

# Just Transformation and KSEIA



2023.12.5



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2024.4.27

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# Just Transformation

**Just:** fair; morally correct

**Transformation:** a complete change in the appearance or character of something or someone, especially so that that thing or person is improved

Source: Cambridge Dictionary

**Just Transformation:** radical shifts in social–ecological system configurations through forced, emergent or deliberate processes that produce balanced and beneficial outcomes for both social justice and environmental sustainability.

**Source: Just Transformations to Sustainability**

by **Nathan J. Bennett, etc.**, *Sustainability* 2019, 11(14)

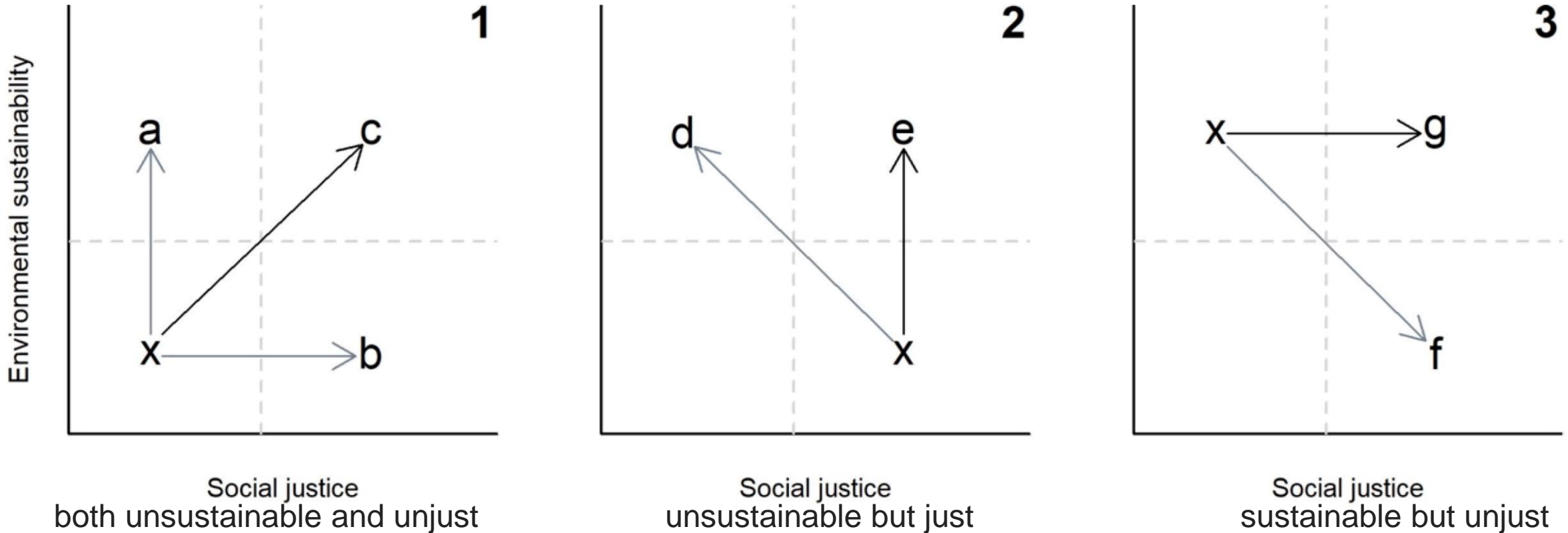
**Figure. Heuristic models of transformations from Initial social–ecological system states (x) towards Future states.**

The dark arrows: just transformations

The lighter arrows: no just transformations that privilege either environmental sustainability or social justice.

