

# **Jewelry Development Impact Index: Afghanistan and Myanmar**

**Carissa Chantiles, Samantha Hall, Aryn  
Keyel, and Sade Tuckett**

**Academic Supervisor: Hrach Gregorian, Ph.D., Director,  
IPCR Program, School of International Service**

# Statement of Work

---

- Objective: Human Security Impact in Afghanistan and Myanmar
  - How this impacts peoples' lives; vulnerabilities, etc.
- Continuation of research from Fall 2017
- Jewelry Development Impact Index (JDII)



# Outline

---

- Framework and Measurement
- Mining Context - History and Culture
- Environmental and Health Impact
- Human Rights Impact
- Governance Impact
- Economic Impact
- Responsible Sourcing
- Results

# FALL 2017 Jewelry Development Impact Index (JDII) Framework

## Politics & Government

Governance and Accountability

Transparency

Corruption

Industry Regulation

## Economy

Industry Employment

Taxation

Revenue Distribution

Diversification

Budget Sustainability

Beneficiation

## Environment & Health

Environmental Damage

Health

## Social, Cultural & Human Rights

Workers' Rights

Indigenous Rights

Women and Children's Rights

Use of Certification Programs

Conflict

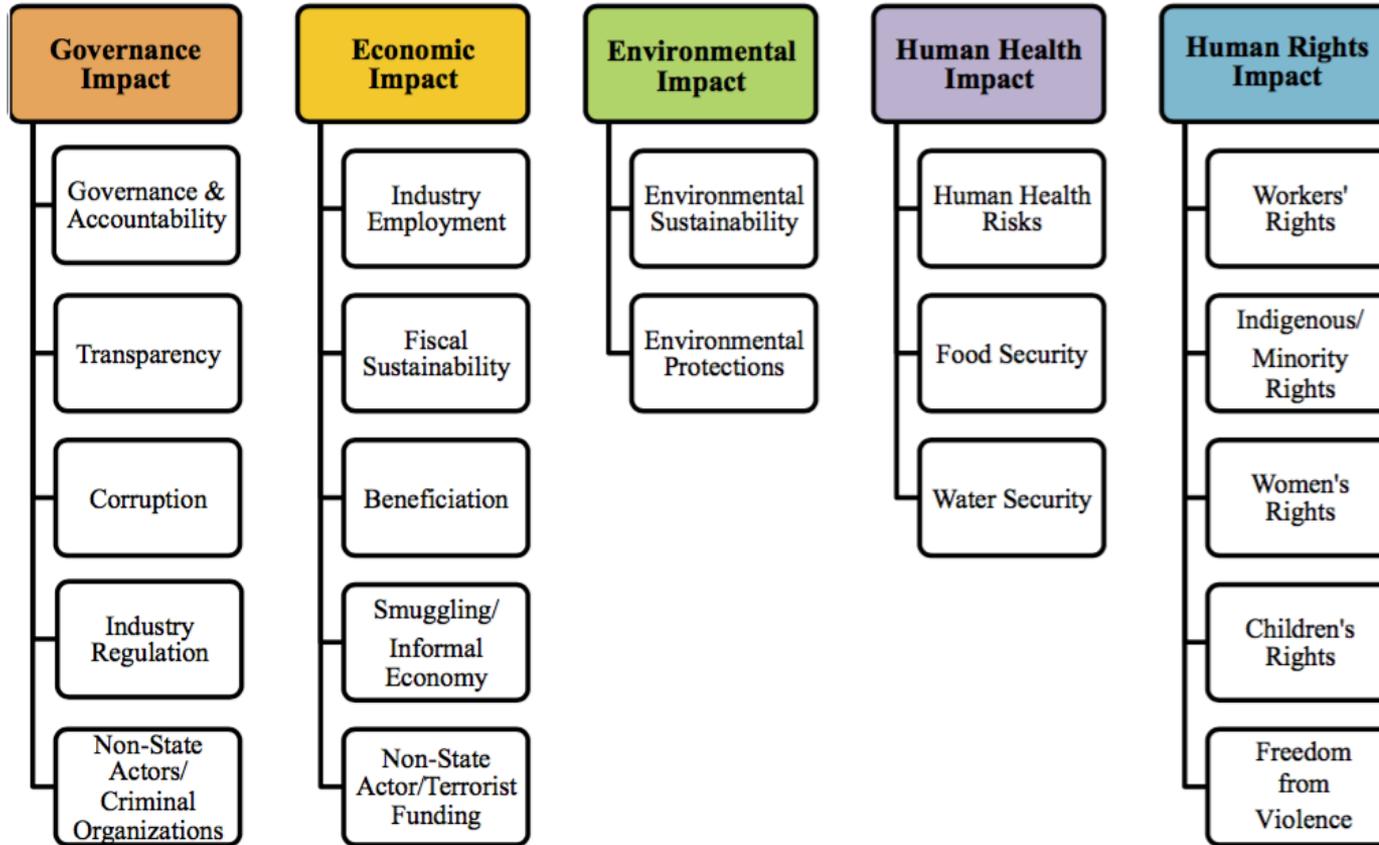
Presence of Criminal Organizations

Worse

Same

Better

# Framework & Methodology



5 = Excellent  
4 = Strong  
3 = Moderate  
2 = Weak  
1 = Very Weak  
NR = Not-ranked

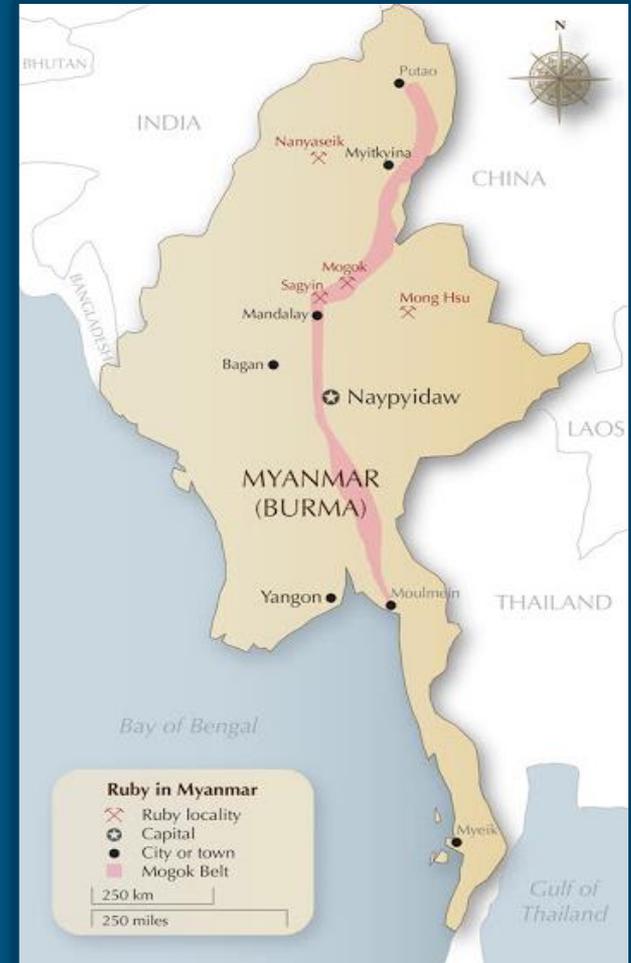
# Mining Context - Historical and Cultural

---

- Critical component of local communities
- Way of life; livelihoods
- Mines are considered sacred ground in Myanmar



