

# Ramsar National Report to COP13

## Section 1: Institutional Information

**Important note:** the responses below will be considered by the Ramsar Secretariat as the definitive list of your focal points, and will be used to update the information it holds. The Secretariat's current information about your focal points is available at <http://www.ramsar.org/search-contact>.

### Name of Contracting Party

The completed National Report **must be accompanied by a letter** in the name of the Head of Administrative Authority, confirming that this is the Contracting Party's official submission of its COP13 National Report. It can be attached to this question using the "Manage documents" function (blue symbol below)

> LEBANON

You have attached the following documents to this answer.

[Lebanon.jpg](#)

## Designated Ramsar Administrative Authority

### Name of Administrative Authority

> Ministry of Environment

### Head of Administrative Authority - name and title

> HE Minister of Environment, Mr. Tarek El Khatib

### Mailing address

> Ministry of Environment, Lazarieh Center, 8th Floor, Block A-4 New, P.O.Box: 11/2727; Beirut-Lebanon

### Telephone/Fax

> +961 1 976555 - ext:405 / Fax: +961 1 976 535

### Email

> C.Saadeh@moe.gov.lb, a.yacoub@moe.gov.lb

## Designated National Focal Point for Ramsar Convention Matters

### Name and title

> Samer Al Hachem

### Mailing address

> Department of Natural Resources Protection- Service of Natural Resources  
Ministry of Environment, Lazarieh Center, 8th Floor, Block A-4 New, P.O.Box: 11/2727; Beirut-Lebanon

### Telephone/Fax

> +961 1 976555 - ext:504 / Fax: +961 1 976 535

### Email

> s.alhachem@moe.gov.lb

## **Section 2: General summary of national implementation progress and challenges**

In your country, in the past triennium (i.e., since COP12 reporting)

### **A. What have been the five most successful aspects of implementation of the Convention?**

- 1)
  - › 1) Integration of the wetlands concept as an integral part into the National Water Sector Strategy, IWRM-ICZM process and River Basin Management Plans.
- 2)
  - › Development of research related to wetlands through the integration of wetlands concept and definitions into many academic programs especially into courses related to environmental geosciences, watersheds management and IWRM/ICZM in 2 universities in Lebanon as a start.
- 3)
  - › Review of the RIS of existing Ramsar sites in Lebanon, in addition to starting the update of all related data in order to be submitted as soon as possible to the Ramsar Secretariat.
- 4)
  - › Review and finalisation of the RIS of ANJAR-KFARZABAD inland wetland as a potential new Ramsar site to be submitted soon to the Ramsar Secretariat for official designation.
- 5)
  - › Field visit, preparation & finalisation of the RIS of QARAOUN DAM LAKE (Man-made) as a potential new Ramsar site to be submitted soon to the Ramsar Secretariat for official designation.

### **B. What have been the five greatest difficulties in implementing the Convention?**

- 1)
  - › Lack in staff and specialists in order to have a specialized unit working on the implementation of the Ramsar Convention and related issues as IWRM & ICZM.
- 2)
  - › Lack in budget, logistics and equipment which made difficult the continuous visiting, monitoring, surveying and managing of the Ramsar sites in order to have a continuous update of the RIS and related geodatabase of each of the existing sites in Lebanon.
- 3)
  - › insufficient implementation of the existing management plans in the Ramsar sites.
- 4)
  - › Lack in previous baseline data related to the existing Ramsar sites which made the present RIS related to each site weak and incomplete.

### **C. What are the five priorities for future implementation of the Convention?**

- 1)
  - › 1) Membership in the standing Committee for Ramsar Convention and Creating the Ramsar National Committee and a related research unit in cooperation with other governmental agencies, universities and research institutes in Lebanon and abroad.
  - 2) Promote the cooperation between Ramsar Convention and Barcelona Convention specifically for the implementation of ICZM Protocol in the three coastal Ramsar sites.
- 2)
  - › Working on the update of the RISs and the management plans and their implementation for each of the 4 Ramsar sites in Lebanon.
- 3)
  - › Creating a complete geodatabase and dynamic maps for all the existing sites and their integration into a GIS-Based system.
- 4)
  - › Elaboration of a National Wetlands Inventory.

5)

> Nomination and designation of two new Ramsar sites ( Anjar Kfarzabad site - Qauroun lake site) and Surveying of 6 new sites ( oyoun es samak - oyoun orghoch - Afqa/Roueiss sub-basin - Jeita kasrtic system - El Assi watershed [Dardara waterfalls site] - Mansouri Beach) and creating the geodatabase of each of them in order to submit them gradually to the Ramsar Secretariat for official designation.

D. Do you (AA) have any recommendations concerning implementation assistance from the Ramsar Secretariat?

- > 1- The support of the Secretariat for the organisation of basic and advanced trainings and workshops which allow more interaction between specialists and implementing agencies regionally and internationally.
- 2- The support of the Secretariat for the elaboration of the national wetlands inventory.
- 3- More financial support for the participation of Lebanon to the Ramsar Convention events.