**Environmental sustainability:** environmental health, ecosystem productivity, biodiversity, etc.

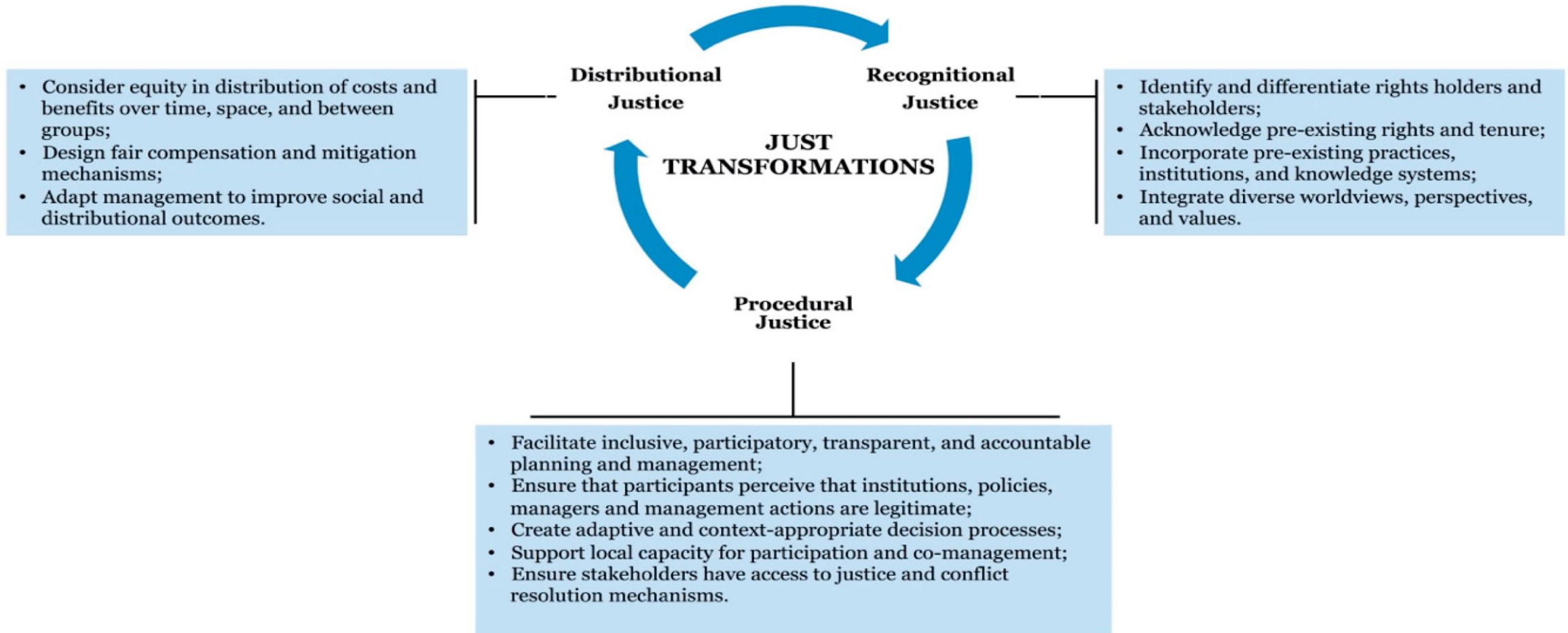
**Social justice:** distribution of wealth, opportunity and privileges, etc.



**Source: Just Transformations to Sustainability**

by **Nathan J. Bennett, etc.**, *Sustainability* 2019, 11(14)

**Figure. Just transformation** management consists of deliberate governance processes and actions taken to shift systems towards environmental sustainability and social justice outcomes in ways that account for **recognitional, procedural and distributional concerns**



