

## Energy Economics USAEE/IAEE North American Conference

### 참석 결과 보고

#### 1

#### 출장 개요

- 출장자: 부교수 김영재
- 출장기간: 2023. 11.5-11.9 (5일간)
- 출장지: 미국 시카고 (여행 일정: 표 1참조)
- 출장목적: Energy Economics USAEE/IAEE North American Conference 참석 (시카고): Top-tier 학회 참석
  - o 논문 발표: Is the discovery of oil a blessing or curse in the era of climate change? (발표 스케줄 1 & 발표 자료 2 & 학회 참석자 명단 3 참조)
  - o 논문 토론: Education and its relationship to environmental sustainability in resources-based economy
  - o 관심세션 참석, 최근 연구동향 파악, 학회 참석자들과의 연구 교류, 연구정보 수집 등

#### 2

#### 활동 내용

#### 1. 논문 발표

Is the discovery of oil a blessing or curse in the era of climate change?

Yeong Jae Kim & Seong-Hoon Cho

### **Summary:**

The decades-old question of whether oil is a blessing or a curse to countries that discover it has received much attention in the literature on energy and resource economics and policy. Despite the contributions of the resource curse literature and its critique, the global consensus to address climate change by reducing emissions from fossil fuels poses a new challenge to the extractives-led growth strategies. This research analyzes the ways oil discoveries influence carbon emissions differently in countries with contrasting institutional quality. Our results show that the significant and intensifying treatment effects of finding oil over time lead to an increase in carbon emissions in low institutional quality countries, while such effect is not significant in high institutional quality countries. The carbon curse triggered by detrimental effects of low institutional quality encourages improving a government's ability to provide sound policies and regulations to promote private sector development. Such ability is the focal point between neoclassical economics and developing societies that served to reveal the institutional underpinnings of market economies for high-quality growth. Beside high-quality growth, our finding reveals supplementary motivation for the quality of government, which helps mitigate the carbon curse triggered by finding oil.

## **2. 논문 토론**

Education and its relationship to environmental sustainability in resources-based economy

NAJLA ALMUTAIRI, King Saud University, Riyadh, Central area, Saudi Arabia

The current study aims to examine both linear and non-linear impact of education on environmental degradation providing new empirical evidence by considering the resources-based economy. The estimates of ARDL model identify that education has

asymmetric impact on environmental damages. This implies the level of economic development plays a critical role in determining the kind of relationship of education to environmental quality. The empirical results suggest that education has a prominent role of increasing society's consciousness concerning environmental matters and understanding the significance of conserving environment as a global responsibility. To achieve SDGs objectives, considerable attention needs to be directed to raise environmental education and to be considered into energy and environmental policies.

### 3. 관심세션 참석, 최근 연구동향 파악, 학회 참석자들과의 연구 교류, 연구 정보 수집 등

- 학회 중 Argonne National Laboratory에서 연구 중인 Jonghwan Kwon 박사님 및 Lawrence Berkeley National Laboratory에서 연구 중인 Jame Hyungkwan Kim 만나 뵙고 최신 연구 동향 공유 및 파악
- MIT 박사과정에서 연구 중인 Hanna Won 만나서 진행 중인 연구에 대해서 파악
- Resources for the Future 에서 근무 중인 Beia Spiller 박사님도 만나뵙고 교통분야의 탈탄소에 대한 연구에 대해서 파악

**표 1. 여행 일정**

월일 (요일)	출발지	도착지	방문기관	업무수행내용
2023.11.5	Incheon	Chicago	Chicago	학회 참석
2023.11.8	Chicago	Incheon	Chicago	학회 참석