# Mining Regions

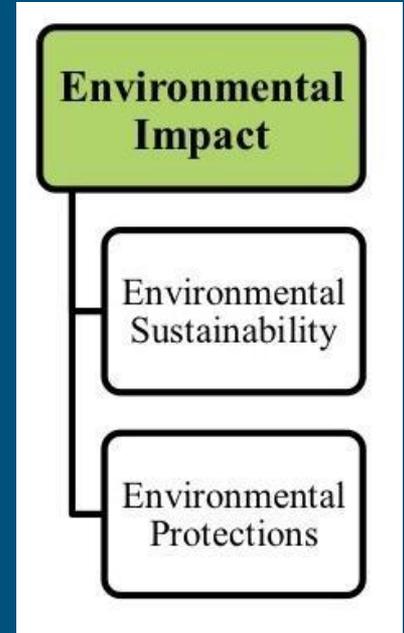


# Impact of Mining on the Environment and Human Health



# Impact of Mining on the Environment

	<u>Afghanistan</u>	<u>Myanmar</u>
Environmental Sustainability	Moderate	Weak
Environmental Protections	Weak	Moderate



# Impact of Mining on Human Health

Afghanistan

Myanmar

Health and Safety	Very Weak	Weak
Food Security	Very Weak	Weak
Water Security	NR	Weak

**Human Health  
Impact**

Human Health  
Risks

Food Security

Water Security

# Impact of Mining on Human Rights



# Impact of Mining on Human Rights

## Afghanistan

## Myanmar

	<u>Afghanistan</u>	<u>Myanmar</u>
Workers' Rights	Weak	Weak - Moderate
Indigenous/Minority Rights	NR	Moderate
Women's Rights	Very Weak	Moderate - Strong
Children's Rights	Very Weak - Weak	Weak - Moderate
Freedom from Violence	Weak	NR

### Human Rights Impact

Workers' Rights

Indigenous/  
Minority Rights

Women's Rights

Children's Rights

Freedom from Violence

# Impact of Mining on Governance



# Impact of Mining on Governance

Afghanistan

Myanmar

Governance and Accountability	Very Weak	Very Weak
Transparency	Very Weak	Weak
Corruption	Very Weak	Weak
Industry Regulation	NR	Weak
NSA/Terrorist Presence	Very Weak	Moderate

**Governance  
Impact**

Governance &  
Accountability

Transparency

Corruption

Industry Regulation

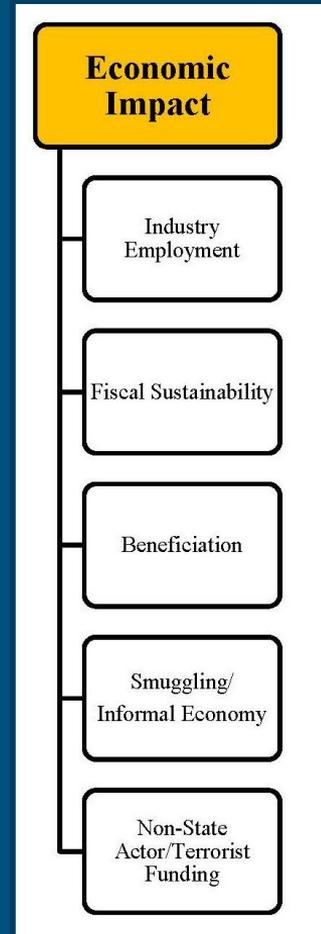
Non-State  
Actors/Criminal  
Organizations

# Impact of Mining on Economy



# Impact of Mining on Economy

	<u>Afghanistan</u>	<u>Myanmar</u>
Industry Employment	Weak	Moderate
Fiscal Sustainability	Very Weak	Moderate
Beneficiation	NR	Very Weak
Smuggling/Informal Economy	Very Weak	Very Weak
Non-State Actor/Terrorist Funding	Very Weak	Strong



# Responsible Sourcing

- Growing demand of responsible minerals
  - Kimberley Process, but stronger
- Very minor presence of responsible sourcing.
- “Genocide Gems”
  - Potential sanctions
- Difficulty of sourcing origins

