Applying participatory foresight analysis to support ICZM and planning Lebanon

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MISSION: To protect the Mediterranean Basin by informing the work and decisions of authorities and decision makers

Plan Bleu is one of the 6 Regional Activity Centres of the Mediterranean Action Plan (MAP) of the United Nations Environment Program (UNEP)

5 Core Activities:

• To observe the Mediterranean environment and development to inform governments and the general public;
• To produce socio-economic and environmental studies to inform decision makers;
• To support and accompany the transition towards green and blue economies;
• To project potential futures for Mediterranean sustainable development;
• To support the Science-Policy-Civil Society interface, notably concerning the impacts of and responses to climate change.
“Strategic foresight is a structured and systematic way of using ideas about the future to anticipate and better prepare for change. It is about exploring different plausible futures that could arise, and the opportunities and challenges they could present.

Foresight can support government policy-making through better anticipation, policy innovation and future-proofing.” (OECD, 2023)

The **MED 2050** project aims to develop an image of what the Mediterranean could look like at an intermediate horizon, 2030, as well as at a more distant horizon, 2050, in order to enlighten and guide political decision-making all around the basin.
CP 2.1. - Mediterranean Coastal Zones: Water Security, Climate Resilience and Habitat Protection

- Climagine applied through 4 workshops in the **Tangier-Tétouan-Al Hoceïma region (Morocco)** and **Kotor Bay (Montenegro)** to support the elaboration of regional **Coastal Plans**, led by PAP/RAC.

- In Morocco, collaboration with GWP-Med on **ICZM/WEFE Nexus aspects** in Morocco and UNESCO-IHP on **coastal aquifer management**.

- Climagine Guide for ICZM Practitioners (2024).

**SCCF Project - Enhancing regional climate change adaptation in the Mediterranean Marine and Coastal Areas**

- Two **gender-sensitive climate risk assessments** of both coastal hotspots published by Plan Bleu in early 2023.

- Ongoing activities:
  - **ecosystem-based adaptation training** for coastal managers (regional SCCF training);
  - **cost-benefit analyses** of selected **coastal adaptation solutions**;
  - engaging and building the capacity of **investors, banks, insurers and the private sector** to assess climate risks and support coastal adaptation solutions.
The Climagine method

Climagine 1
Sharing Visions of the Area and identifying Key Challenges and Priority Sectors.

Climagine 2
Identifying Sustainability Indicators for each Priority Sector.

Climagine 3
Defining the Band of Equilibrium (the safe operating space) for each Sustainability Indicator.

Climagine 4
Developing priority measures and strategic recommendations for the Coastal Plan.

- Every participant is an expert at her/his own level.
- Using participatory processes to start a conversation.
- By mobilising local and regional expertise, collectively translating visions into data, trends and scenarios while identifying data requirements and challenges.
- Injecting a simple and communicable dashboard of indicators into the Coastal Plan, coupled with strategic recommendations.
Climagine (continued)

### Sustainability Indicators

<table>
<thead>
<tr>
<th>Indicateur de durabilité</th>
<th>Valeur (%)</th>
<th>Minima</th>
<th>Maxima</th>
<th>Echelle de durabilité</th>
<th>Situation par rapport à la Bande d’équilibre</th>
</tr>
</thead>
<tbody>
<tr>
<td>% de raccordement de réseaux d’assainissement au réseau rural</td>
<td>10 %</td>
<td>60 %</td>
<td>80 %</td>
<td>1</td>
<td>Très non durable par défaut</td>
</tr>
<tr>
<td>Superficie des zones protégées</td>
<td>40 %</td>
<td>20 %</td>
<td>80 %</td>
<td>2</td>
<td>Limites inférieures-durable</td>
</tr>
<tr>
<td>Taux moyen de collecte de déchets de la Province de Téhennan</td>
<td>85 %</td>
<td>60 %</td>
<td>95 %</td>
<td>3</td>
<td>Très peu durable par défaut</td>
</tr>
<tr>
<td>Taux d’urbanisation du littoral de TTA</td>
<td>10/15%</td>
<td>50%</td>
<td>75%</td>
<td>4</td>
<td>Durable</td>
</tr>
<tr>
<td>Superficie de terrain supplémentaire submergée par la hausse du niveau marin à l’émission 2050</td>
<td>12 %</td>
<td>9 %</td>
<td>15 %</td>
<td>5</td>
<td>Limites supérieures-durable</td>
</tr>
<tr>
<td>% de perte annuelle du stock du poisson blanc</td>
<td>14 %</td>
<td>8 %</td>
<td>12 %</td>
<td>6</td>
<td>Non durable par excès</td>
</tr>
<tr>
<td>Nombre de lieux de pêche dans la région TTA</td>
<td>60 %</td>
<td>25%</td>
<td>40%</td>
<td>7</td>
<td>Très non durable par excès</td>
</tr>
</tbody>
</table>

### Band of Equilibrium (Safe Operating Space)

#### Amoeba diagrams
- (past, current, BAU and alternative scenarios by 2030 and 2050)
- Lebanon already has a draft national ICZM Strategy for the Lebanese Coastal Zone (2015).
- Significant material is already available in order to check several boxes of the foresight process
- Plan Bleu proposes to support an integrated participatory process over several workshops in Lebanon.
- Focus on the sharing and analysis of present and future sustainability trends in Lebanon, to encourage future-proofing and back-casting.
- Gender, climate change risks, adaptation solutions will be mainstreamed into the entire process.
- Additional focus on storytelling and awareness-raising to enrich and disseminate the narrative of a resilient and recovering Lebanon.
- Identification of data needs and gaps to inform the process.
- Inputs to the Damour Integrated Management Plan (IMP).
- Inputs from landscape restoration and Nature-based Solutions - ongoing work at Plan Bleu.
Thank you for joining the conversation and see you soon!

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