

Resource Guide for East Asia – Prepared for the Global Teacher Seminar 2019

Global Environmental Issues: The Problems, Solutions and Potential Outcomes

Overall/General

1. **Global Footprint Network- Advancing the Science of Sustainability**
 - <https://www.footprintnetwork.org/>
 - Global Footprint Network is a research organization that is changing how the world manages its natural resources and responds to climate change.

2. **Human Rights Watch- The Environment**
 - <https://www.hrw.org/topic/environment>
 - Human Rights Watch investigates and reports on abuses happening in all corners of the world, including the environment.

3. **United Nations Environment Program**
 - <https://www.unenvironment.org/>
 - The United Nations Environment Program (UN Environment) is the leading global environmental authority that sets the global environmental agenda, promotes the coherent implementation of the environmental dimension of sustainable development within the United Nations system, and serves as an authoritative advocate for the global environment.

4. **International Union for Conservation of Nature**
 - <https://www.iucn.org/>
 - The International Union for Conservation of Nature (IUCN) is a membership Union uniquely composed of both government and civil society organizations. It provides public, private and non-governmental organizations with the knowledge and tools that enable human progress, economic development and nature conservation to take place together.

5. **The State of the World's Forests 2018 - Forest pathways to sustainable development**
 - Food and Agriculture Organization of the United Nations
 - <http://www.fao.org/state-of-forests/en/> (A free downloadable report)
 - Achieving the 2030 Agenda for Sustainable Development, including the 17 Sustainable Development Goals (SDGs), is a commitment made by countries to tackle the complex challenges we face, from ending poverty and hunger and responding to climate change to building resilient communities, achieving inclusive growth and sustainably managing the Earth's natural resources.

6. **Global Forest Resources Assessment 2015- How are the world's forests changing? (Second edition)**
 - <http://www.fao.org/3/a-i4793e.pdf> (A free downloadable report)
 - This publication contains a summary of key findings of how forests, forest management and uses have changed over the past 25 years.

7. **Global Forest Watch**
 - <https://www.globalforestwatch.org/>
 - <https://youtu.be/ITG-0brb98I>
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- Global Forest Watch (GFW) is an online platform that provides data and tools for monitoring forests. By harnessing cutting-edge technology, GFW allows anyone to access near real-time information about where and how forests are changing around the world.

8. Climate 101: Deforestation | National Geographic Video

- <https://youtu.be/lc-J6hcSKa8>
- Forests cover about 30% of the planet, but deforestation is clearing these essential habitats on a massive scale. What is deforestation? Find out the causes, effects, and solutions to deforestation.

I. Resources

1. Environmental Challenges of Development in the East Asia and Pacific Region:

- http://siteresources.worldbank.org/INTEAPREGTOPEMIRONMENT/Resources/EAP_Env_Strat_Chap_1.pdf

2. Key environment issues, trends and challenges in the Asia-Pacific region:

- https://www.unescap.org/sites/default/files/CED5_1E_0.pdf

3. Asia's Environmental Problems: Common Features and Possible Solutions:

- http://www.eria.org/RPR_FY2011_No.10_Chapter_3.pdf

4. The Association of Southeast Nations (ASEAN) Fifth State of the Environment Report (SOER5):

- <https://environment.asean.org/wp-content/uploads/2018/01/SOER5.pdf>
- The SOER5 highlights the key challenges for the ASEAN region by analyzing the state and trends of social, economic and environmental conditions and looking in-depth at six thematic areas i.e. atmosphere, land, biota and ecosystems, fresh water, coasts and oceans, production and consumption.

- Related article: <https://www.sei.org/featured/environment-southeast-asia/>

5. IT'S A PANDAFUL LIFE! How China is saving the giant panda from extinction (video):

- <https://youtu.be/zZoREtoOdtQ>
- The Giant Panda has long been famous as a symbol of conservation and wildlife protection. China is now the only country where pandas still live in the wild. The government has worked hard to prevent its national pride, this adorable bamboo eating bear, from becoming extinct. It has put extensive resources into restoring the pandas' forest habitat and reintroducing rescued animals to the wild.