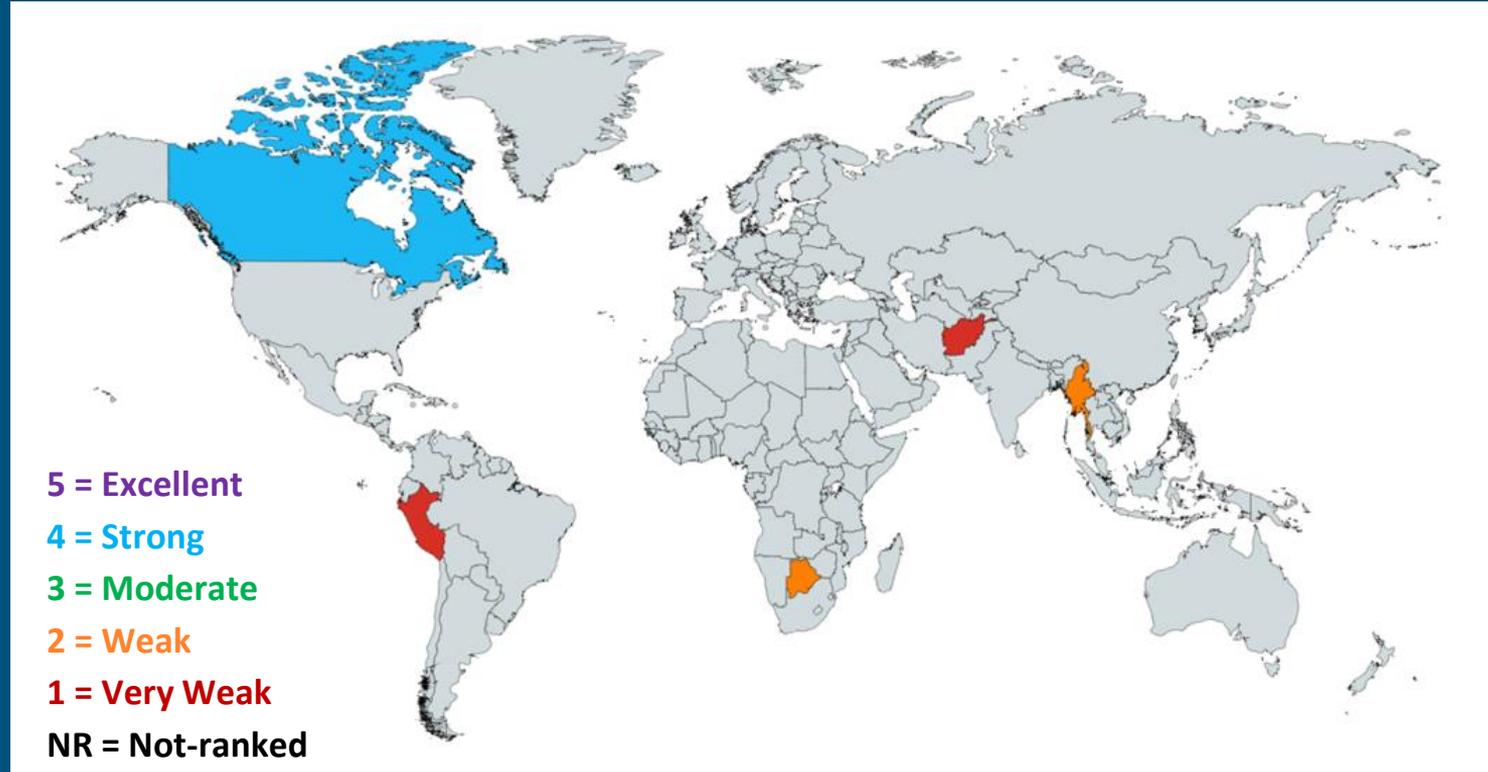


A close-up photograph of a person's hand held palm-up, showing a small cluster of colorful, translucent particles (pink, purple, blue, and white) resting on the palm. The hand is positioned over a metal sieve that is filtering a large quantity of similar particles. The background is a dense field of these particles, which appear to be small, multi-colored beads or crystals. The lighting is bright, highlighting the textures of the skin, the particles, and the metal sieve.