**Source: Just Transformations to Sustainability**  
by Nathan J. Bennett, etc., *Sustainability* 2019, 11(14)

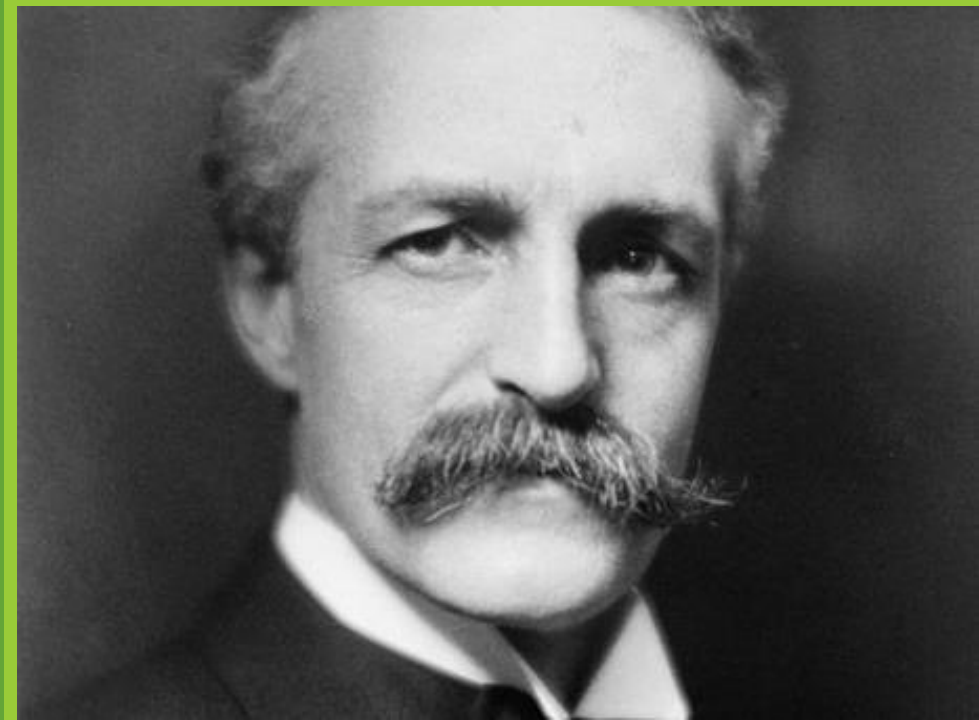
**Biocentrism: John Muir (1838-1914)**

“The universe would be incomplete without man; but it would also be incomplete without the smallest transmicroscopic creatures that dwells beyond our conceitful eyes and knowledge.”



**Anthropocentrism: Gifford Pinchot (1865-1946)**

“Conservation meant the wise and efficient use of natural resources for the benefit of people.”

