## Mining Transitions and Spatial Justice: Leveraging SEA for Equitable Outcomes



#### **ANA PAULA SOARES**

Instituto Superior Técnico — University of Lisbon Portugal

ana.s.soares@tecnico.ulisboa.pt







## Dimensions of Justice in Extractive Contexts

#### **Procedural Justice**

Focuses on who participates and when; often late or symbolic in mining decisions.

#### Distributive Justice

Examines unfair burden sharing; profits centralize while harms stay local.

#### **Recognition Justice**

Asks whose knowledge and values shape decisions.

## SEA's Potential in Mining Governance



#### Early Engagement

Intervenes before projects lock in decisions, allowing systemic analysis.



### **Systemic Thinking**

Considers cumulative and sector-wide social and environmental impacts.



#### **Justice Integration**

Potential to embed equity principles into decision frameworks.



## Justice-Driven SEA Principles

#### Map Spatial Inequalities

Identify who benefits or bears mining costs using visual tools and indices.

#### **Ensure Iterative Participation**

Make community engagement binding, continuous, and respectful of local protocols.

#### **Adopt Equity Indicators**

Measure procedural fairness, distribution of benefits, and recognition.

#### Link to Local Governance

Integrate Indigenous institutions and land councils into SEA processes. Long-term social safeguards.



### Emerging Justice-Oriented SEA Examples

#### Namibia – Uranium Mining Rush

SEA prevented water resource conflicts and ensured coordinated infrastructure development, benefiting local and national interests.(Source: IGF, 2024)

#### Ghana – Mining Sector SEA

SEA strengthened governance by promoting local-level mining offices, improving access for artisanal and small-scale miners.(Source: IGF, 2024)

#### Romania – Mine Closure Program

SEA ensured socially responsible mine closures and catalyzed new environmental safety legislation.(Source: IGF, 2024)

## Hard Governance Questions for SEA

#### **Avoid or Transform Conflict?**

Should SEA be about smoothing over resistance—or about changing the conditions that create it?

What Is Valid Evidence?

Do we treat oral histories, lived experience, and cultural values as data?

#### Whose Knowledge Counts?

Are we privileging technical experts, or elevating community worldviews in defining "impact"?

#### Can Justice Be Legitimate?

How do we embed justice without losing buy-in from regulators and investors?



## Reimagining SEA as a Governance Platform

Conflict-Sensitive Scoping

Identify power asymmetries early

Co-Produced Baselines

Whose knowledge defines impact?

Mixed-Method Metrics

Quantitative + qualitative evidence

Legitimacy Through Governance

Binding community oversight

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### PhD Research on Justice in SEA

#### **Comparative Cases**

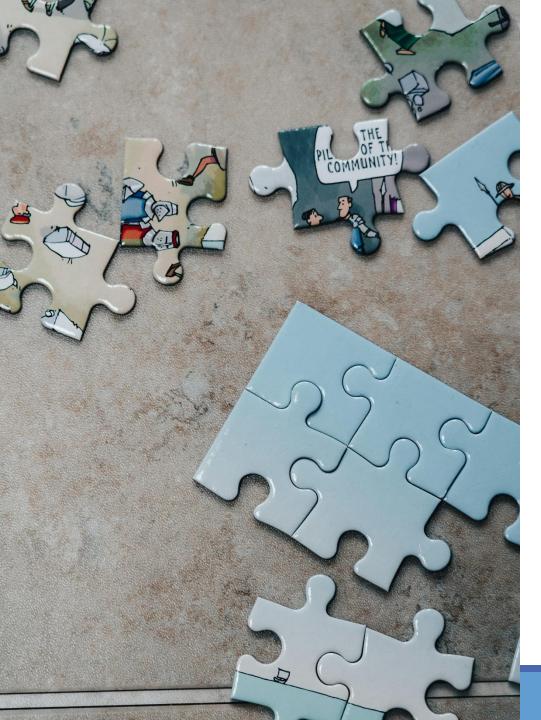
Cases to be selected focusing on mining governance challenges.

#### **Justice Metrics**

Participation depth, spatial equity, and responsiveness to community rights.

#### Purpose

Support adaptive reforms in SEA for socially responsive planning.



# Conclusion: Governing the Mining Transition

SEA must move beyond environmental modeling — it must become a proactive governance tool for shaping socially sustainable mining transitions.

This transformation fosters legitimacy, shared planning, and meaningful accountability.



### Let's continue the conversation!

Message me your questions or comments in the IAIA25 app.

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