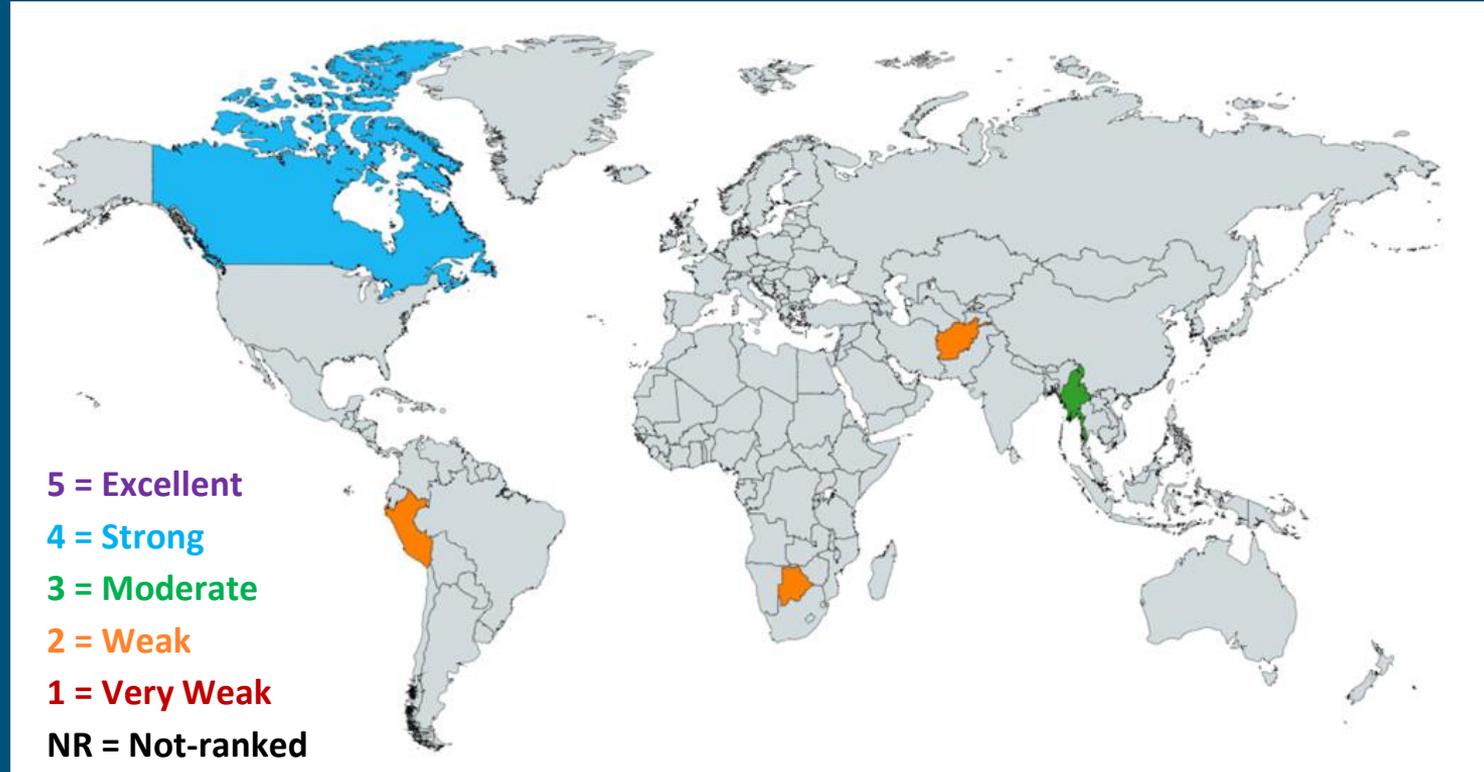
RESULTS



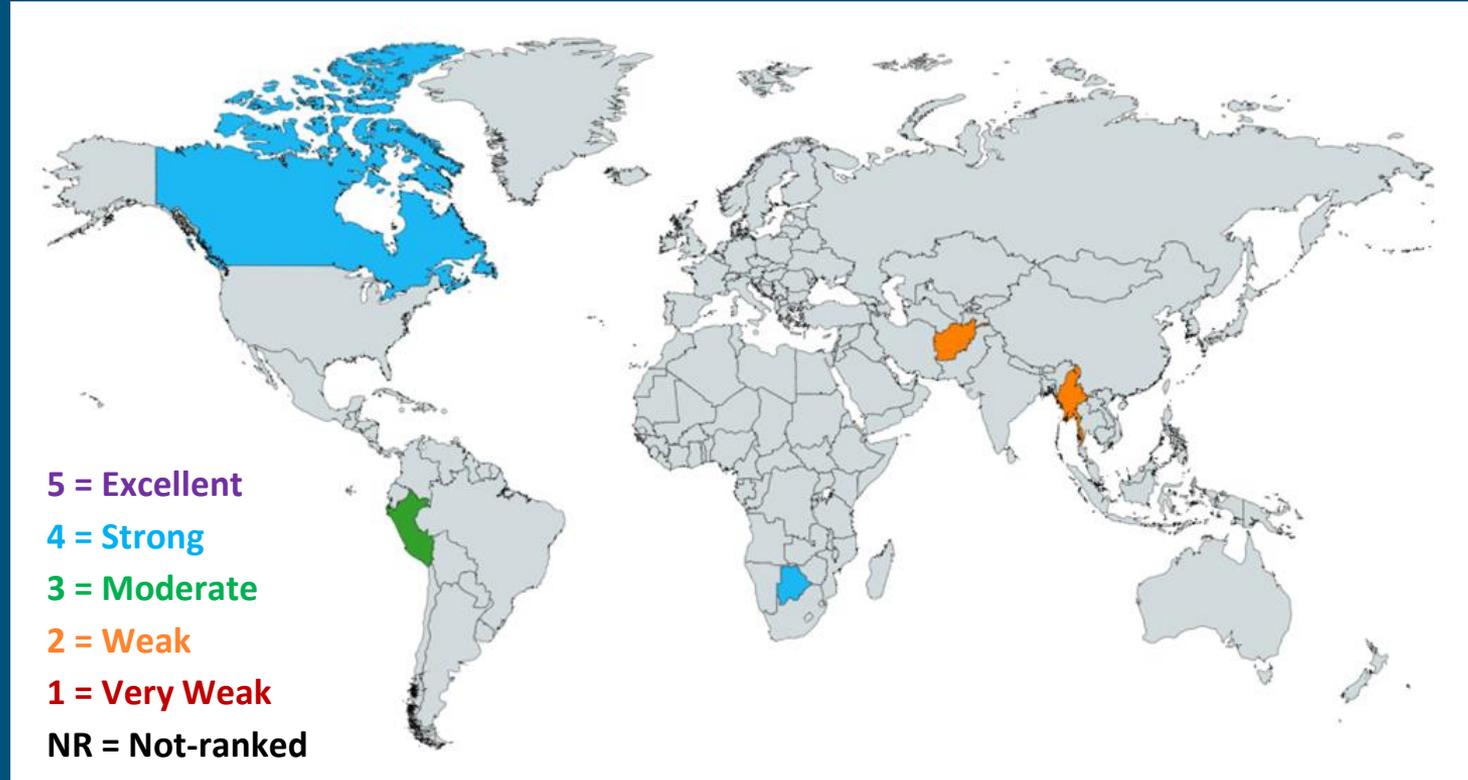
