Figure 1. The holistic theoretical framework of sustainable port development
Figure 2. Flow sequence of methods employed in this research

1. Comprehensive literature review
2. Identification of sustainable port development indicators
3. Face validity through semi-structured interviews with Korean port managers
4. Prioritizing sustainable port development indicators via FAHP with Korean port managers
5. Results, discussion, and conclusions
Figure 3. The hierarchical structure of sustainable port development practices

Sustainable Port Development Practices

Internal Management
- Cost Savings
- Internal Social Program
- Optimized Operation Planning
- Internal Environmental Management

External Management
- External Evaluation Program
- External Social Program
- Environmental Collaboration with Shipping Companies
- External Environment Management