



Swedish Agency for Marine and Water Management



UNIVERSITY OF GOTHENBURG

Introduction to Practical Exercises



www.nairobiconvention.org/wio-symphony



4 step exercise



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-Simulate a realistic MSP situation

Start from planning policies, objectives & sector scenarios

WIO-
Symphony

Evaluate scenarios to support a planning decision

Day 1

Exercise 1

Identify Planning objective & Finding the support data

Gather supporting data for planning objectives

Choosing specific sector
Examine & select WIO Symphony layers & additional data which are necessary for supporting your planning sector/objective (identified before the meeting)

Outcome: Explain your planning objectives, drivers & a focus sector. Identified supporting layers from

Exercise 2

Selecting planning area options

Draw & digitize planning areas options

Digitize and delimitate your planning areas based on supporting WIO Symphony layers & national data

Outcome: Identified and digitized polygons of planning areas options

Day 2

Exercise 3

Environmental assessment of planning scenarios

Impact Assessment using WIO Symphony

Create the baseline scenarios of your planning options and comparing with

Scenario 1:

Sector growth focus

Scenario 2:

Environmental health focus

Outcome: A group discussion on how to balance the two analyses, key trade-offs, and differences between the two scenario calculations

Exercise 4

Summary and conclusion
Evaluation & interpretation of results

Present results

Present the reviewed, evaluated, and summarized results from the scenario calculations.

Outcome: A Present the results from the impact assessment evaluation calculations



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Exercise 1. Identify planning objective and gather support data (1h 40 mins)

- » Choose a focus sector and planning objective
- » Gather supporting data layers from WIO Symphony and additional national data.
- » Evaluate if the selected data layers align with your country's MSP policies, interests, or drivers.
- » See *A guide to WIO Symphony hands-on exercises* page 1 to 6

Outcome & Presentation:

- Explain your reasons for selecting the planning sector and the national priorities that influenced your choice.
- Present the data layers you selected from the WIO Symphony tool, along with any additional data. Describe how these layers support and align with your planning objective.

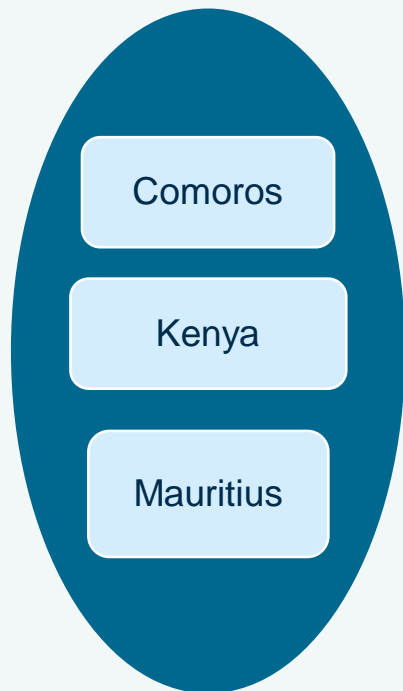


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Information Break out rooms

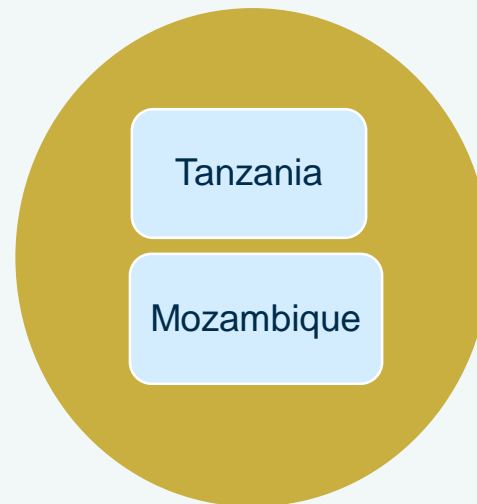
Group 1

Ed, Daniel,
Harrison



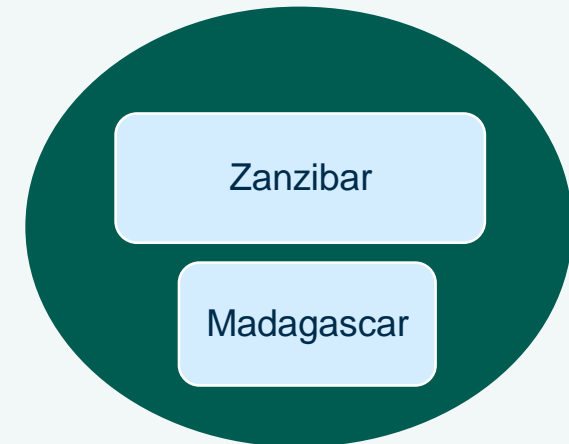
Group 2

Duncan,
Wilhelm



Group 3

Agnes,
Tomas



Exercise 2. Select planning area options (2h 25 mins)



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1. Draw or digitize planning area options for your sector objectives. By using the supporting data layers from Exercise 1, along with any national sector data you may have.
2. These digitized areas will serve as boundaries for further impact assessment and scenario analysis.

You can digitize your planning areas using GIS software or the WIO Symphony tool.

» See *A guide to WIO Symphony hands-on exercises* page 7-10

Outcome & Presentation:

- Identify your planning area options.
- Explain which factors or drivers helped you select these planning areas.



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Exercise 3. Impact assessment scenarios (2h15mins)

- » Create a baseline scenario on your planning areas.
- » Develop two scenarios:
 - **Sector growth focus** for the sector of your choice.
 - **Environmental health focus**

Adjust the intensity by increasing or decreasing the percentage of certain activities in each scenario.
- » Compare these two scenarios with your baseline
- » Evaluate the key trade-offs between sector growth and environmental health
- » Discuss how to balance the focus between sector growth, and environmental impact.
- » See *A guide to WIO Symphony hands-on exercises* page 11 to 28

Outcome:

- Perform scenario and environmental impact assessments using WIO Symphony.
- Focus for plenary discussion:
 1. Reviewed the outcome of your scenarios
 2. How to balance and manage a key trade-off between the sector and environment, based on your country's policy and drivers
 3. Interpretation and estimation of potential socio-economic effects
 4. Identify data the limitation and what's data needed for your future planning



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Exercise 4. Summary and conclusion. Evaluation & interpretation of results (2h35mins)

1. Critically review and summarize results and spatial scenarios analyses

2. Prepare a results presentation

» See *A guide to WIO Symphony hands-on exercises* page 29

Evaluate and prepare a presentation to answer this:

1. Summarize your environmental impact assessments and highlight any important settings used
2. Describe the significant trade-offs between the scenarios
3. Reflect on the socio-economic impacts, based on each scenario, such as effects on livelihoods, industries, and development companies
4. Identify and describe any unexpected results
5. Discuss whether your analysis and results could help advance the planning process. Explain why.
6. Mention any tool-related issues or limitations you encountered: data quality, scale, scope