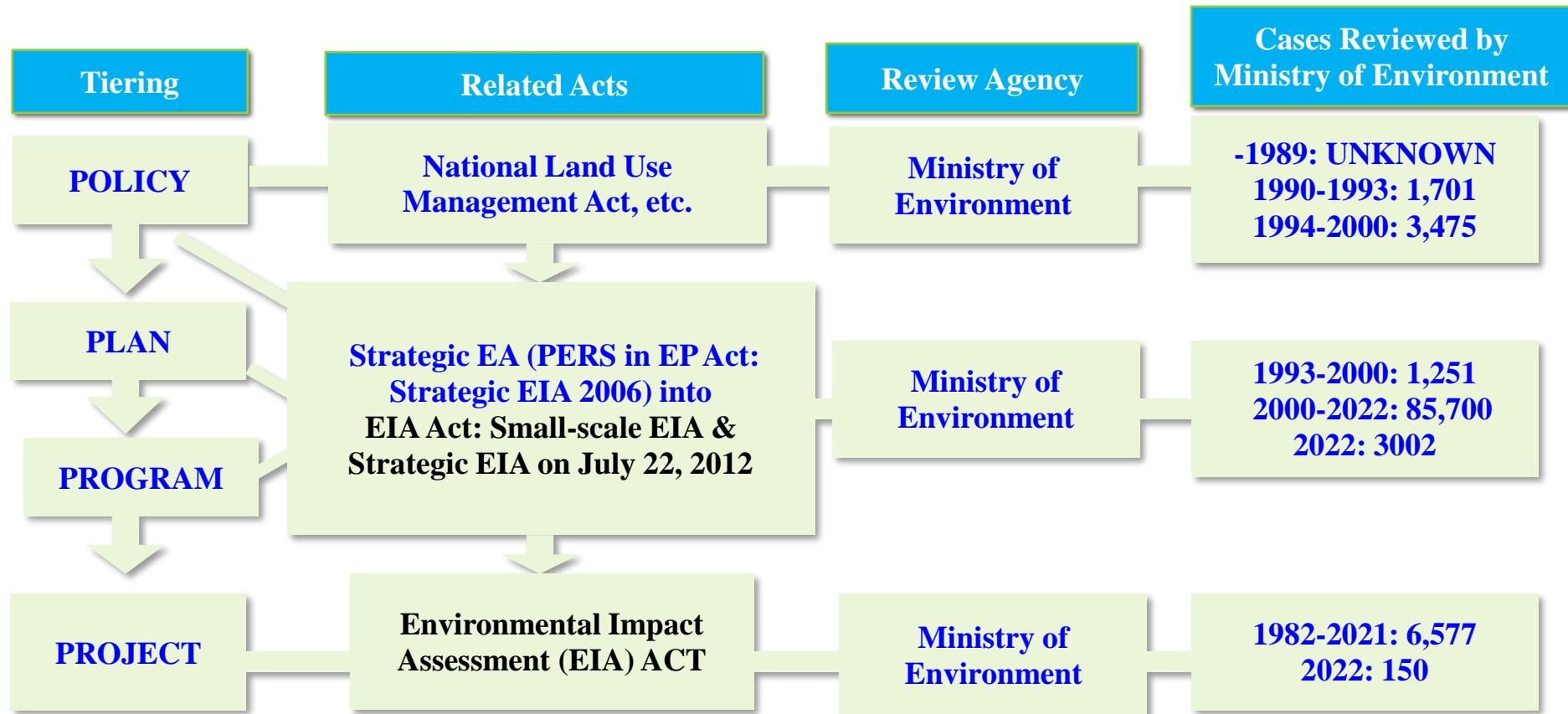


**Current and Future?**

# Korean EIA

Korean EIA has improved over the past **four decades**.

By instituting **public participation** and environmental monitoring, developing methodologies, and introducing strategic environmental assessment and **health impact assessment**. **The shift is just transformation?**

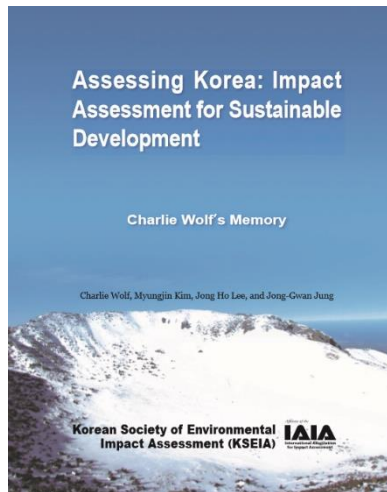


# KSEIA Play



IA can play in **'sustainable future'** for securing and sustaining **'the future we want'** (Kim and Wolf 2014).

KSEIA (Korean Society of EIA) established in 1992 as IAIA affiliate provides a responsible IA tools and facilitate opportunities for sustainable future.





# Just Transformation?



## KSEIA

- 1992 •Established: June 18  
•EIA Journal: 11. 25
- 1993 •1st Ko-Germany EIA
- 2003 •1st Ko-Japan(-fifth)  
2005 •IAIA Affiliate
- 2007 •1st Ko-Vietnam (-sixth)
- 2011 •1st K-C-J EIA(-sixth)
- 2012 •20th Anni. Vision  
•Gangnam Style
- 2014 •EIA Textbook
- 2017 •1st KCJV(6th K-V)  
•Assessing Korea: Charlie Wolf' s Memory
- 2022 •30th Anniversary  
•149 EIA Journal no.
- 2023 •7th Korea Vietnam Con.

## Sustainable D

- 1969 • NEPA: Environment and Human Impact
- 1980 • Sustainable Economic Development
- 1987 • Development meets the Present Needs
- 1992 • More Balanced, Sustainable Future
- 2002 • Linkages between IA and SD Agenda
- 2012 • Action to Create a Better Future for All
- 2022 A Healthy Planet for the Prosperity of ALL

## Korean EIA

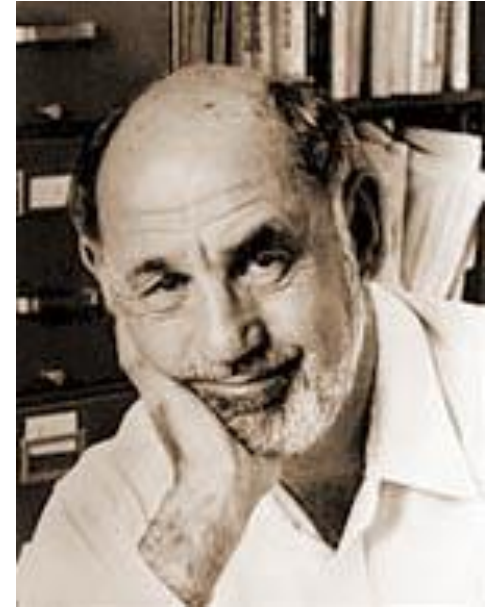
- 1963 •Pollution Control Act
- 1977 •Environment Preservation Act
- 1990 •Environmental Policy Act
- 1993 •EIA Act
- 2000 •IA Act on Environment, Traffic, Disasters, etc.
- 2009 •EIA Act
- 2012 •Revised: SEIA
- 2016 •Revised: screening and tiering in SEIA
- 2022 • Climate change IA  
• Communication



2008.1.19 이사회(강 화도 정용 초대회장님덕)

# Uncertain knowledge and the consequent contestation

- Douglas and Wildavsky's warning about the challenges to IA based on **uncertain knowledge and the consequent contestation** of assessment results remain salient.