E. Do you (AA) have any recommendations concerning implementation assistance from the Convention's International Organisation Partners (IOPs)? (including ongoing partnerships and partnerships to develop)

- > 1- More financial support for the participation of Lebanon to the Ramsar Convention events.

F. How can national implementation of the Ramsar Convention be better linked with implementation of other multilateral environmental agreements (MEAs), especially those in the 'biodiversity cluster' (Convention on Biological Diversity (CBD), Convention on Migratory Species (CMS), Convention on International Trade in Endangered Species (CITES), World Heritage Convention (WHC), and United Nations Convention to Combat Desertification (UNCCD) and the United Nations Framework Convention on Climate Change (UNFCCC)?

> Through the close cooperation between the national focal points of each convention and especially the cooperation and regular meetings between deifferent national committees in order to coordinate common issues. This beeing planned to be executed starting mid 2018.

G. How can implementation of the Ramsar Convention be better linked with the implementation of water policy/strategy and other strategies in the country (e.g., on sustainable development, energy, extractive industries, poverty reduction, sanitation, food security, biodiversity)?

> The first step in linking the implementation of the Ramsar Convention in Lebanon with other policies/strategies has started with the implementation of water policy/strategy through the Strategic Environmental Assessment of the National Water Sector Strategy that is being reviewed in details by a group of experts from the Ministry of Environment and the Ministry of Energy and Water. In addition, all the other policies and strategies will be linked to the Ramsar Convention through a planned program targeting each of them in details

## Section 3: Indicator questions and further implementation information

### Goal 1. Addressing the drivers of wetland loss and degradation

#### Target 1

Wetland benefits are featured in national/ local policy strategies and plans relating to key sectors such as water, energy, mining, agriculture, tourism, urban development, infrastructure, industry, forestry, aquaculture, fisheries at the national and local level.

1.1 Have wetland issues/benefits been incorporated into other national strategies and planning processes, including: {1.3.2} {1.3.3} KRA 1.3.i

Please select only one per square.

a) National Policy or strategy for wetland management	<input type="checkbox"/> A=Yes <input type="checkbox"/> B=No <input type="checkbox"/> C=Partially <input checked="" type="checkbox"/> D=Planned <input type="checkbox"/> X=Unknown <input type="checkbox"/> Y=Not Relevant
b) Poverty eradication strategies	<input type="checkbox"/> A=Yes <input type="checkbox"/> B=No <input type="checkbox"/> C=Partially <input checked="" type="checkbox"/> D=Planned <input type="checkbox"/> X=Unknown <input type="checkbox"/> Y=Not Relevant
c) Water resource management and water efficiency plans	<input type="checkbox"/> A=Yes <input type="checkbox"/> B=No <input type="checkbox"/> C=Partially <input checked="" type="checkbox"/> D=Planned <input type="checkbox"/> X=Unknown <input type="checkbox"/> Y=Not Relevant
d) Coastal and marine resource management plans	<input type="checkbox"/> A=Yes <input type="checkbox"/> B=No <input type="checkbox"/> C=Partially <input checked="" type="checkbox"/> D=Planned <input type="checkbox"/> X=Unknown <input type="checkbox"/> Y=Not Relevant
e) Integrated Coastal Zone Management Plan	<input type="checkbox"/> A=Yes <input type="checkbox"/> B=No <input type="checkbox"/> C=Partially <input checked="" type="checkbox"/> D=Planned <input type="checkbox"/> X=Unknown <input type="checkbox"/> Y=Not Relevant
f) National forest programmes	<input type="checkbox"/> A=Yes <input type="checkbox"/> B=No <input checked="" type="checkbox"/> C=Partially <input type="checkbox"/> D=Planned <input type="checkbox"/> X=Unknown <input type="checkbox"/> Y=Not Relevant
g) National policies or measures on agriculture	<input type="checkbox"/> A=Yes <input type="checkbox"/> B=No <input type="checkbox"/> C=Partially <input checked="" type="checkbox"/> D=Planned <input type="checkbox"/> X=Unknown <input type="checkbox"/> Y=Not Relevant
h) National Biodiversity Strategy and Action Plans drawn up under the CBD	<input checked="" type="checkbox"/> A=Yes <input type="checkbox"/> B=No <input type="checkbox"/> C=Partially <input type="checkbox"/> D=Planned <input type="checkbox"/> X=Unknown <input type="checkbox"/> Y=Not Relevant
i) National policies on energy and mining	<input type="checkbox"/> A=Yes <input type="checkbox"/> B=No <input type="checkbox"/> C=Partially <input type="checkbox"/> D=Planned <input checked="" type="checkbox"/> X=Unknown <input type="checkbox"/> Y=Not Relevant

