



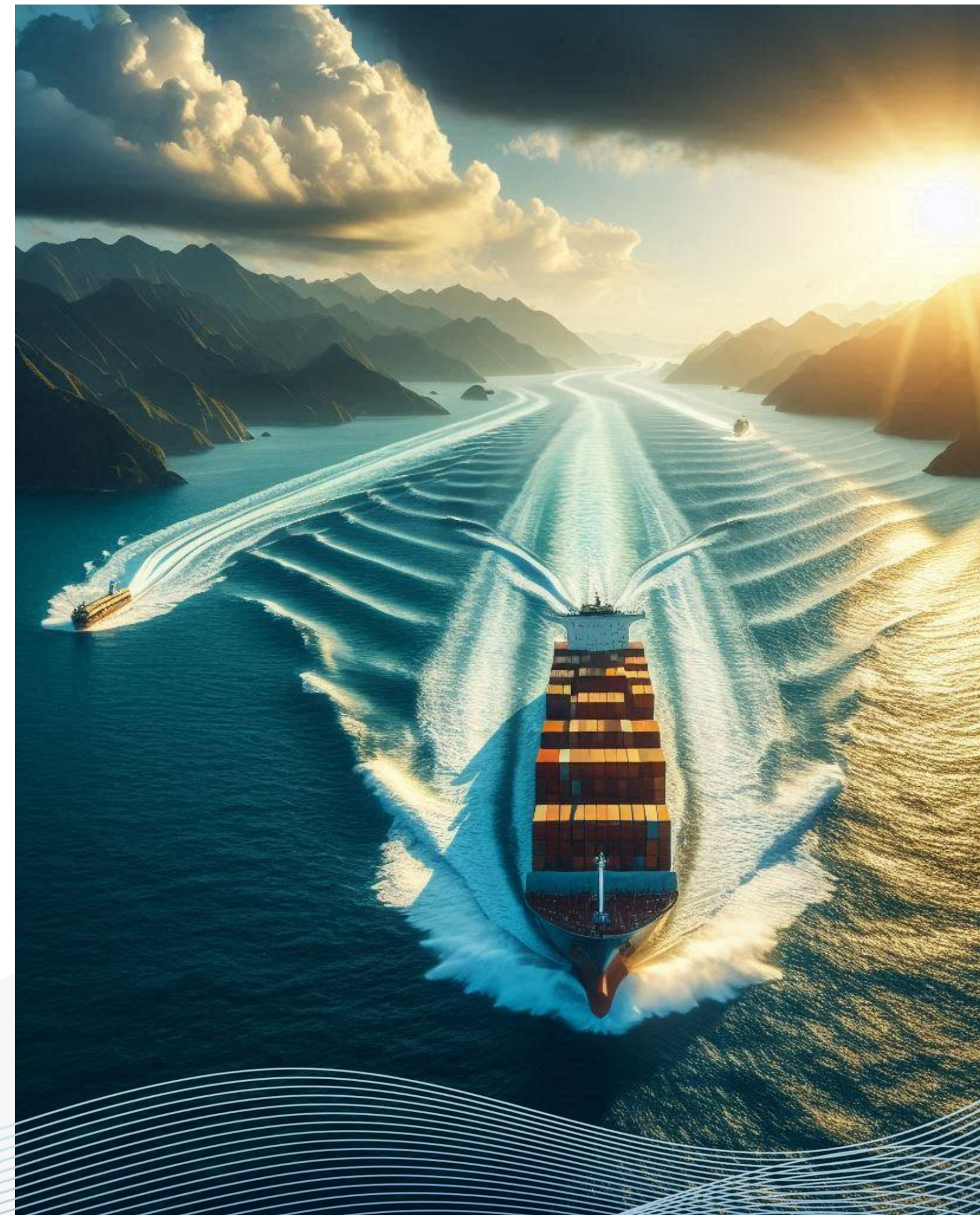
Underwater Noise in Chilean Jurisdictional Waters:

Critical Assessment of National Legislation;

IMO Instruments and International Regulations Implementation

Outline

- **Introduction**
- **Underwater Noise Regulations:**
 - **International Context**
 - **National Context**
- **Challenges and opportunities in Chile towards adopting an international framework**



