



DECIVIL

DEPARTAMENTO DE ENGENHARIA
CIVIL, ARQUITETURA E GEORRECURSOS

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Área Científica de Sistemas Urbanos e Regionais

Master in Engineering and Management of Innovation and Entrepreneurship

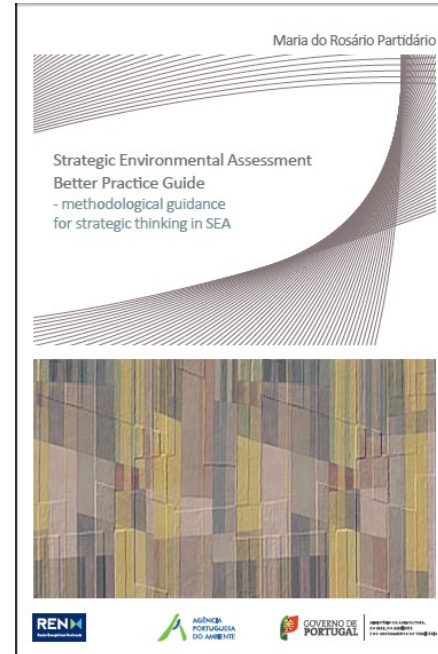
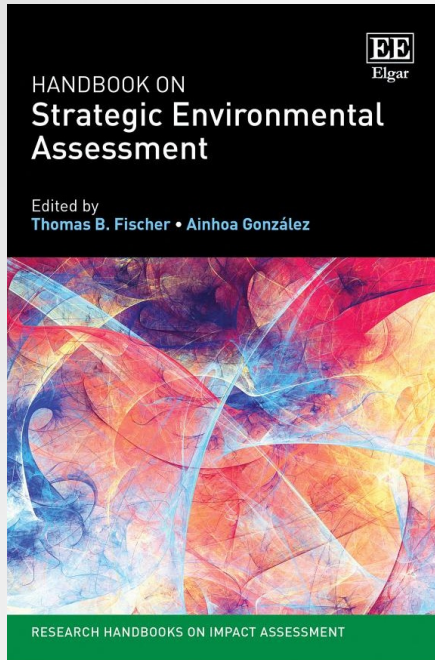
Master in Environmental Engineering

Avaliação Ambiental Estratégica / Strategic Environmental Assessment

Setting up the SEA: Object of assessment, vision and objectives

Prof. Doutora Maria do Rosário Partidário

Bibliography



How to start? 1

EIA based-SEA - objective

What are the effects?

Can effects be mitigated?

Can the initiative be designed to avoid/mitigate effects?

ST SEA - objective

Strategic thinking SEA: to help build futures and create contexts for sustainable development

How to start? 2

EIA based-SEA - objective

1. Proposal Location
2. Legislation/regulations
(planning, ...)

ST SEA - objective

1. Object of assessment
2. Objectives and vision
(strategic development objectives)
3. Understanding the problem
4. Strategic issues

How to start? 3

EIA based-SEA - objective

What are the environmental & social effects of the proposal?

Can effects be mitigated?

Can the initiative be designed to avoid/mitigate effects?

ST SEA - objective

What are **macro-policies** and orientations? (Strategic Reference framework – SRF, eg SDG)

Who are **key actors**, aspirations, competencies and responsibilities (Governance framework)

Problem framework

How to start? 4

EIA based-SEA - objective

Scoping:

- what are the key issues
- Impact identification
- Who to consult
- What are alternatives
- Content of the environmental report

ST SEA - objective

Getting focused:

- Strategic Assessment framework:
- Critical Decision Factors, assessment criteria and indicators

Object of assessment in SEA

What will be assessed with the SEA?

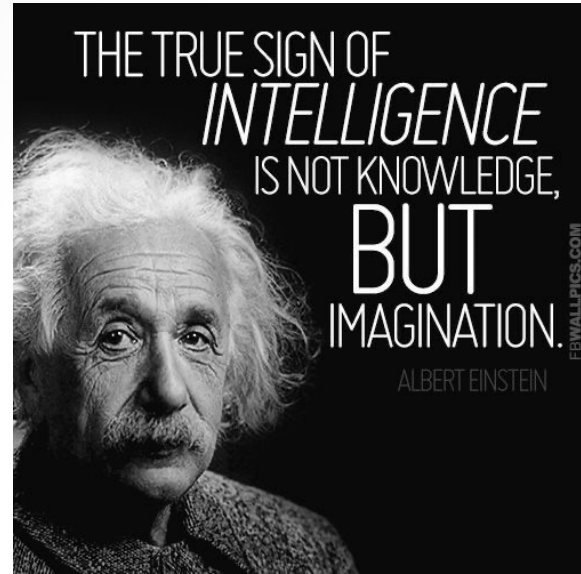
The strategies for development, associated to a futures vision and long-term objectives, in particular public policies, sectorial and territorial planning, investment programmes

e.g. strategy for multi-purpose water management,
strategy to enhance renewable energy use