		Knowledge	
		Certain	Uncertain
Consent	Complete	Problem: Technical  Solution: Calculation	Problem: Information  Solution: Research
	Contested	Problem: (dis)Agreement  Solution: Coercion or Discussion	Problem: Knowledge and Consent  Solution: ?

Risk and Culture, 1983

# January 25, 2008 Declaration to Government of the Pan-Korea Grand Canal EIA

## 대운하에 대한 한국환경영향평가학회의 입장

새해부터 한반도대운하에 대한 전문가들 사이의 찬반논쟁과 함께 국민 여론도 양분되고 있다. 찬성하는 측은 대운하의 효과와 혜택을 집중적으로 부각하고 있으나, 반대하는 측은 대운하의 부작용에 대한 우려를 최대한 부각시키고 있다.

1987년 대통령 선거공약으로 제안된 새만금사업에 대해, 환경영향평가가 제대로 시행되지 않고 국민적 합의가 이뤄지지 않아, 엄청난 사회적 갈등과 공사기간연장에 따른 막대한 예산 낭비가 있었다는 사실을 우리 국민들은 잘 기억하고 있다. 그리고 2002년 대통령 선거공약으로 제안된 신행정수도건설 역시 국민여론의 분열과 위헌 여부로 엄청난 국력의 낭비가 있었다는 사실 또한 국민들은 분명하게 기억하고 있다.

대운하사업의 제안자측은 환경영향평가와 대운하 착공을 1년 만에 실시한다고 밝히고 있다. 이에 부응하여 건설교통부는 대운하사업을 기정사실화하고 현행 법률에 의한 경우 환경영향평가나 문화재 조사, 기타 행정절차에 상당한 기간이 필요하다고 보고, “대운하관련 특별법” 제정에 의한 추진을 개진한 바 있다.

환경영향평가를 연구하고 수행하는 전문가들로 구성된 한국환경영향평가학회는 대선공약에 따른 대형 국책사업들이 충분히 검토되지 않고 조급하게 시행되다가 초래되었던 폐해가 대운하 사업에서는 반복되지 않도록, 다음과 같이 법과 원칙의 준수를 강조하는 입장을 밝히고자 한다.

**첫째, “대운하관련특별법” 제정으로 대운하사업을 조급하게 진행하지 않도록 촉구한다.**  
대운하사업처럼 사업자와 사업계획이 구체적으로 결정되지 않은 계획초기단계에서는 환경정책기본법에 따라 계획의 적정성, 입지의 타당성, 주변환경과의 조화 등에 대한 사전환경성검토를 실시하도록 되어 있다. 사업자가 선정되고 사업계획이 수립된 후에는 환경교통계획 등에 관한 영향평가법에 따라 환경영향평가를 실시하도록 되어 있다.  
따라서 특별법제정으로 현행법이 요구하는 검토와 평가의 절차를 약화시키거나 생략하여 조급하게 대운하사업을 진행할 것이 아니라, 외국의 운하건설시 이뤄졌던 환경평가과정을 변질하게 검토하고 사전환경성검토를 실시한 후 환경영향평가를 실시할 것을 촉구한다.

**둘째, 과학적 전문성을 토대로 정확하고 공정하게 사전환경성검토와 환경영향평가를 실시할 것을 촉구한다.**

대운하사업은 새만금사업이나 신행정수도건설과는 달리 전국토를 대상으로 하는 초대형 개발사업이기 때문에, 회복할 수 없는 재앙이 초래될 수 있다는 주장이 거세게 제기되고 있다. 따라서 경제적 타당성, 환경경제, 생태적 측면에 대해 정확하고 공정하게 검토하고 평가하기 위해서, 다양한 입장을 가지는 주체의 참여와 감시, 설명회, 공청회, 관련정보의 공개를 통한 의사결정의 투명성 보장을 강력하게 요청한다.

2008년 1월 25일  
한국환경영향평가학회



# KSEIA for Just Transformation

- The future of impact assessment is the future of KSEIA.
- KSEIA activities may focus on enhancing the academic knowledge and **communicating with stakeholders** for a just transformation society.



