



Global Solutions Lab

Designing solutions for global and local problems

UPDATE #3

Global Solutions Lab Participants and Interested Applicants: Climate Change and Pandemic News

The following are recent publications by UN and other agencies around the world that contain important perspectives and data. They vary in content, perspective and degree of specialization— which is to say not all the below will be of interest to everyone. Some reports might appeal to the intertested general public, others to the specialist. Check out the ones that look interesting-- and at least one in which you don't think you have an interest. At least check out its Table of Contents, and see what kind of data it has. It could come in handy later.

The *2020 Global Solutions Lab* begins June 21, 2020. If you want to participate, register [here](#). The following reports, plus over 50 more, will be available to participants on the Lab's Dropbox soon.



World Happiness Report 2020.

The World Happiness Report is a landmark survey of the state of global happiness that ranks 156 countries by how happy their citizens perceive themselves to be. [Download.](#) (4.4 MB)

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physical signs of climate change, such as increasing land and ocean heat, accelerating sea level rise and melting ice, contributed to making 2019 the second warmest year on record according to a new report compiled by a network led by the World Meteorological Organization. The report documents the increasing impacts of weather and climate events on socio-economic development, human health, migration and displacement, food security and land and marine ecosystems. [Download](#). (1.8 MB)



The Sustainable Development Goals Report

The report demonstrates that progress is being made in some critical areas, and that some favorable trends are evident. Extreme poverty has declined considerably, the under-5 mortality rate fell by 49 per cent between 2000 and 2017, immunizations have saved millions of lives, and the vast majority of the world's population now has access to electricity . . . but . . . [Download](#). (17 MB)



Comparing Crises: Great Lockdown versus Great Recession, Food and Agriculture Organization of the United Nations, Rome, 2020.

A comparison of the Great Lockdown of 2020 underway with the Great Recession of 2009, reveals some regularities, yet many differences. Notably, the shock associated with the Great Recession arose out of economy-wide stress, particularly high-income countries, while in direct contrast, the Great Lockdown was borne outside of the global economic system, and seemingly is set to leave most countries severely affected, high and low-income countries alike. Both crises, however, have led to similar impacts to economies throughout the world, with significant contractions to economic growth, economic activity and employment. [Download](#). (3.9 MB)

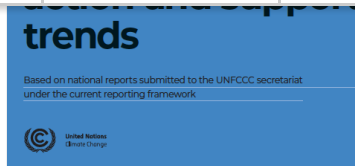
Climate Action and Support Trends, United Nations

Our goals are clear and the science is non-negotiable. We must limit global temperature rise to 1.5 degrees and, on the road to doing so,

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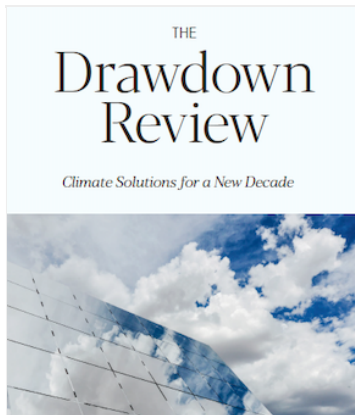
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requiring the best efforts from all nations, all businesses and all people. [Download](#) (2.3 MB)



Transformations to Achieve the Sustainable Development Goals, Report prepared by International Institute for Applied Systems Analysis. [Download](#). (12 MB)



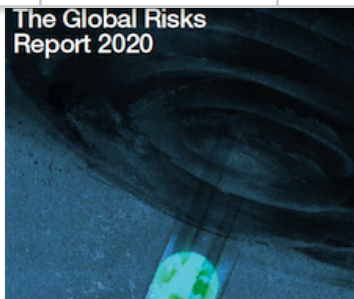
The Drawdown Review 2020, Climate Solutions for a New Decade, Project Drawdown. [Download](#). (25 MB)

Describes the 100 most substantive solutions to global warming. For each solution, we describe its history, carbon impact it provides, relative cost and savings, path to adoption, and how it works. The goal of the research that informs Drawdown is to determine if we can reverse the buildup of atmospheric carbon within thirty years. All solutions modeled are already in place, well understood, analyzed based on peer-reviewed science, and are expanding around the world. [Download PDF](#). Printed version from [Amazon](#)

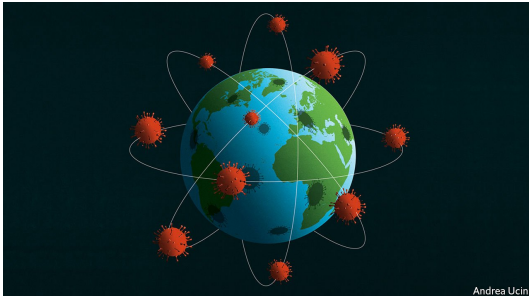


Surviving and Thriving in the 21st Century
A discussion and call to action on global catastrophic risks. Risks include: ecological collapse, resource depletion, weapons of mass destruction, global warming, global poisoning, food insecurity, population and urban expansion, pandemic disease, dangerous new technologies and self-delusion. [Download](#). (3.6.MB)

Global Risks Report 2020. World

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and geo-economic uncertainty to int. Opting to ride out the current period in the hope that the global system will “snap back” runs the risk of missing crucial windows to address pressing challenges. [Download](#). (5.4 MB)



A key document at the Global Solutions Lab is the *Design Science Primer*. It encapsulates the methodology that the Lab uses in the development of strategic designs and plans for meeting the needs of the world. [This link](#) will enable you to download a copy as a PDF from the Lab's website (4.7 MB). If you would prefer a paperback version you can order it [here from Amazon](#). *Given this book's importance to what we will be doing in the Lab, please download the free copy and read it.*

Another foundational document at the Lab is the Global Solutions Lab book(s) that document the work of previous Labs.

Designs for a World That Works For All is also available at the [Global Solutions Lab website](#) as PDFs (7 to 8.5 MB each), and at [Amazon](#). The results of the 2020 Global Solutions Lab will be published as a book similar to these documents.

Given the size of these two documents, please download them (or order them as printed documents) and look them over. Check out the table of contents, and read what you find of interest.

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