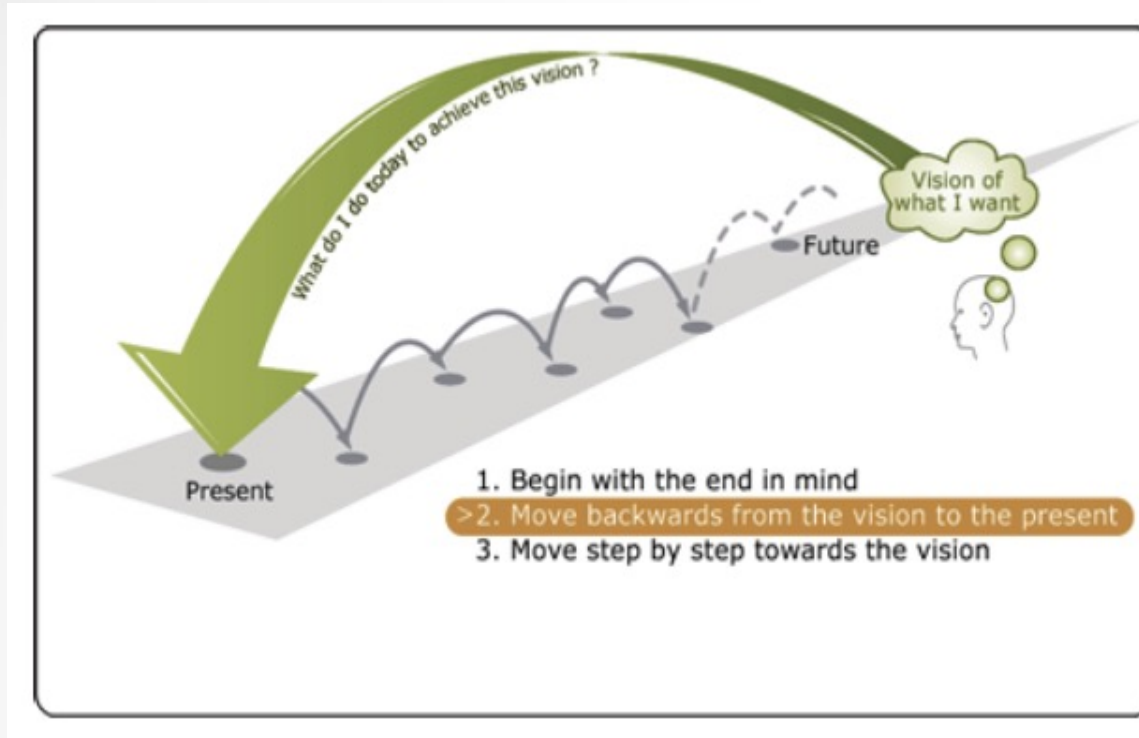
Vision



Vision



Natural Step Framework (<https://thenaturalstep.org/approach/>)