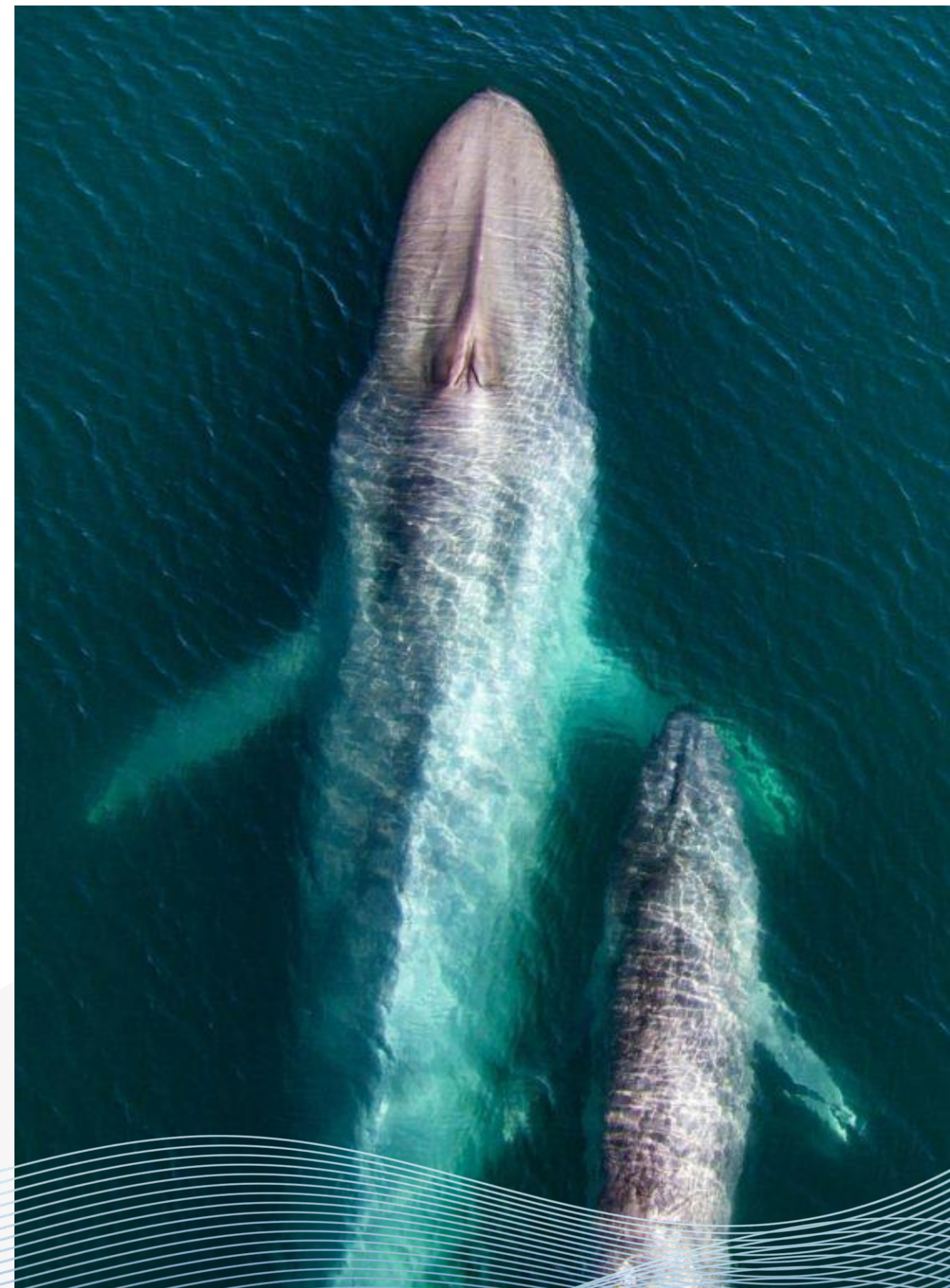
Introduction

Why control underwater noise in Chile is important?