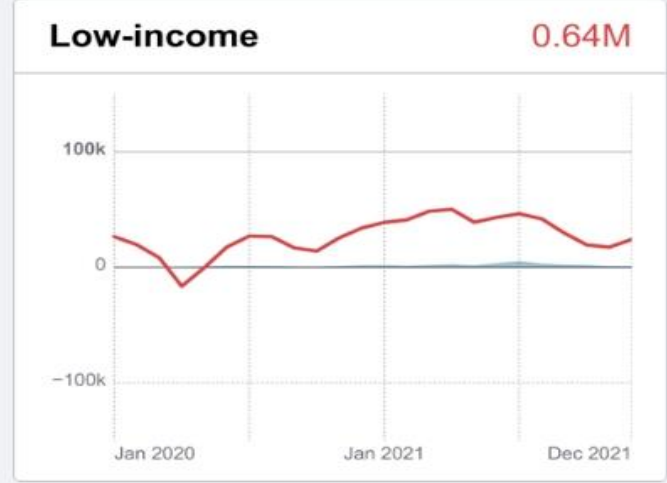
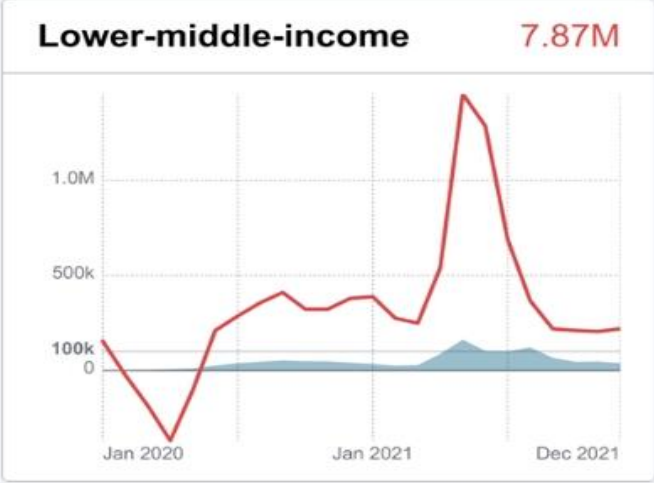
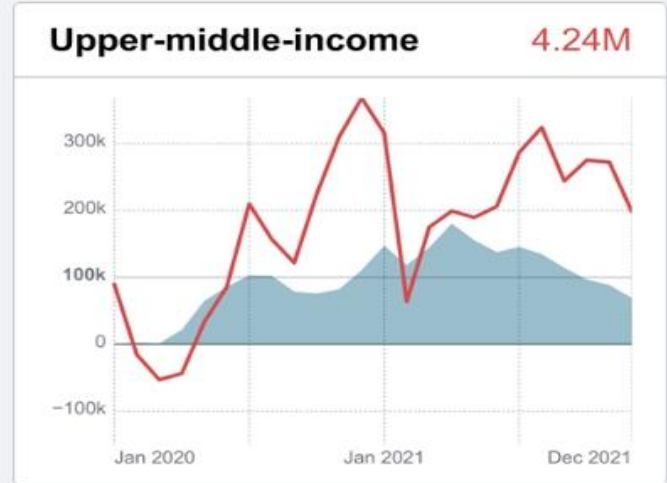
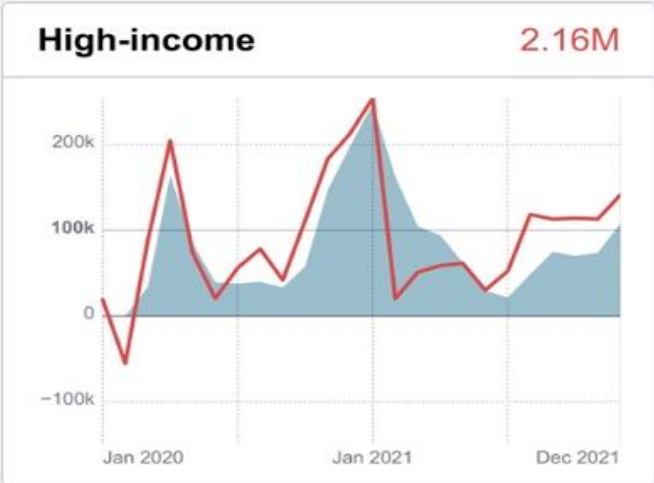
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**March 26, 2024 - Baltimore Key Bridge  
collapses  
after ship collision**