Understanding the problem

What are development priorities

What are the driving forces

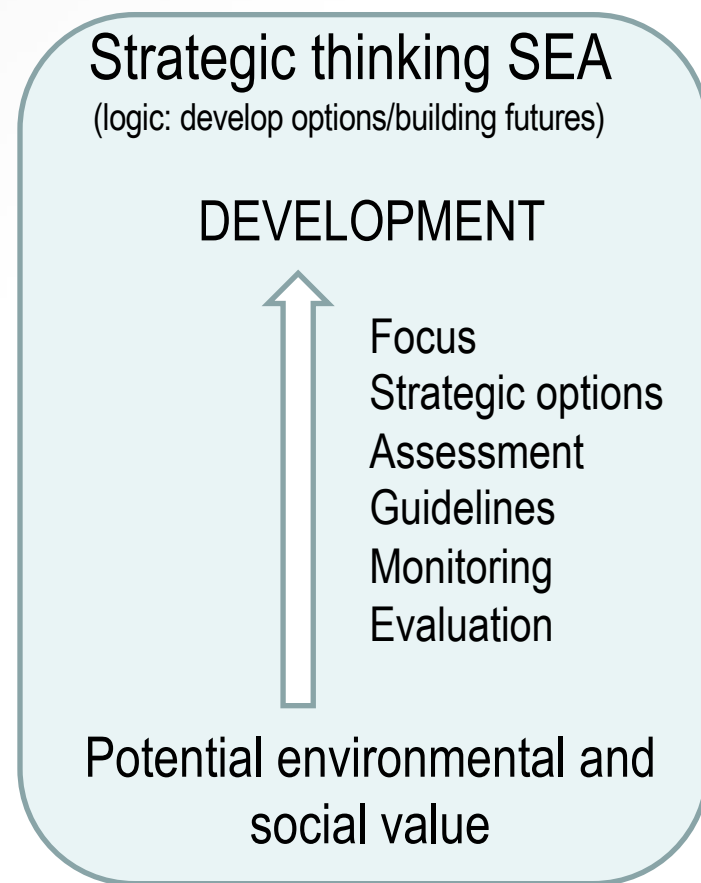
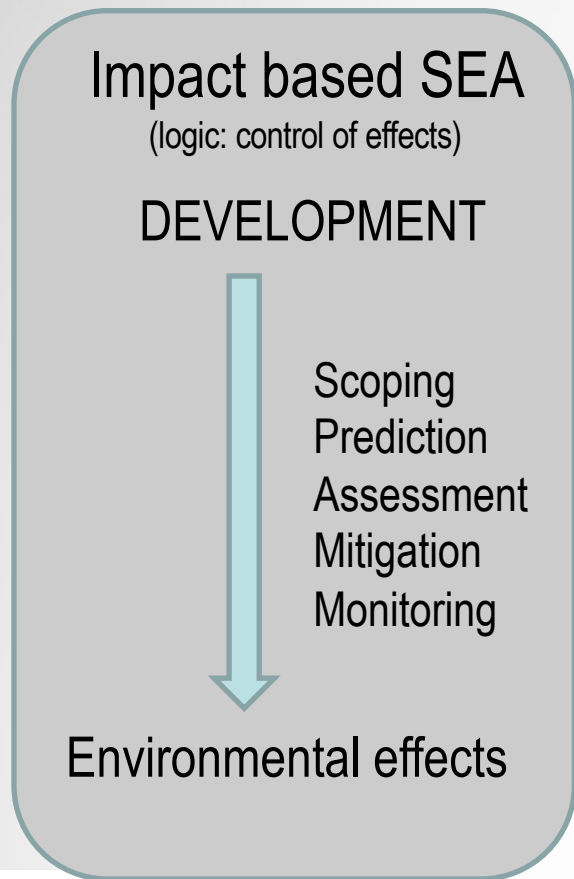
What are environmental and sustainability priorities

What are leading macro-policies (Strategic reference framework)

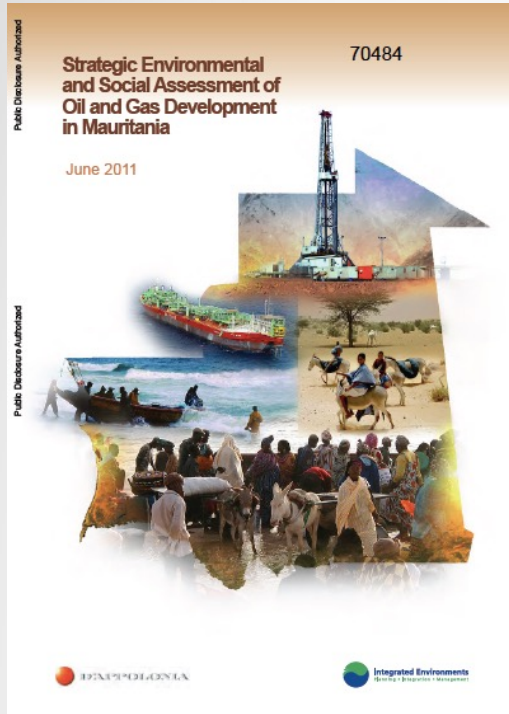
What are the powers in place

Who are the winners and losers

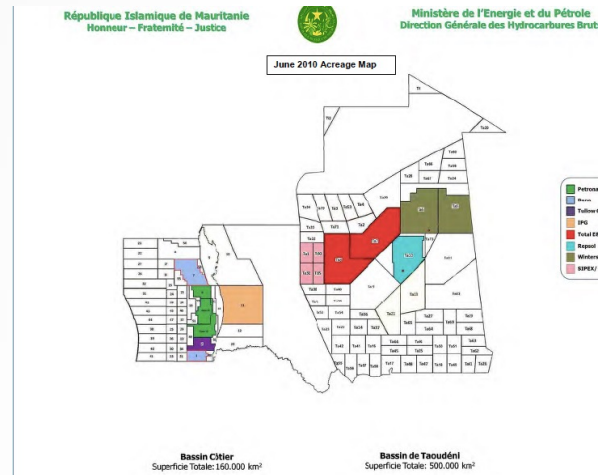
SEA – the two models (Partidário, 2020)



Oil and Gas development in Mauritania



The discovery of the Chinguetti oil field in 2001 was the trigger.



How would you approach this with SEA?

Oil and Gas development in Mauritania

Is there a problem?

What is the problem?

Why is it a problem?

Who is the problem for?

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