6.435_{km} Wide variety of biodiversity

50 Different species of marine mammals

43% Of the EEZ declared as Marine Protected Areas



Underwater Noise Regulations

International Context



- ✓ The United Nations Convention on the Law of the Sea (UNCLOS)
- ✓ The Agreement under the UNCLOS on the Conservation and Sustainable Use of Marine Biological Diversity of Areas Beyond National Jurisdiction (BBNJ Agreement)
- ✓ The Convention on Biological Diversity (CBD)
- ✓ IMO involvement in Underwater Noise



Underwater Noise Regulations

International Context

✓ Regional Agreements and Local Initiatives

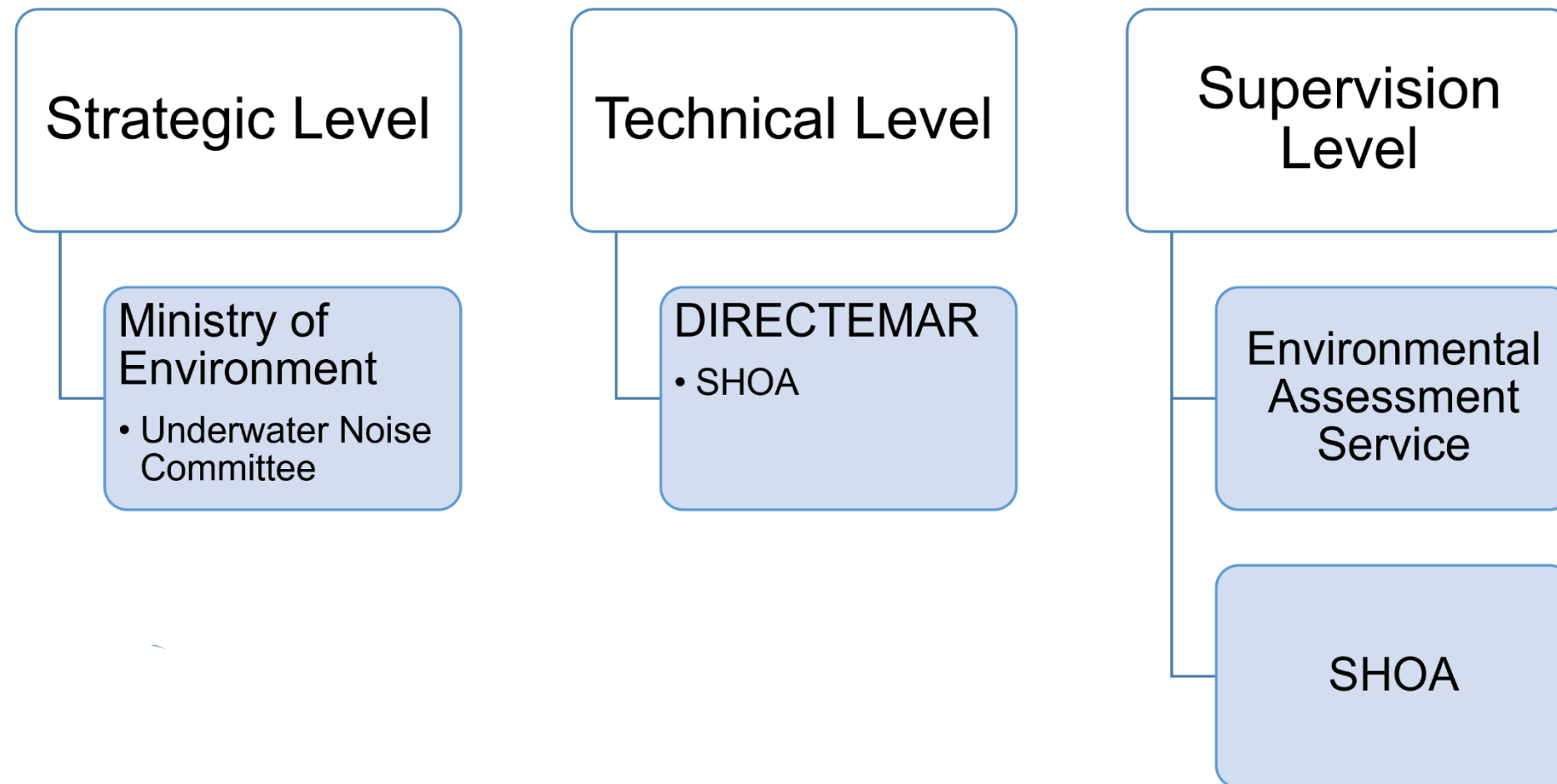
- EU Marine Strategy Framework Directive (MSFD)
- Convention for the Protection of the Marine Environment of the North-East Atlantic (OSPAR)
- The Baltic Marine Environment Protection Commission (HELCOM)
- Project LIFE-PIAQUO
- Project SATURN
- Canadian Initiatives