6. Giant Pandas 101 | Nat Geo Wild (video):

- <https://youtu.be/dqT-UIYlg1s>
- Giant pandas' habitat in the wild today is limited to the mountains of China, but their appetite remains unlimited. They spend nearly every waking moment eating bamboo. Learn about giant pandas and how their diet shapes their lives.

7. The Imminent Collapse of China's Society and Environment (Full Documentary film):

- <https://youtu.be/TGd4LiKdR2g>:
- The relationship of China's growing economy and the impact on the environment.

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II. Articles/ Information Resources

1. **Association for East Asian Environmental History (AEA EH)**
 - <http://www.aeah.org>
 - The AEA EH is an organization of individual members engaged in doing research on East Asian environmental issues with historical perspectives.
2. **News Article (South China Morning Post)**
 - “Climate change in East Asia caused by China’s air pollution, study reveals ... because it’s making goods for the West”
 - <https://www.scmp.com/news/china/policies-politics/article/2017595/climate-change-east-asia-caused-chinas-air-pollution>
3. **World Economic Forum – Shaping the Future of Environment and Natural Resource Security**
 - <https://www.weforum.org/system-initiatives/shaping-the-future-of-environment-and-natural-resource-security>
 - The World Economic Forum is an International Organization for Public-Private Cooperation, working with political, business and other leaders of society to shape global, regional and industry agendas, including the environment and natural resources.
4. **East Asian Nations Grapple With Environmental Challenges in 2018**
 - <https://www.rfa.org/english/commentaries/asia-environment-12282018163735.html>
 - Radio Free Asia reports on the current environmental issues facing East Asia, focusing on pollution and manmade trash that are increasingly more devastating to local environments.
5. **World Bank Report: Environmental Challenges of Development in the East Asia and Pacific Region**
 - http://siteresources.worldbank.org/INTEAPREGTOPENVIRONMENT/Resources/EAP_Env_Strat_Chap_1.pdf
6. **East – West Center Report: Population and Environmental Challenges in Asia**
 - <https://www.eastwestcenter.org/system/tdf/private/p%26p063.pdf?file=1&type=node&id=31895>
 - *Asia-Pacific Population & Policy summarizes research on population and reproductive health for policymakers and others concerned with the Asia-Pacific region. This report focuses on the increasing population of the region and the impacts it is having on the environment.*
7. **Institute for Security and Development Policy: Environmental Challenges and Cooperation in Northeast Asia**
 - <http://isdpc.eu/publication/environmental-challenges-cooperation-northeast-asia/>
 - Ranging from transboundary air pollution to maritime degradation, the countries of Northeast Asia face serious environmental threats that necessitate effective regional cooperation. This paper seeks to provide a concise and accessible overview of the main environmental challenges facing the region as well as provides a summary of the existing mechanisms to deal with them.

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8. **Council on Foreign Relations – China’s Environmental Crisis**
 - <https://www.cfr.org/backgroundunder/chinas-environmental-crisis>
9. **Asian Development Bank Institute report: Asia’s Wicked Environmental Problems**
 - <https://www.adb.org/sites/default/files/publication/156203/adbi-wp348.pdf>
 - This study considers four major environmental challenges that policymakers across developing Asia will need to address towards 2030: water management, air pollution, deforestation and land degradation, and climate change.

III. Organization Sources

1. **World Wildlife Fund: Priority Places of concern for environmental issues**
 - <https://www.worldwildlife.org/places>
2. **Asia-Pacific Forum on Environment and Development**
 - <https://www.apfed.net>
 - Asia-Pacific Forum on Environment and Development (APFED), was a group of experts originated at ECO ASIA (Environment Congress for Asia and the Pacific) in 2001. The main aim of APFED is finding the critical issues in Asia and Pacific region. Another goal is to introduce the new models of sustainable development and environmental issues.
3. **National Institute for Environmental Studies, Japan**
 - <https://www.nies.go.jp/index-e.html>
 - The National Institute for Environmental Studies strives to contribute to society through research that fosters and protects a healthy environment for present and future generations.