j) National policies on tourism	<input type="checkbox"/> A=Yes <input type="checkbox"/> B=No <input type="checkbox"/> C=Partially <input checked="" type="checkbox"/> D=Planned <input type="checkbox"/> X=Unknown <input type="checkbox"/> Y=Not Relevant
k) National policies on urban development	<input type="checkbox"/> A=Yes <input checked="" type="checkbox"/> B=No <input type="checkbox"/> C=Partially <input type="checkbox"/> D=Planned <input type="checkbox"/> X=Unknown <input type="checkbox"/> Y=Not Relevant
l) National policies on infrastructure	<input type="checkbox"/> A=Yes <input checked="" type="checkbox"/> B=No <input type="checkbox"/> C=Partially <input type="checkbox"/> D=Planned <input type="checkbox"/> X=Unknown <input type="checkbox"/> Y=Not Relevant
m) National policies on industry	<input type="checkbox"/> A=Yes <input checked="" type="checkbox"/> B=No <input type="checkbox"/> C=Partially <input type="checkbox"/> D=Planned <input type="checkbox"/> X=Unknown <input type="checkbox"/> Y=Not Relevant
n) National policies on aquaculture and fisheries {1.3.3} KRA 1.3.i	<input type="checkbox"/> A=Yes <input type="checkbox"/> B=No <input checked="" type="checkbox"/> C=Partially <input type="checkbox"/> D=Planned <input type="checkbox"/> X=Unknown <input type="checkbox"/> Y=Not Relevant
o) National plans of actions (NPAs) for pollution control and management	<input type="checkbox"/> A=Yes <input type="checkbox"/> B=No <input checked="" type="checkbox"/> C=Partially <input type="checkbox"/> D=Planned <input type="checkbox"/> X=Unknown <input type="checkbox"/> Y=Not Relevant
p) National policies on wastewater management and water quality	<input type="checkbox"/> A=Yes <input type="checkbox"/> B=No <input checked="" type="checkbox"/> C=Partially <input type="checkbox"/> D=Planned <input type="checkbox"/> X=Unknown <input type="checkbox"/> Y=Not Relevant

### 1.1 Additional information

> All the above mentioned strategies and processes are being in general taken into consideration, and some more precise and specific applications are being planned gradually to incorporate wetlands issues into all the above mentioned national strategies and planning processes.

## Target 2

Water use respects wetland ecosystem needs for them to fulfil their functions and provide services at the appropriate scale inter alia at the basin level or along a coastal zone

2.1 Has the quantity and quality of water available to, and required by, wetlands been assessed to support the implementation of the Guidelines for the allocation and management of water for maintaining the ecological functions of wetlands (Resolution VIII.1, VIII.2) ? 1.24.

D=Planned

2.2 Have assessments of environmental flow been undertaken in relation to mitigation of impacts on the ecological character of wetlands (Action r3.4.iv)

B=No

2.3 Have Ramsar Sites improved the sustainability of water use in the context of ecosystem requirements?

A=Yes

2.4 Have the Guidelines for allocation and management of water for maintaining ecological functions of wetlands (Resolutions VIII.1 and XII.12 ) been used/applied in decision-making processes. (Action 3.4.6.)

D=Planned

2.5 Have projects that promote and demonstrate good practice in water allocation and management for maintaining the ecological functions of wetlands been developed (Action r3.4.ix. )

D=Planned

2.6 How many household/municipalities are linked to sewage system? SDG Target 6.3.1.

X=Unknown

2.7 What is the percentage of sewerage coverage in the country? SDG Target 6.3.1.

E=Exact number (percentage)

> 60%

2.8 What is the percentage of users of septic tank/pit latrine? SDG Target 6.3.1.

X=Unknown

2.9 Does the country use constructed wetlands/ponds as wastewater treatment technology? SDG Target 6.3.1.

B=No

2.10 How do the country use constructed wetlands/ponds as wastewater treatment technology perform? SDG Target 6.3.1.

Y=Not Relevant

2.11 How many centralised wastewater treatment plants exist at national level? SDG Target 6.3.1.

X=Unknown

2.12 How is the functional status of the wastewater treatment plants? SDG Target 6.3.1.

C=Functioning

2.12 Additional Information

> It is functioning at 8%

2.13 The percentage of decentralized wastewater treatment technology, including constructed wetlands/ponds is? SDG Target 6.3.1.

X=Unknown

2.14 Is there a wastewater reuse system? SDG Target 6.3.1.

X=Unknown

2.15 What Is the purpose of the wastewater reuse system? SDG Target 6.3.1.

R=Agriculture

### **Target 3**

Public and private sectors have increased their efforts to apply guidelines and good practices for the wise use of water and wetlands. {1.10}

3.1 Is the private sector encouraged to apply the Ramsar wise use principle and guidance (Ramsar handbooks for the wise use of wetlands) in its activities and investments concerning wetlands? {1.10.1} KRA 1.10.i

D=Planned

3.1 Additional Information

> This has been partially developed through the SEA of the National Water Sector Strategy (NWSS).

3.2 Has the private sector undertaken activities or actions for the conservation, wise use and management of {1.10.2} KRA 1.10.ii

Please select only one per square.

a) Ramsar Sites	<input checked="" type="checkbox"/> A=Yes <input type="checkbox"/> B=No <input type="checkbox"/> C=Partially <input type="checkbox"/> D=Planned <input type="checkbox"/> X=Unknown <input type="checkbox"/> Y=Not Relevant
b) Wetlands in general	<input checked="" type="checkbox"/> A=Yes <input type="checkbox"/> B=No <input type="checkbox"/> C=Partially <input type="checkbox"/> D=Planned <input type="checkbox"/> X=Unknown <input type="checkbox"/> Y=Not Relevant

3.3 Have actions been taken to implement incentive measures which encourage the conservation and wise use of wetlands? {1.11.1} KRA 1.11.i

C=Partially

#### 3.3 Additional information

> Many National workshops will be planned and organized in cooperation with governmental and non-governmental and academic agencies and institutions.