# Human Health Impact



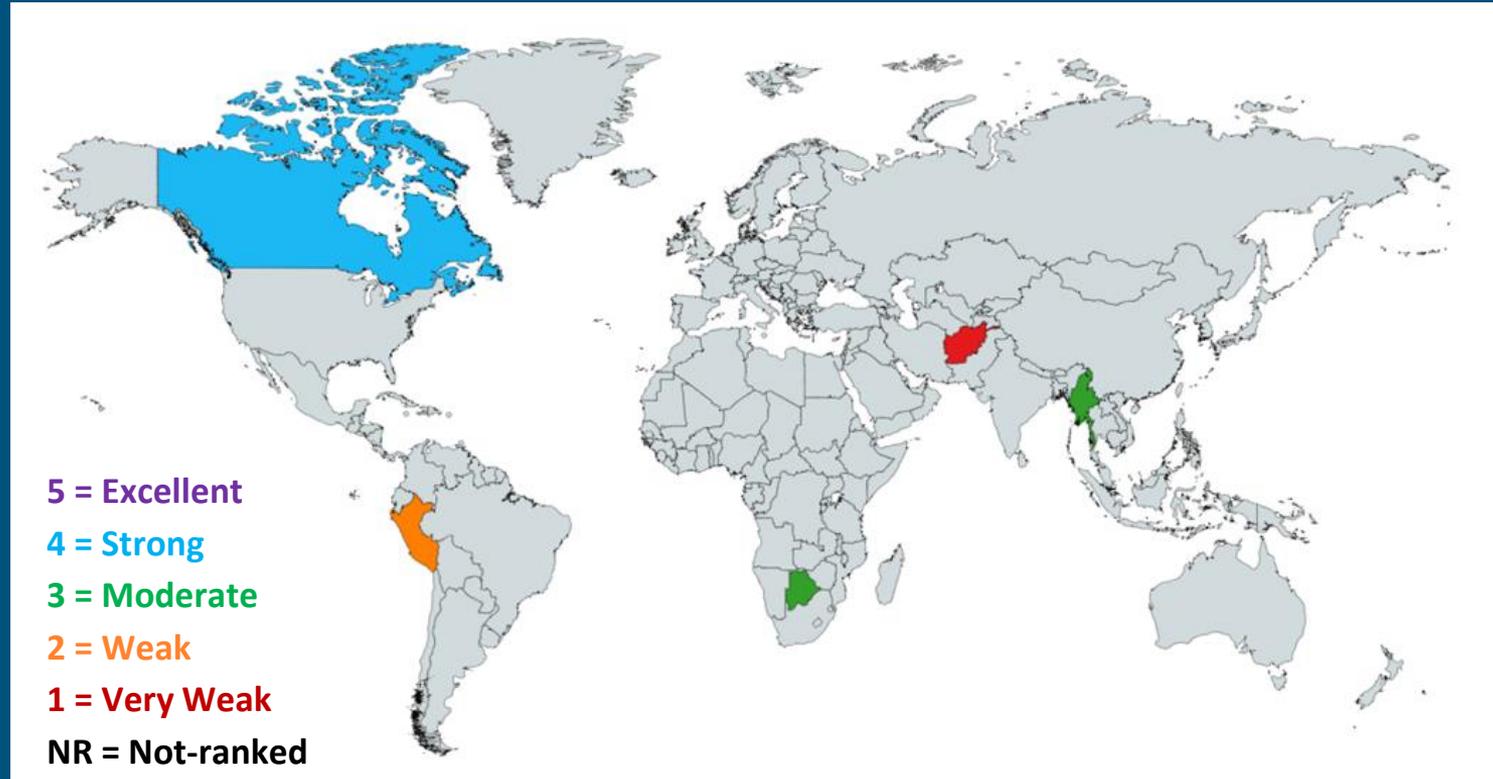