Underwater Noise Regulations

National Context

Underwater noise management in Chile



Ministerio del Medio Ambiente



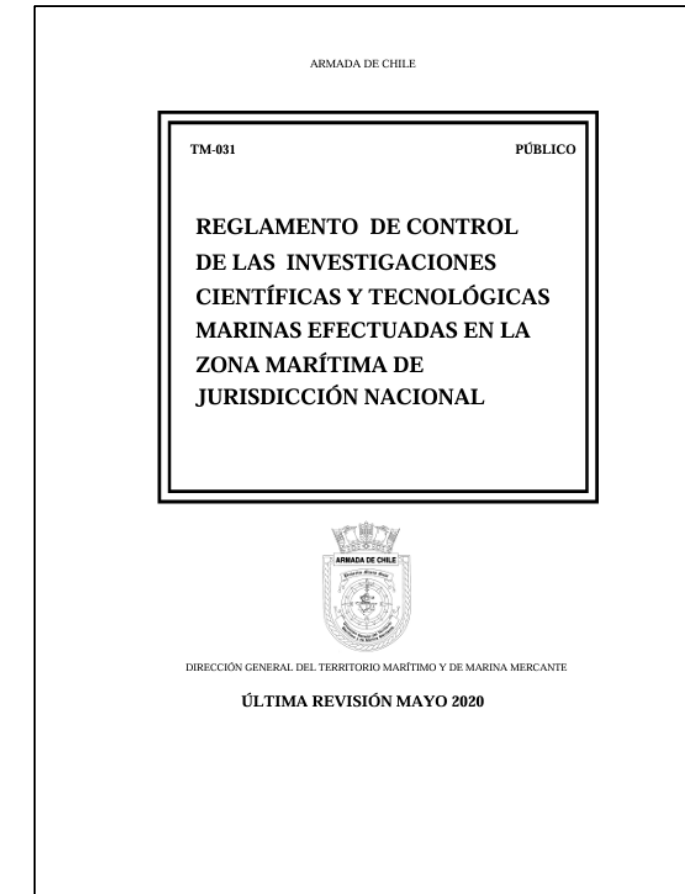
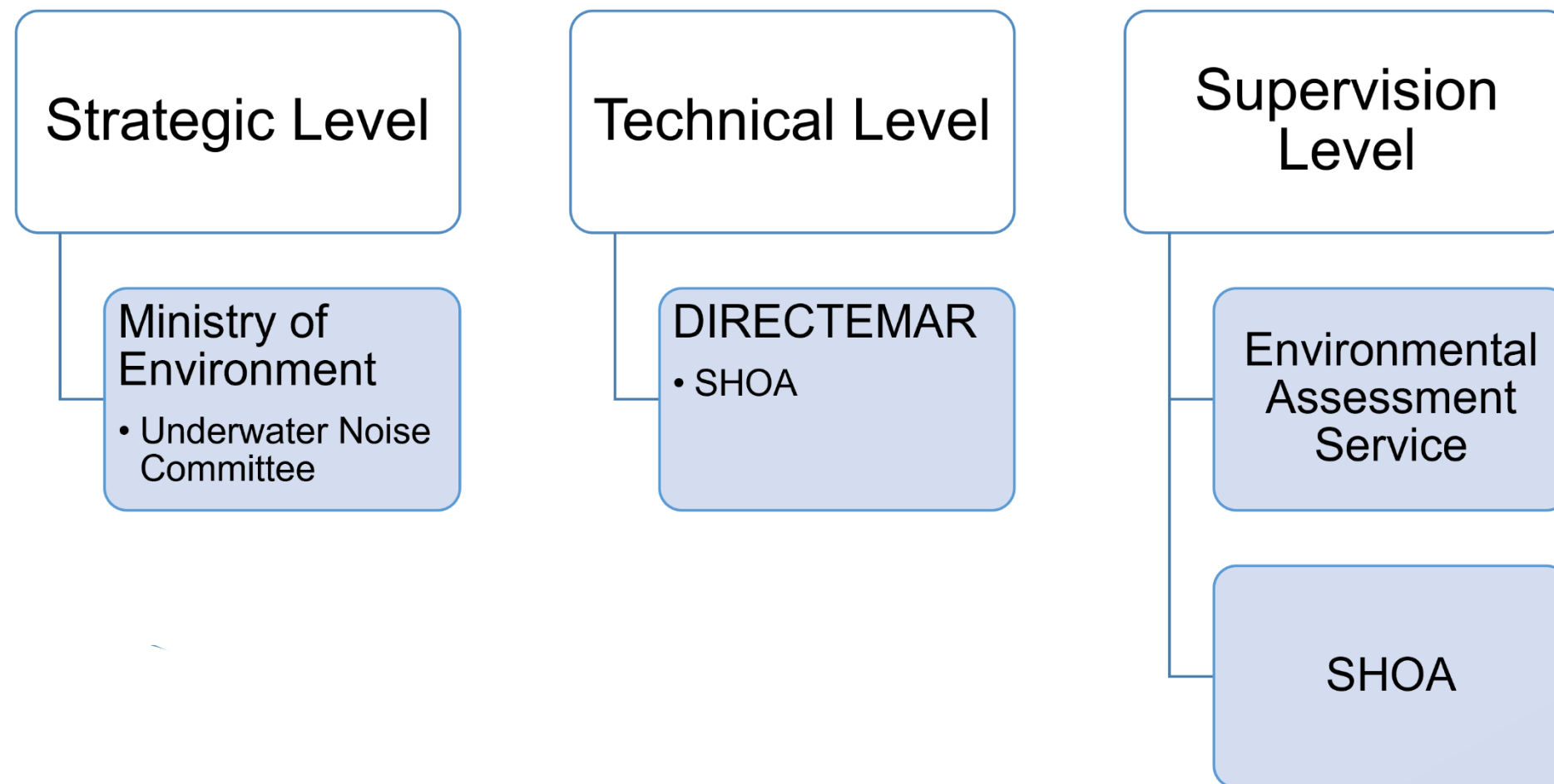
ARMADA DE CHILE
DIRECTEMAR