3.4 Have actions been taken to remove perverse incentive measures which discourage conservation and wise use of wetlands? {1.11.2} KRA 1.11.i

D=Planned

### Target 4

Invasive alien species and pathways of introduction and expansion are identified and prioritized, priority invasive alien species are controlled or eradicated, and management responses are prepared and implemented to prevent their introduction and establishment.

4.1 Does your country have a comprehensive national inventory of invasive alien species that currently or potentially impact the ecological character of wetlands? {1.9.1} KRA 1.9.i

D=Planned

#### 4.1 Additional information

> Especially in the coastal Ramsar sites

4.2 Have national policies or guidelines on invasive species control and management been established or reviewed for wetlands? {1.9.2} KRA 1.9.iii

D=Planned

4.3 How many invasive species are being controlled through management actions.

X=Unknown

4.4 Have the effectiveness of wetland invasive alien species control programmes been assessed?

X=Unknown

## Goal 2. Effectively conserving and managing the Ramsar Site network

### Target 5

The ecological character of Ramsar Sites is maintained or restored through effective, planning and integrated management {2.1.}

5.1 Have a national strategy and priorities been established for the further designation of Ramsar Sites, using the Strategic Framework for the Ramsar List? {2.1.1} KRA 2.1.i

D=Planned

#### 5.1 Additional information

> In addition of the 2 new potential sites (Qaraoun Lake and kfarzabad/anjar site) for designation, the Ministry of Environment is planning to designate the following sites:

- 1) Oyoum es Samak : fresh water springs and hydrological system, located in northern Lebanon in a mountainous area.
- 2) Oyoum Orghoch: fresh water springs and hydrological system, located in northern Lebanon in a

mountainous area.

3) Jeita Karstic System: Cave and Karst system located in Central Lebanon.

4) Afqa/Roueiss Hydrosystem: 2 big springs of water with a rich ecosystem located in the Central Lebanese mountainous region.

5) Dardara waterfalls: waterfalls located on Assi River, in Bekaa region in Lebanon.

6) Mansouri Beach: The last turtles natural nesting beach in Lebanon, Located in South-Lebanon to the south of Tyre Coast Nature Reserve.

5.2 Are the Ramsar Sites Information Service and its tools being used in national identification of further Ramsar Sites to designate? {2.2.1} KRA 2.2.ii

A=Yes

5.3 How many Ramsar Sites have an effective, implemented management plan? {2.4.1} KRA 2.4.i

E=Exact number (sites)

> 3 sites

5.4 For how many of the Ramsar Sites with a management plan is the plan being implemented? {2.4.2} KRA 2.4.i

E=Exact number (sites)

> 2 sites

5.5 For how many Ramsar Sites is effective management planning currently being implemented (outside of formal management plans ? {2.4.3} KRA 2.4.i

E=Exact number (sites)

> 3 sites

5.3 - 5.5 Additional information

> It is important to mention that Lebanon has currently 4 Ramsar sites (Tyre, Ammiq, Ras ech Chaqaa, Palm islands). The first phase will be the implementation of the management plan for the existing sites and in a second phase the work will focus on the establishment of a management plan for each of the proposed future sites with a complete GIS-based system, detailed maps and spatial data for all the sites

5.6 Have all Ramsar sites been assessed regarding the effectiveness of their management (through formal management plans where they exist or otherwise through existing actions for appropriate wetland management ? {1.6.2} KRA 1.6.ii

D=Planned

5.7 How many Ramsar Sites have a cross-sectoral management committee? {2.4.4} {2.4.6} KRA 2.4.iv

E=Exact number (sites)

> 3 sites

5.7 Additional information

If at least 1 site, please give the name and official number of the site or sites

> 3 sites

- Tyre Beach Nature Reserve

- Plam Island Nature Reserve

- Shouf Biosphere Reserve which includes Ammiq wetland

5.8 For how many Ramsar Sites has an ecological character description been prepared (see Resolution X.15)? {2.4.5}{2.4.7} KRA 2.4.v

E=Exact number (sites)

> 3 sites

5.8 Additional information

If at least 1 site, please give the name and official number of the site or sites

> - Tyre Beach Nature Reserve

- Plam Island Nature Reserve

- Shouf Biosphere Reserve which includes Ammiq wetland

5.9 Have any assessments of the effectiveness of Ramsar Site management been made? {2.5.1} KRA 2.5.i

B=No



## Target 7

Sites that are at risk of change of ecological character have threats addressed {2.6.}.