**Figure. The difference between reported deaths and excess mortality in World Bank income groups**

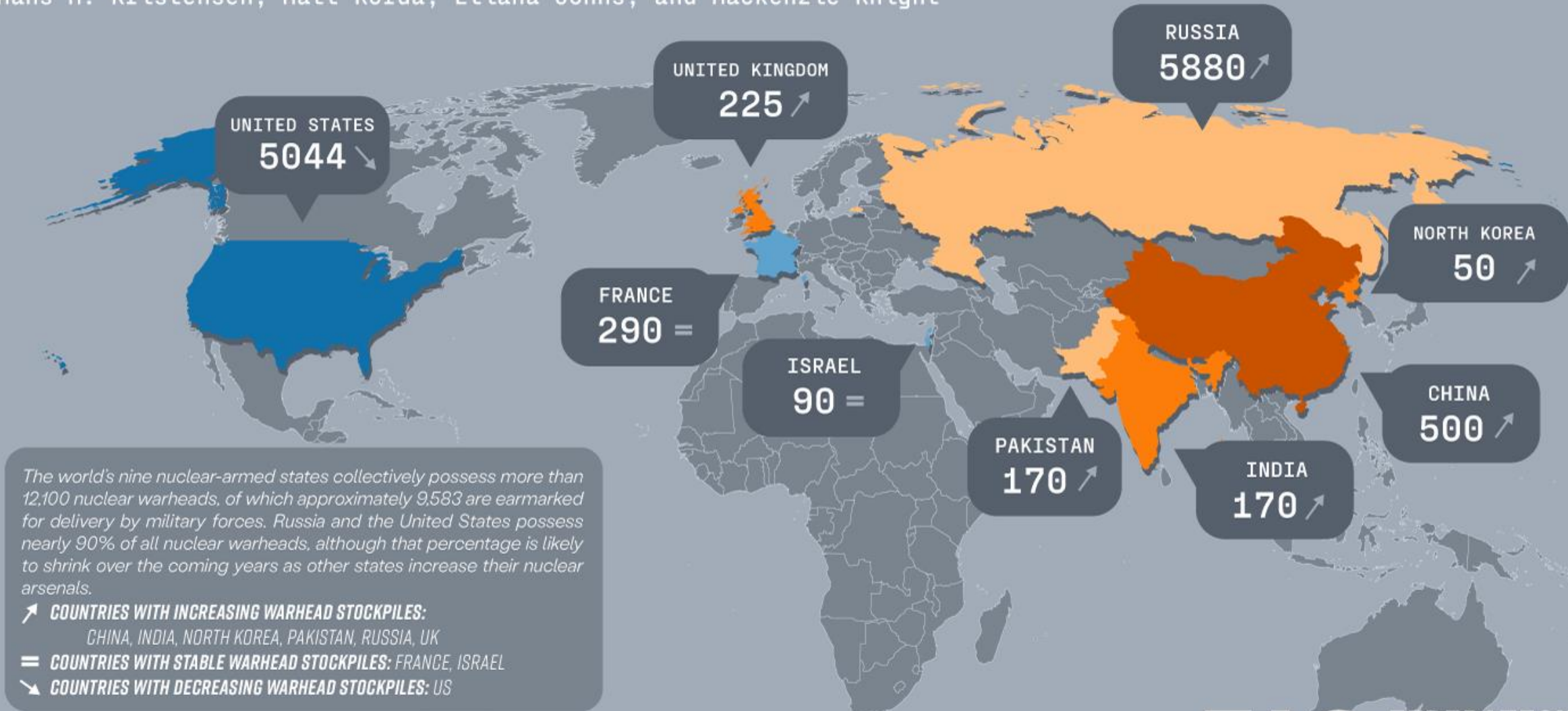
Associated with COVID-19  
January 2020 - December 2021  
Global excess deaths: 14.91 m  
Reported COVID19 Deaths: 5.42 m  
WHO, May 2022





# Estimated Global Nuclear Warhead Inventories, 2024

Hans M. Kristensen, Matt Korda, Eliana Johns, and Mackenzie Knight



Numbers show estimated total nuclear warhead inventories, which include stockpiled warheads for use by military forces, warheads held in reserve, and retired warheads in queue for dismantlement. Of the 9,583 warheads in global military stockpiles, about 3,880 are deployed on ballistic missiles and at bomber bases. Approximately 2,000 warheads on ballistic missiles are on alert and can be launched on short notice.

# Let's continue the conversation!

Post questions and comments in the IAIA24 app.



**#iaia24**

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