

## Smithsonian Science for Global Goals: Community Research Guides for Youth to Address the UN Sustainable Development Goals

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## Abstract

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In 2015, the UNDP identified a series of 17 important worldwide goals referred to as the Sustainable Development Goals (SDGs). These goals make up a blueprint for the future well-being of the planet. In 2016, following a major outbreak of Zika, the IAP SEP, under the leadership of Dato Lee Cheong, decided during the Global Council meeting in Santiago, Chile that education is not only a crucial part of the SDGs due to its role as a specific goal (Goal 4: Quality Education), but it is essential that IAP SEP educate youth on the science of the SDGs to help nations progress on all goals. This presentation discusses how the Smithsonian Science Education Center in collaboration with IAP are developing Smithsonian Science for Global Goals Community Research Guides for engaging youth in understanding, discovering, and acting on the world's most hithsonian Science Education Cente ithsonian Science Education Center, probl







The Smithsonian believes in lifelong experiential learning. Each year, we reach 11M through our educational programming and 33M through





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The clock is ticking! A six year old today will be in the graduating class of 2030 tomorrow.

"Focused actions are needed to lift the 767M people who live on less than \$1.90 per day, and to ensure food security for the 793M people who routinely confront hunger...We need more determined progress towards sustainable energy, and greater investments in sustainable infrastructure. And we need to bring quality education within reach for all..." UN Secretary-General Antonio Guterres Smithsonian and IAP are developing free curriculum based on the UN Sustainable Development Goals to empower youth ages 8-17 to use science for social good.









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Students begin by building an identity map (and reading the identity maps of scientists so they can see themselves in others). They then add to their map what they know about the complex issue.





















## Building Awareness for Sustainable Education (BASE)

- Curriculum alone is not enough.
- We also host a one day event designed to raise awareness of the complex global issue with local stakeholders.
- Contextualized for local needs.
- Engages stakeholders first hand in the topic using hands-on investigations.
- For example, in Panama, we invited: expert scientists from the Smithsonian Tropical Research Institute (STRI); the Ministry of Education (MEDUCA); the Inter-American Development Bank;

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Caption: Mosquito! "Building Awareness for Sustainable Education" (BASE) and Professional Development (PD) event in Panama June 2018 held at Smithsonian Tropical Research Institute (STRI) in partnership with MEDUCA, SENACYT, J&J, and IADB.



## **Professional Development**

Smithsonian Science Education Center then hosts a two-day professional development workshop on the *Global Goals* module for teachers and education leaders from around the region, representing both public and private









-	Thank you!	
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