7.1 Are mechanisms in place for the Administrative Authority to be informed of negative human-induced changes or likely changes in the ecological character of Ramsar Sites, pursuant to Article 3.2? {2.6.1} KRA 2.6.i

D=Planned

7.2 Have all cases of negative human-induced change or likely change in the ecological character of Ramsar Sites been reported to the Ramsar Secretariat, pursuant to Article 3.2? {2.6.2} KRA 2.6.i

O=No Negative Change

7.3 If applicable, have actions been taken to address the issues for which Ramsar Sites have been listed on the Montreux Record, including requesting a Ramsar Advisory Mission? {2.6.3} KRA 2.6.ii

Z=Not Applicable

## Goal 3. Wisely Using All Wetlands

### Target 8

National wetland inventories have been either initiated, completed or updated and disseminated and used for promoting the conservation and effective management of all wetlands {1.1.1} KRA 1.1.i

8.1 Does your country have a complete National Wetland Inventory? {1.1.1} KRA 1.1.i

D=Planned

#### 8.1 Additional information

> The Ministry of Environment is planning for a cooperation with national institutions and organisations in order to build a team of experts in several fields related to wetlands and IWRM to work on a national wetland inventory. In addition to the National wetland inventory, the work is focusing on having a GIS-Based system for each existing Ramsar site and for every futur site with a complete set of digital maps, satellite images, numerical models ...

8.2 Has your country updated a National Wetland Inventory in the last decade?

B=No

8.3 Is wetland inventory data and information maintained? {1.1.2} KRA 1.1.ii

C=Partially

8.4 Is wetland inventory data and information made accessible to all stakeholders? {1.1.2} KRA 1.1.ii

A=Yes

#### 8.4 Additional information

> Where wetland data is available

8.5 Has the condition\* of wetlands in your country, overall, changed during the last triennium? {1.1.3}

Please describe on the sources of the information on which your answer is based in the free- text box below. If there is a difference between inland and coastal wetland situations, please describe. If you are able to, please describe the principal driver(s) of the change(s).

\* 'Condition' corresponds to ecological character, as defined by the Convention

Please select only one per square.

a) Ramsar Sites	<input type="checkbox"/> N=Status Deteriorated <input checked="" type="checkbox"/> O=No Change <input type="checkbox"/> P=Status Improved
b) Wetlands generally	<input type="checkbox"/> N=Status Deteriorated <input checked="" type="checkbox"/> O=No Change <input type="checkbox"/> P=Status Improved

8.6 Based upon the National Wetland Inventory if available please provide a baseline figure in square kilometres for the extent of wetlands (according to the Ramsar definition) for the year 2017. SDG Target 6.6

D=Planned

## Target 9

The wise use of wetlands is strengthened through integrated resource management at the appropriate scale, inter alia, within a river basin or along a coastal zone {1.3.}.

9.1 Is a Wetland Policy (or equivalent instrument) that promotes the wise use of wetlands in place? {1.3.1} KRA 1.3.i

If 'Yes', please give the title and date of the policy in the green text box

D=Planned

### 9.1 Additional information

> for the time being no national wetland policy is available in Lebanon, but in general the law of the protection of the environment, Law # 444/2002 is applicable until a more specific and precise policy has been issued.

In addition the issues of wetlands are being generally targeted in the Water resources draft Law, the Petroleum resources draft Law, and the ICZM draft Law

9.2 Have any amendments to existing legislation been made to reflect Ramsar commitments?

{1.3.5}{1.3.6}

D=Planned

### 9.2 Additional information

> for the time being no amendments are being made, but it is important to mention that all the work related to the Ramsar convention, that is being done at the Ministry of Environment (implementing agency of the Ramsar Convention in Lebanon) in cooperation with other national agencies, is focusing and planning to reflect Ramsar commitments.

Lebanon has established a strong legal framework to protect, manage and sustain its valuable and vulnerable diversified natural resources (Land and marine resources) from all kind of dangers and threatenings conditions, especially through the applications of Law 444/2002 and decrees 8213/2012 and 8633/2012.

9.3 Do your country's water governance and management systems treat wetlands as natural water infrastructure integral to water resource management at the scale of river basins? {1.7.1} {1.7.2} KRA

1.7.ii

A=Yes

### 9.3 Additional information

> all the wetlands and Ramsar sites are being considered as natural water infrastructure integral to water resource management at the scale of river basins when it is applicable, and especially recently through the application of the Strategic Environmental Assessment of the National Water Sector Strategy that is being reviewed in Lebanon.

