

18th Global Meeting of the Regional Seas Conventions and Action Plans

30 September – 1 October 2016, Incheon, the Republic of Korea

Regional Seas Indicators Working Group

Black Sea Commission

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Outline

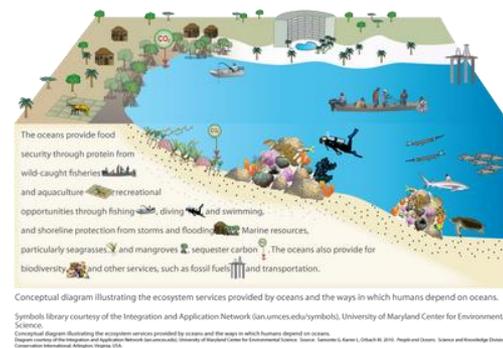
Background document:

UNEP/WBRS.18/3, INF7, INF9

1. Background
2. Regional Seas Indicators Working Group
3. Regional Seas Indicators
4. Compilation results
5. Mapping exercise between regional targets and SDGs
6. Discussion

Background

- Regional Seas programme aims to integrate the **Ecosystem Approach (UNEP/WBRS18./INF5)**
- Involves setting **regional ecological objectives** and **monitoring** on progress towards the objectives
- UNEP proposed to establish **a set of indicators** to track chronological change in environmental status
- Report “**Measuring Success Indicators for Regional Seas Conventions and Action Plans**” was launched
- Regional Seas Indicators Working Group was initiated in 2015



Regional Seas Indicators Working Group

| Date | Event | Output |
|------------------------|---|---|
| 30 June to 2 July 2014 | The Technical Workshop on Selecting Indicators for the State of Regional Seas was organized | Regional Seas Working Group established |
| 23 October 2015 | First Meeting of the Regional Seas Indicators Working Group | The core set of the Regional Seas indicators was adopted |
| 14 March 2016 | Second Meeting of Regional Seas Indicators Working Group | Reviewed different indicators used regarding 14.1 |
| 6 July 2016 | Third Meeting of Regional Seas Indicators Working Group | Reviewed different indicators used regarding 14.2 Decided to conduct mapping exercise between SDGs, Aichi targets and regional targets |

Regional Seas Indicators

| No | Category of Indicator | Possible regional Seas Coordinated Indicator | SDG 14 (plus SDG 1 SDG 2 others) | TWAP indicators |
|----|---|---|----------------------------------|--|
| 1 | Total inputs of nitrogen and phosphorus from agriculture, sewage and atmospheric nitrogen | Chlorophyll a concentration as an indicator of phytoplankton biomass | 14.1 | Chlorophyll time series; DIN, DIP (modelled data) (both concentration and flux) |
| 2 | Inputs of marine chemical pollution Trends for selected priority chemicals | Trends for selected priority chemicals including POPs and heavy metals | 14.1 | POPS (Persistent Organic Pollutants) status |
| 3 | Overall levels of marine litter Quantification of beach litter items | Quantification and classification of beach litter items | 14.1 | Marine Plastic Litter |
| 4 | Ocean warming | Annual mean sea surface temperature (25m below the surface) | 14.3 | Sea Surface Temperature (SST) |
| 5 | Fish landings | Fish catches within EEZs (tonnes) – total capture production | 14.4 | Fish landings and Landed Value, Fishing effort, Fish stock status, Primary Production required, Marine Trophic Index, Fishing in Balance Index |
| 6 | Aquaculture | Application of risk assessment to account for pollution and biodiversity impacts | 14.4 | |
| 7 | Aquaculture | Destruction of habitat due to aquaculture | | |
| 8 | Population pressure / urbanization | Length of coastal modification and km² of coastal reclamation | 14.2 | Rural/ Urban population, %poor, |
| 9 | Eutrophication status | Locations and frequency of algal blooms reported | 14.1 | Index of coastal eutrophication |

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|----|---|---|----------------------------------|--|
| 10 | Pollution hot spots | 1) Concentration of Status of selected pollutant contamination in biota and sediments and temporal trends 2) Number of hotspots | 14.1 | Floating plastic debris |
| 11 | Ocean acidification | 1) Aragonite saturation 2) pH 3) Alkalinity | 14.3 | Pteropods at risk |
| 12 | Level of exploitation of commercial fisheries | FAO stock status: % stocks overfished compared to MSY | 14.4 | Catch Stock Status, Marine Trophic Index, Fishing in Balance Index |
| 13 | Species replacement as a consequence of capture fisheries | Marine trophic index | 14.5 | Marine Trophic Index |
| 14 | Endangered species | Distribution of Red List Index species | 14.5 | |
| 15 | Loss of critical habitat | Trends in critical habitat extent and condition | 14.5 | Mangrove status; Reefs at Risk Index; seagrass; salt marshes |
| 16 | National Action Plans to reduce input from LBS | % National action plans ratified / operational | 14.1 | Transboundary Legal Instruments |
| 17 | Waste water treatment facilities | 1) % coastal urban population connected to sewage facilities 2) % of waste water facilities complying with adequate standards 3) % of untreated waste water | 14.1 | NA |

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|----|--|--|---|
| 18 | Incentive to reduce marine litter at source | <p>1) % port waste reception facilities available</p> <p>2) Incentives to reduce land based sources</p> <p>3) Amount of recycled waste on land (%)</p> | 14.1 NA |
| 19 | Climate change adaptation | <p>1) % national adaptation plans in place</p> <p>2) Sector based national adaptation plans</p> <p>3) Number of existing national and local coastal and marine plans incorporating climate change adaptation</p> | 14.2 Transboundary Legal Instruments |
| 20 | Fish harvested within safe ecological limits | <p>Fisheries measures in place (by-catch limits, area-based closures, recovery plans, capacity reduction measures) and multilateral/bilateral fisheries management arrangements</p> | 14.4 Catch Stock Status, Marine Trophic Index, Fishing in Balance Index; Fishery Production Potential of LMEs |
| 21 | Critical marine habitat under protection | % Marine protected areas designated | 14.5 Change in Protected Area Coverage |
| 22 | National ICZM in place | National ICZM guidelines and enabling legislation adopted | 14.2 |

Compilation of background information

- Questionnaire was conducted in 2015 on 22 indicators
 - *scientific background*
 - *monitoring points and frequency*
 - *organisation(s) monitoring the indicator*
 - *the data source(s), spatial coverage, temporal coverage, frequency of updates*

预览已结束，完整报告链接和二维码如下：

https://www.yunbaogao.cn/report/index/report?reportId=5_15845