Underwater Noise Regulations

National Context

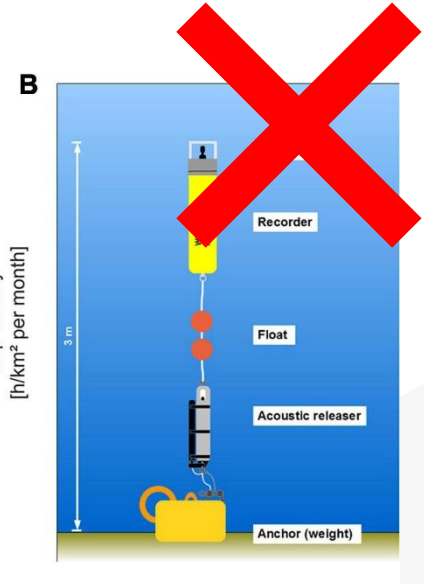
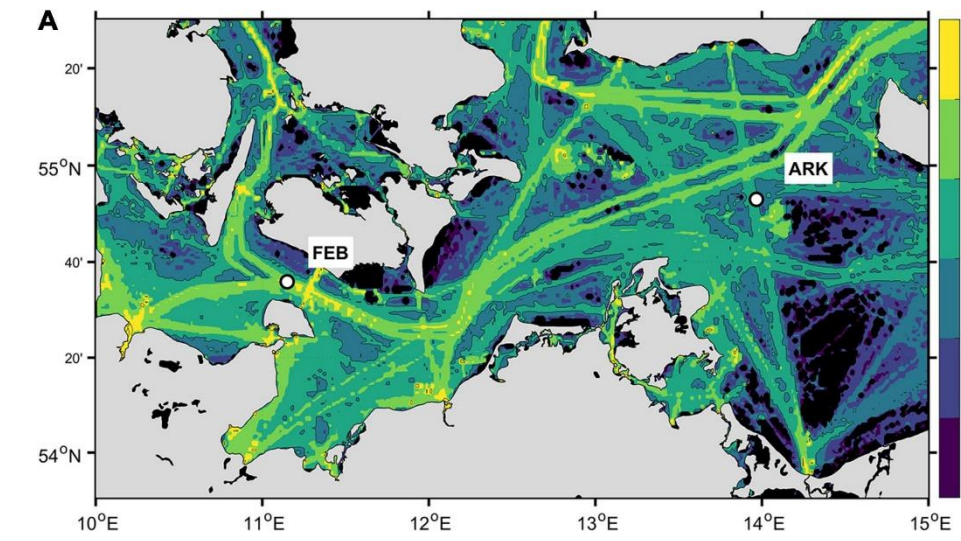
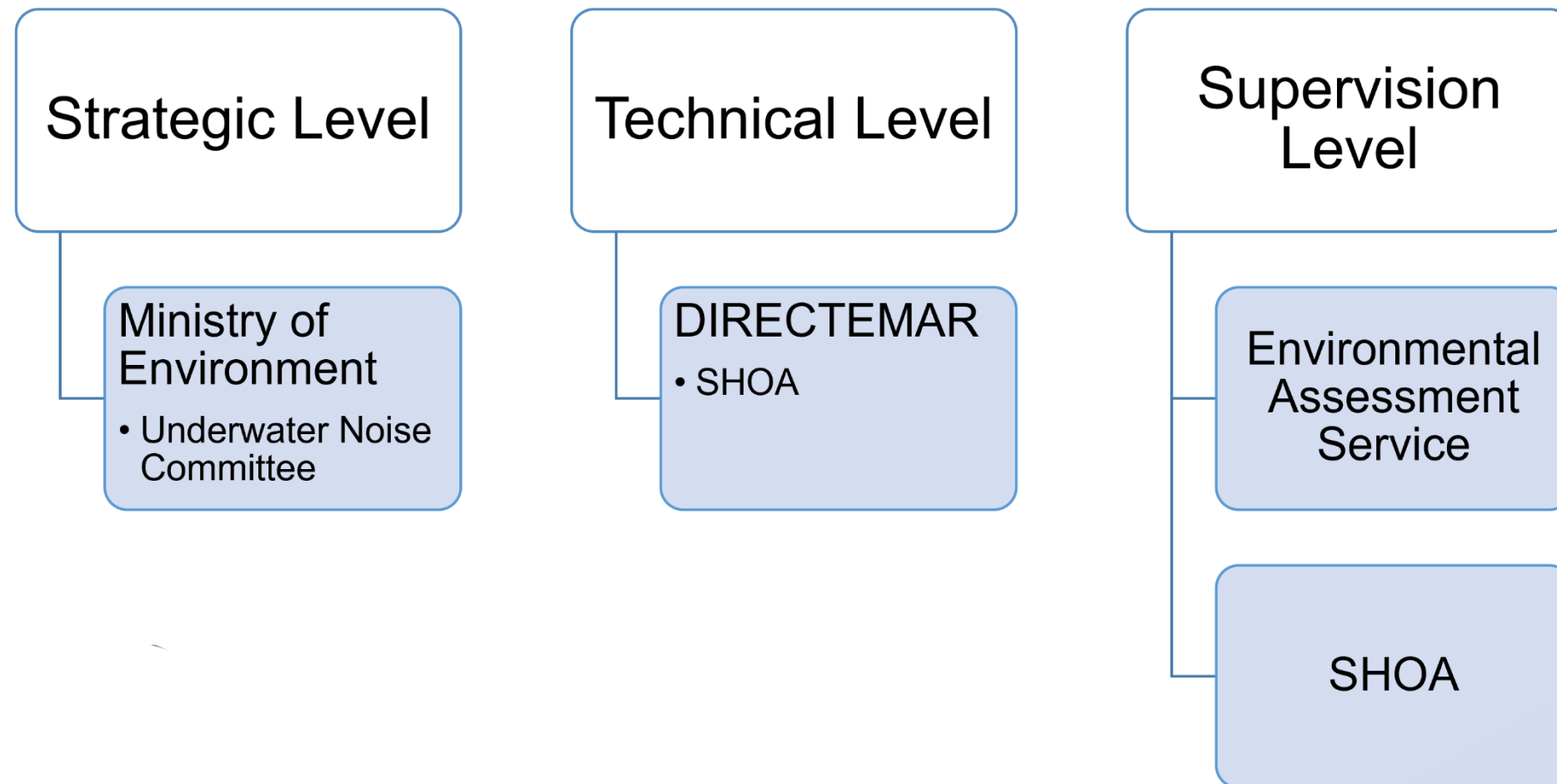
Underwater noise management in Chile



