | |
| 27. Continue implementing the Trilateral Climate Change Adaptation Strategy and update the priorities contained therein where needed | Climate Vulnerability Index (CVI) |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  | | | | | |
| 28. Determine together with scientific partners which investigations are needed to better understand the impacts of climate change on the Wadden Sea ecosystem, for example on primary production and alien species, and to be prepared to enhance the level of adequate management to safeguard the Outstanding Universal Value of the Wadden Sea | Updated list of actions (CCAS) |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  | | | | | |
| 29. Review and monitor the impacts of renewable energy production and energy transportation on the Wadden Sea ecosystem and consider measures to avoid or mitigate possible negative impacts by looking for best environmental practices also with the aim of developing, for example, related common principles to evaluate the impact of high-voltage power cables in the Wadden Sea Area in close consultation with the responsible bodies and stakeholders |  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| 31. Consider the different approaches of the three countries in order to identify the most sustainable modes of transport for ensuring nature-friendly site-specific connections to the islands in the future |  | Consideration within PHub Development (to be checked) |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  | | | | | |
| 36. continue to strengthen its cooperation with the scientific community by installing a trilateral **programming committee** in order to establish a joint programme on research issues relevant to the Wadden Sea World Heritage, taking into account the **Trilateral Research Agenda** and encourage the scientific community to develop a trilateral research platform and to promote pilot studies on nature restoration | Installation of TRA Programme Committee |  |  | Science & Research projects reflecting the four thematic lines of the TRA |  |
|  |  |  |  | X |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  | | | | | |
| 42. Review, in time for the next Trilateral Governmental conference, the progress made on the items described in the Declaration |  |  | Policy Assessment Report (PAR) |  | X |
|  |  |  |  |  |
|  |  |  |  |  |
|  | | | | | |
| 43. Hold the next Trilateral Governmental Conference on the Protection of the Wadden Sea and the 14th Trilateral Wadden Sea Governmental Council meeting in 2022 |  |  | Establish MCD Drafting Group | Trilateral Governmental Conference (TGC) | X |
|  |  |  |  |  |
|  |  | Draft MCD for national consultation |  |  |
|  |  |  |  |  |
|  | | | | | |
| 44. Hold the 15th International Scientific Wadden Sea Symposium in Germany prior to the 14th Trilateral Wadden Sea Governmental Council |  | Preparation of International Scientific Wadden Sea Symposium (ISWSS) | International Scientific Wadden Sea Symposium (ISWSS) |  | X |
|  |  |  |  |  |
|  | | | | | |
| XX. Wadden Sea Day | WSD (CWSS) | WSD (LS) | WSD (CWSS) | WSD (LS) |  |
|  |  |  |  |  |