IV. Pedagogical Resources

1. **Environmental Education Toolbox: Approaching Environmental Issues in the Classroom**
 - <https://cdn.naaee.org/sites/default/files/eeopro/resource/files/approachingenvissuesclassroom.pdf>
2. **Literature Lesson: Environmental Issues in History**
 - https://www.educationworld.com/a_lesson/earth-day-literature-environmental-issues.shtml
3. **Teaching Environmental Issues and the Affective Domain**
 - <https://serc.carleton.edu/NAGTWorkshops/affective/environment.html>
4. **Environmental Lesson Plans broken down by grade (K-12)**
 - <https://www.teacher.org/lesson-plans/environmental/>
5. **US Environmental Protection Agency: Learning and Teaching about the Environment**
 - <https://www.epa.gov/students>

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6. Green Activities & Classroom Resources

- <https://www.teachervision.com/green-activities>

7. Young People’s Trust For the Environment: Learning Resources about the environment and sustainability for teachers

- <https://ypte.org.uk/lesson-plans>

8. Lesson plan on Environmental problems

- <https://www.teachingenglish.org.uk/article/environmental-problems>
- This lesson introduces learners to some of the main issues related to climate change. Learners focus on dictionary skills and the pronunciation of strong and weak syllables in long words. Focusing on the lexis in detail will help them recognize and use these terms outside the classroom.

9. Taking It to the Class: Green Projects for the Classroom

- <https://www.edutopia.org/environmentally-conscious-lesson-ideas>

10. Global Education

- <https://www.globaleducation.edu.au>
- An Australian developed site for teachers that provides resources to encourage a global perspective across the curriculum.

11. Origins

- <http://origins.osu.edu>
- A collaborative publication from Ohio State and Miami University that reports on current events in terms of the historical perspective while also providing numerous resources for teachers to include these events in their classrooms.

12. Cause and Effect graphic organizers for Southern & Eastern Asia Environmental Issues

- https://www.troup.org/userfiles/929/My%20Files/Social%20Studies/7SS/southern_eastern_asia/geography/environmental_issues/se_asia_pollution_flooding_activator.pdf?id=20044

V. Videos

1. YouTube Playlist: S and E Asia Environmental Issues

- <https://www.youtube.com/playlist?list=PLeNRqMglPcMW8XSoQ5PR4yIzTWYhz5u1r>

2. Flipped classroom lesson on Environmental Issues in Asia

- <https://www.youtube.com/watch?v=jpBK1VZ6iDY>

3. Environmental Documentary: ‘Earth Factor Asia: Making a Difference’ (2008)

- https://www.youtube.com/watch?v=vcl5lv_gd7c

4. Student-made PowToon Video on Environmental Issues of Southeast Asia

- <https://www.youtube.com/watch?v=fymYidF7Dt4>

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General Resources

- General Information about East Asia
 - <https://u.osu.edu/eastasia/general-information/>
- General Information about Japan
 - <https://u.osu.edu/eastasia/resources-about-japan/>
- General Information about Korea
 - <https://u.osu.edu/eastasia/resources-about-korea/>

Lesson Plans

- Lesson Plans (Global Teacher Seminars)
 - <https://u.osu.edu/globalteacherseminar/lesson-plans-east-asia/>
- Lesson Plans (East Asia, various sources)
 - <https://easc.osu.edu/resources/k-12/lesson-plans>

Other

- East Asian History Modules
 - <https://easc.osu.edu/https%3A/easc.osu.edu/resources/instructionalmaterials/east-asian-history-modules>
- Pronouncing Chinese Names
 - <https://easc.osu.edu/easc-mini-lecture-and-practice-pronouncing-chinese-names>

Teacher Training Seminars

- Global Teacher Training:
 - “Global Environmental Issues: the Problems, Solutions and Potential Outcomes” for pre-service and in-service teachers and administrators. June 3-7, 2019. OSU campus.
 - <https://easc.osu.edu/events/global-teacher-seminar-2019>
- East Asia Teacher Training:
 - [National Consortium for Teaching about Asia \(NCTA\)](#) with a focus on East Asian history, literature, culture, and more for K-12th grade teachers, librarians, administrators and pre-service teachers. June 10-14, 2019. OSU campus.
 - <https://easc.osu.edu/events/ncta2019>