# Human Rights Impact



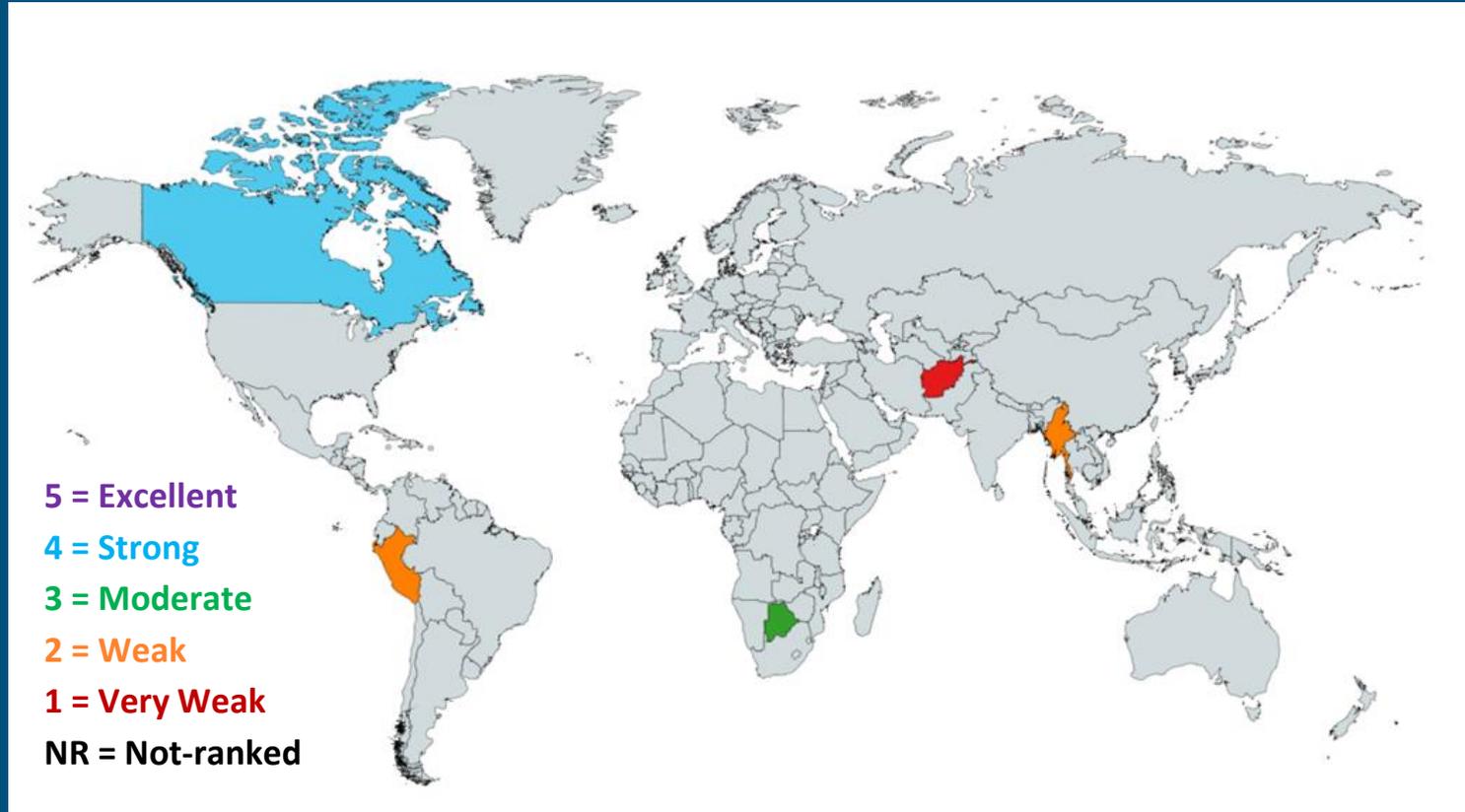
# Governance Impact



# Economic Impact



# Cumulative JDII Score



# QUESTIONS?