9.4 Have Communication, Education, Participation and Awareness (CEPA) expertise and tools been incorporated into catchment/river basin planning and management (see Resolution X.19)? {1.7.2}{1.7.3}

D=Planned

9.5 Has your country established policies or guidelines for enhancing the role of wetlands in mitigating or adapting to climate change? {1.7.3} {1.7.5} KRA 1.7.iii

C=Partially

### 9.5 Additional information

> The Ministry of Environment has integrated the wetlands issue as an integral part of the National water strategy and in all the guidelines and communications related to the adaptation to climate change

9.6 Has your country formulated plans or projects to sustain and enhance the role of wetlands in supporting and maintaining viable farming systems? {1.7.4} {1.7.6} KRA 1.7.v

D=Planned

9.7 Has research to inform wetland policies and plans been undertaken in your country on:

{1.6.1} KRA 1.6.i

Please select only one per square.

a) agriculture-wetland interactions	<input type="checkbox"/> A=Yes <input type="checkbox"/> B=No <input checked="" type="checkbox"/> D=Planned
-------------------------------------	--

b) climate change	<input type="checkbox"/> A=Yes <input type="checkbox"/> B=No <input checked="" type="checkbox"/> D=Planned
c) valuation of ecosystem services	<input type="checkbox"/> A=Yes <input type="checkbox"/> B=No <input checked="" type="checkbox"/> D=Planned

### 9.7 Additional information

> This has been partially undertaken in the management plans of Tyre coast nature reserve and Ammiq wetlands sites where many research have been undertaken. as for the other 2 Ramsar sites, research on all levels is being planned in cooperation with national academic and research institutions

### 9.8 Has your country submitted a request for Wetland City Accreditation of the Ramsar Convention, Resolution XII.10 ?

D=Planned

### 9.8 Additional information

If 'Yes', please indicate How many request have been submitted

> 3 requests are planned to be soon submitted

## Target 10

The traditional knowledge innovations and practices of indigenous peoples and local communities relevant for the wise use of wetlands and their customary use of wetland resources, are documented, respected, subject to national legislation and relevant international obligations and fully integrated and reflected in the implementation of the Convention with a full and effective participation of indigenous and local communities at all relevant levels.

### 10.1 Have the guiding principles for taking into account the cultural values of wetlands including traditional knowledge for the effective management of sites (Resolution VIII.19) been used or applied?.(Action 6.1.2/ 6.1.6)

C1=Partially

### 10.2 Have case studies, participation in projects or successful experiences on cultural aspects of wetlands been compiled. Resolution VIII.19 and Resolution IX.21? (Action 6.1.6)

D=Planned

### 10.2 Additional information

If yes please indicate the case studies or projects documenting information and experiences concerning culture and wetlands

> This is being planned for 3 sites in Lebanon (Tyre site, Qaraoun Lake, Anjar/Kfarzabad site)

### 10.3 Have the guidelines for establishing and strengthening local communities' and indigenous people's participation in the management of wetlands been used or applied. (Resolution VII. 8) (Action 6.1.5)

D=Planned

### 10.4 Traditional knowledge and management practices relevant for the wise use of wetlands have been documented and their application encouraged (Action 6.1.2)

B=No

## Target 11

Wetland functions, services and benefits are widely demonstrated, documented and disseminated. {1.4.}

### 11.1 Has an assessment been made of the ecosystem benefits/services provided by Ramsar Sites and other wetlands? {1.4.1} KRA 1.4.ii

A=Yes

### 11.1 Additional information

If 'Yes' or 'Partially', please indicate, how many Ramsar Sites and their names

> this process has been applied in a major wetland and Ramsar site in South-Lebanon, at Tyre Coast Nature reserve as a part of its management plan, and it is being updated.

The same process has been applied also at Ammiq wetland (Ramsar site) where there is a planned of an updated assessment of the whole ecosystem in the near future within the assessment planned for the Shouf Biosphere

11.2 Have wetland programmes or projects that contribute to poverty alleviation objectives or food and water security plans been implemented? {1.4.2} KRA 1.4.i

B=No

11.3 Have socio-economic values of wetlands been included in the management planning for Ramsar Sites and other wetlands? {1.4.3}{1.4.4} KRA 1.4.iii

D=Planned

11.4 Have cultural values of wetlands been included in the management planning for Ramsar Sites and other wetlands? {1.4.3}{1.4.4} KRA 1.4.iii

D=Planned

## **Target 12**

Restoration is in progress in degraded wetlands, with priority to wetlands that are relevant for biodiversity conservation, disaster risk reduction, livelihoods and/or climate change mitigation and adaptation. {1.8.}

12.1 Have priority sites for wetland restoration been identified? {1.8.1} KRA 1.8.i

D=Planned

12.2 Have wetland restoration/rehabilitation programmes, plans or projects been effectively implemented? {1.8.2} KRA 1.8.i

D=Planned

## **Target 13**

Enhanced sustainability of key sectors such as water, energy, mining, agriculture, tourism, urban development, infrastructure, industry, forestry, aquaculture and fisheries when they affect wetlands, contributing to biodiversity conservation and human livelihoods

13.1 Have actions been taken to enhance sustainability of key sectors such as water, energy, mining, agriculture, tourism, urban development, infrastructure, industry, forestry, aquaculture and fisheries when they affect wetlands?