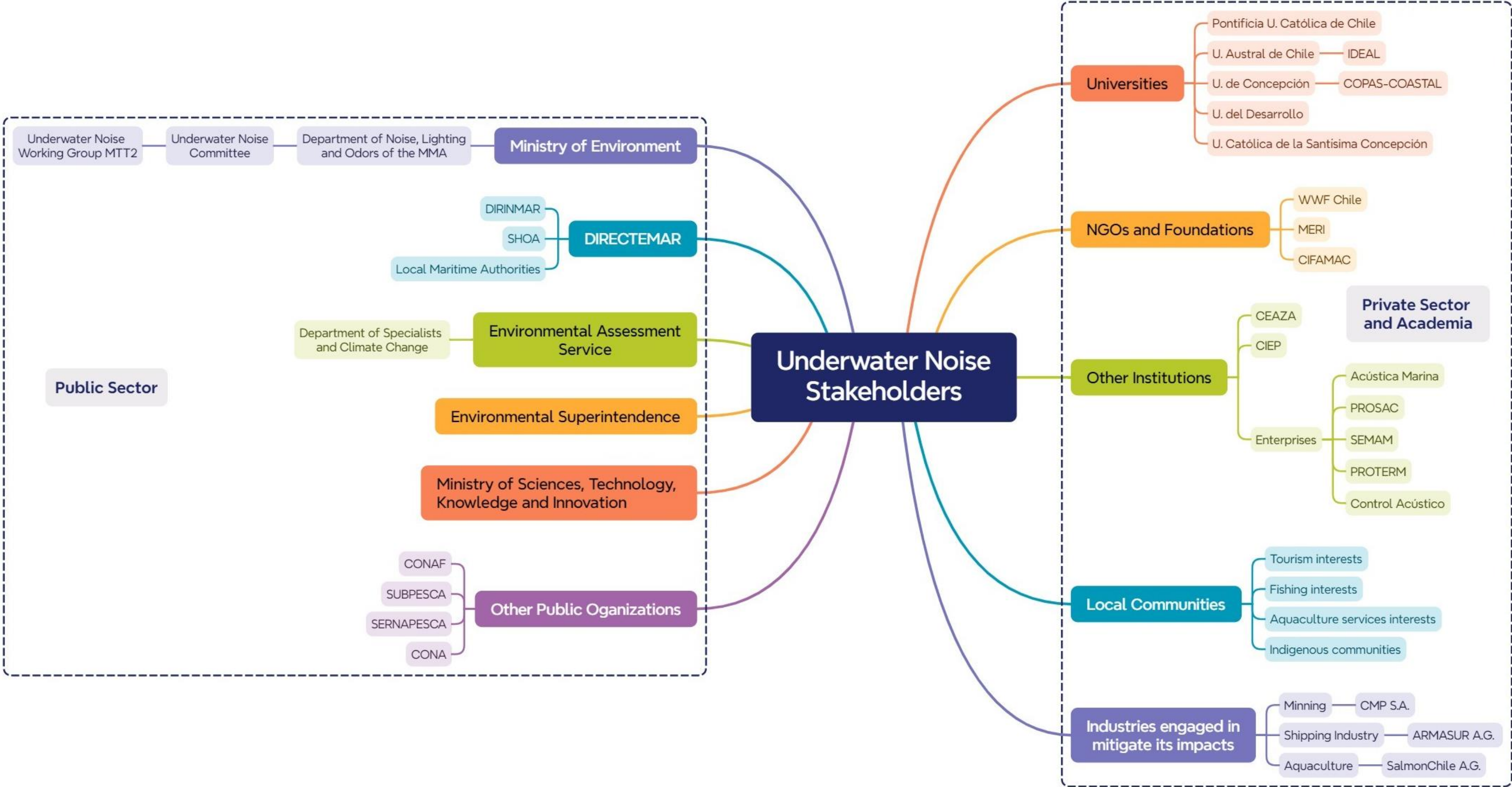
Underwater Noise Regulations

National Context

Underwater noise management in Chile



Underwater Noise Regulations



Challenges and opportunities in Chile towards adopting an international framework

Main Challenges

- ✓ Adaptation and implementation
- ✓ Industry involvement
- ✓ Financial constraints
- ✓ Awareness consolidation
- ✓ Knowledge and capacities development



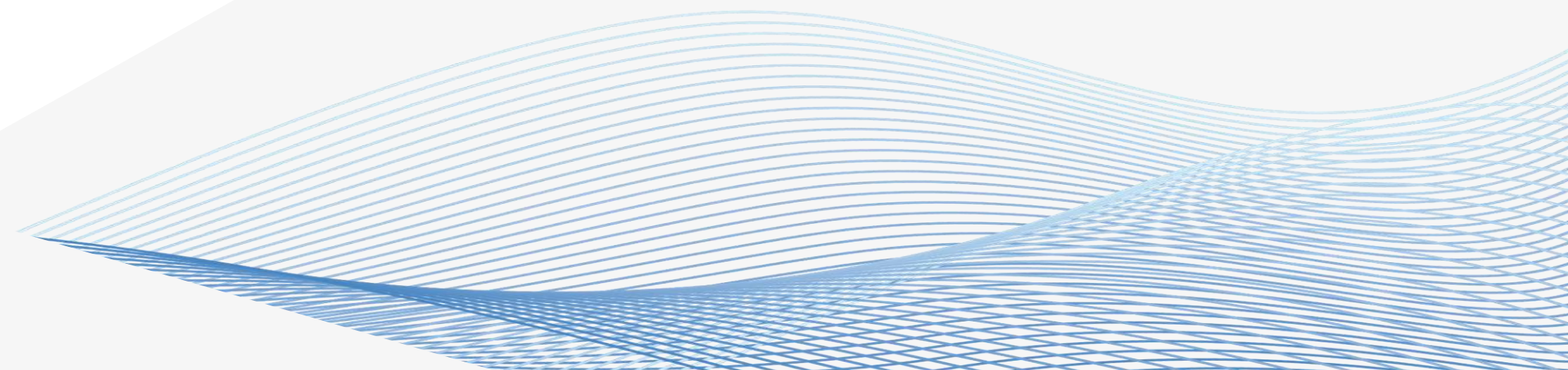
Challenges and opportunities in Chile towards adopting an international framework

Main Challenges

- ✓ Adaptation and implementation
- ✓ Industry involvement
- ✓ Financial constraints
- ✓ Awareness consolidation
- ✓ Knowledge and capacities development

Main Opportunities

- ✓ Regional and International cooperation
- ✓ Effective conservation of marine species
- ✓ Research improvement
- ✓ Place Chile as a Regional referent



Challenges and opportunities in Chile towards adopting an international framework

Main Challenges

- ✓ Adaptation and implementation
- ✓ Industry involvement
- ✓ Financial constraints
- ✓ Awareness consolidation
- ✓ Knowledge and capacities development

Main Opportunities

- ✓ Regional and International cooperation
- ✓ Effective conservation of marine species
- ✓ Research improvement
- ✓ Place Chile as a Regional referent





Jens-Peter und Betsy Schlüter-Stiftung
für Schifffahrt und Umweltschutz



End of the presentation

Gonzalo Jiménez Briones
MSc Candidate – OSGM