A=Yes

### 13.1. Additional information

If 'Yes', please indicate the actions taken

> Wetlands are considered as ecologically sensitive areas and therefore according to Law 444 (Environment Protection law) and decree 8633 (EIA decree) any activities that may affect wetland undertake an EIA

13.2 Are Strategic Environmental Assessment practices applied when reviewing policies, programmes and plans that may impact upon wetlands? {1.3.3} {1.3.4} KRA 1.3.ii

A=Yes

### 13.2 Additional information

> The decree # 8213/2012 that deals with the Strategic Environmental Assessment practices is being strictly applied especially when reviewing wetlands related policies or programmes as for exemple the National Water Sector Strategy where the issue of wetlands has been incorporated as an important part of the whole water systems in Lebanon

13.3 Are Environmental Impact Assessments made for any development projects (such as new buildings, new roads, extractive industry) from key sectors such as water, energy, mining, agriculture, tourism, urban development, infrastructure, industry, forestry, aquaculture and fisheries that may affect wetlands?

{1.3.4} {1.3.5} KRA 1.3.iii

A=Yes

### 13.3 Additional information

> The decree # 8633/2012 that deals specifically with the Environmental Impact Assessment of any project in Lebanon is being strictly applied for all the projects that may affect anything related to the environment in Lebanon and specifically in this case the wetlands

## **Goal 4. Enhancing implementation**

### **Target 15**

Ramsar Regional Initiatives with the active involvement and support of the Parties in each region are reinforced and developed into effective tools to assist in the full implementation of the Convention. {3.2.}

15.1 Have you (AA) been involved in the development and implementation of a Regional Initiative under the framework of the Convention? {3.2.1} KRA 3.2.i

A=Yes

15.1 Additional information

If 'Yes' or 'Planned', please indicate the regional initiative(s) and the collaborating countries of each initiative

> Lebanon has been always an active member of all the activities of MedWet

15.2 Has your country supported or participated in the development of other regional (i.e., covering more than one country) wetland training and research centres? {3.2.2}

A=Yes

15.2 Additional information

If 'Yes', please indicate the name(s) of the centre(s)

> - International Training of Trainers Course on Wetland management in september 2010, in Wageningen, Netherlands (2 weeks).

- GLOBWETLAND II Project: applications of spatial data analysis and GIS in mapping and managing wetlands and Ramsar sites.

- Regional Training of Trainers Course on Wetland management in 2017, in Tunisia.

**Target 16**

Wetlands conservation and wise use are mainstreamed through communication, capacity development, education, participation and awareness {4.1}

16.1 Has an action plan (or plans) for wetland CEPA been established? {4.1.1} KRA 4.1.i

Even if no CEPA plans have been developed, if broad CEPA objectives for CEPA actions have been established, please indicate this in the Additional information section below

Please select only one per square.

a) At the national level	<input type="checkbox"/> A=Yes <input type="checkbox"/> B=No <input type="checkbox"/> C=In Progress <input checked="" type="checkbox"/> D=Planned
b) Sub national level	<input type="checkbox"/> A=Yes <input type="checkbox"/> B=No <input type="checkbox"/> C=In Progress <input checked="" type="checkbox"/> D=Planned
c) Catchment/basin level	<input type="checkbox"/> A=Yes <input type="checkbox"/> B=No <input type="checkbox"/> C=In Progress <input checked="" type="checkbox"/> D=Planned
d) Local/site level	<input type="checkbox"/> A=Yes <input type="checkbox"/> B=No <input type="checkbox"/> C=In Progress <input checked="" type="checkbox"/> D=Planned

16.2a How many centres (visitor centres, interpretation centres, education centres) have been established? {4.1.2} KRA 4.1.ii

a) at Ramsar Sites

E=Exact Number (centres)

> 1

16.2b How many centres (visitor centres, interpretation centres, education centres) have been established? {4.1.2} KRA 4.1.ii

b) at other wetlands

X=Unknown

16.3 Does the Contracting Party {4.1.3} KRA 4.1.iii

Please select only one per square.

--	--

a) promote stakeholder participation in decision-making on wetland planning and management	<input checked="" type="checkbox"/> A=Yes <input type="checkbox"/> B=No <input type="checkbox"/> C=Partially <input type="checkbox"/> D=Planned
b) specifically involve local stakeholders in the selection of new Ramsar Sites and in Ramsar Site management?	<input checked="" type="checkbox"/> A=Yes <input type="checkbox"/> B=No <input type="checkbox"/> C=Partially <input type="checkbox"/> D=Planned

### 16.3 Additional information

If 'Yes' or 'Partially', please provide information about the ways in which stakeholders are involved

> Central and local meetings are held for this purpose with relevant local authorities and other organisations

### 16.4 Do you have an operational cross-sectoral National Ramsar/Wetlands Committee? {4.1.6} KRA 4.3.v

D=Planned

### 16.5 Do you have an operational cross-sectoral body equivalent to a National Ramsar/Wetlands Committee? {4.1.6} KRA 4.3.v

B=No

16.6 Are other communication mechanisms (apart from a national committee) in place to share Ramsar implementation guidelines and other information between the Administrative Authority and a), b) or c) below? {4.1.7} KRA 4.1.vi:

*Please select only one per square.*

a) Ramsar Site managers	<input type="checkbox"/> A=Yes <input type="checkbox"/> B=No <input type="checkbox"/> C=Partially <input checked="" type="checkbox"/> D=Planned
b) other MEA national focal points	<input type="checkbox"/> A=Yes <input type="checkbox"/> B=No <input type="checkbox"/> C=Partially <input checked="" type="checkbox"/> D=Planned
c) other ministries, departments and agencies	<input type="checkbox"/> A=Yes <input type="checkbox"/> B=No <input type="checkbox"/> C=Partially <input checked="" type="checkbox"/> D=Planned

### 16.6 Additional information

If 'Yes' or 'Partially', please describe what mechanisms are in place

> Through the establishment of the national Ramsar committee and its communication with Ramsar sites managers and local committees

### 16.7 Have Ramsar-branded World Wetlands Day activities (whether on 2 February or at another time of year), either government and NGO-led or both, been carried out in the country since COP12? {4.1.8}

B=No

16.8 Have campaigns, programmes, and projects (other than for World Wetlands Day-related activities) been carried out since COP12 to raise awareness of the importance of wetlands to people and wildlife and the ecosystem benefits/services provided by wetlands? {4.1.9}

D=Planned

## Target 17

Financial and other resources for effectively implementing the fourth Ramsar Strategic Plan 2016 - 2024 from all sources are made available. {4.2.}

### 17.1a Have Ramsar contributions been paid in full for 2015, 2016 and 2017? {4.2.1} KRA 4.2.i

A=Yes

17.1b If 'No' in 17.1 a), please clarify what plan is in place to ensure future prompt payment

> The 2017 contribution is being administratively processed in order to be paid soon

17.2 Has any additional financial support been provided through voluntary contributions to non-core funded Convention activities? {4.2.2} KRA 4.2.i

B=No

17.3 [For Contracting Parties with a development assistance agency only ('donor countries')]: Has the agency provided funding to support wetland conservation and management in other countries? {3.3.1} KRA 3.3.i

Z=Not Applicable

17.4 [For Contracting Parties with a development assistance agency only ('donor countries')]: Have environmental safeguards and assessments been included in development proposals proposed by the agency? {3.3.2} KRA 3.3.ii

Z=Not Applicable

17.5 [For Contracting Parties that have received development assistance only ('recipient countries')]: Has funding support been received from development assistance agencies specifically for in-country wetland conservation and management? {3.3.3}

B=No

17.6 Has any financial support been provided by your country to the implementation of the Strategic Plan?

B=No

## Target 18

International cooperation is strengthened at all levels {3.1}

18.1 Are the national focal points of other MEAs invited to participate in the National Ramsar/Wetland Committee? {3.1.1} {3.1.2} KRAs 3.1.i & 3.1.iv

D=Planned

18.2 Are mechanisms in place at the national level for collaboration between the Ramsar Administrative Authority and the focal points of UN and other global and regional bodies and agencies (e.g. UNEP, UNDP, WHO, FAO, UNECE, ITTO)? {3.1.2} {3.1.3} KRA 3.1.iv

D=Planned

18.3 Has your country received assistance from one or more UN and other global and regional bodies and agencies (e.g. UNEP, UNDP, WHO, FAO, UNECE, ITTO) or the Convention's IOPs in its implementation of the Convention? {4.4.1} KRA 4.4.ii.

The IOPs are: BirdLife International, the International Water Management Institute (IWMI), IUCN (International Union for Conservation of Nature), Wetlands International, WWF and Wildfowl & Wetland Trust (WWT).

B=No

18.4 Have networks, including twinning arrangements, been established, nationally or internationally, for knowledge sharing and training for wetlands that share common features? {3.4.1}

D=Planned

18.5 Has information about your country's wetlands and/or Ramsar Sites and their status been made public (e.g., through publications or a website)? {3.4.2} KRA 3.4.iv

A=Yes

18.6 Has information about your country's wetlands and/or Ramsar Sites been transmitted to the Ramsar Secretariat for dissemination? {3.4.3} KRA 3.4.ii

D=Planned

18.7 Have all transboundary wetland systems been identified? {3.5.1} KRA 3.5.i

D=Planned

18.8 Is effective cooperative management in place for shared wetland systems (for example, in shared river basins and coastal zones)? {3.5.2} KRA 3.5.ii

B=No

18.9 Does your country participate in regional networks or initiatives for wetland-dependent migratory species? {3.5.3} KRA 3.5.iii

B=No

## Target 19

Capacity building for implementation of the Convention and the 4th Ramsar Strategic Plan 2016 – 2024 is enhanced.

19.1 Has an assessment of national and local training needs for the implementation of the Convention been made? {4.1.4} KRAs 4.1.iv & 4.1.viii

D=Planned

19.2 Are wetland conservation and wise-use issues included in formal education programmes?

C=Partially

19.3a How many opportunities for wetland site manager training have been provided since COP12? {4.1.5} KRA 4.1.iv

a) at Ramsar Sites

E=Exact number (opportunities)

> 1

19.3b How many opportunities for wetland site manager training have been provided since COP12? {4.1.5} KRA 4.1.iv

b) at other wetlands

E=Exact number (Opportunities)

> 0

19.4 Have you (AA) used your previous Ramsar National Reports in monitoring implementation of the Convention? {4.3.1} KRA 4.3.ii

B=No



