

## Section V: Climate Change and Human Health

USEPA - In many areas, climate change is likely to increase water demand while shrinking water supplies. Available at: [https://19january2017snapshot.epa.gov/climate-impacts/climate-impacts-water-resources\\_.html#Quality](https://19january2017snapshot.epa.gov/climate-impacts/climate-impacts-water-resources_.html#Quality)

### Climate Impacts on Water Resources



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**Protection Against Flooding Preserving Holland's Tidal Ecology.** Available at: <http://www.youtube.com/watch?v=0goYcQs7NdY>

An ingenious storm-surge barrier that can close in times of flood preserves tidal ecology and with it the fishing and tourism which depend on it. Variations of this "dam with doors" is being considered for use in other parts of the world. Lynn Redgrave is the on-camera host. This is Part 4 of Horizon International's TV series "One Second Before Sunrise: A Search for Solutions" Program 1.

**One Health Initiative Advances Care for Humans, Animals and the Environment.** Available at: <http://www.solutions-site.org/node/875>

"One Health is the collaborative efforts of multiple disciplines working locally, nationally, and globally to attain optimal health for people, animals, plants and our environment." "One Health implementation will help protect and/or save untold millions of lives in our generation and for those to come."

**A Tree of All Life Being Built to Bring Together What is Known About How Species are Related.** Available at: <http://www.solutions-site.org/node/744>

A new initiative aims to build a comprehensive tree of life that brings together everything scientists know about how all species are related, from the tiniest bacteria to the tallest tree. Information about evolutionary relationships is fundamental to comparative biology research. It helps scientists identify promising new medicines; develop hardier, higher-yielding crops; and fight infectious diseases such as HIV, anthrax and influenza.

Also, at **National Academy of Sciences**. Available at:  
[https://www.nsf.gov/news/news\\_summ.jsp?cntn\\_id=124386](https://www.nsf.gov/news/news_summ.jsp?cntn_id=124386)

**Intelligent Robotic Fish Detect Pollution SHOAL**. Available at: <http://www.solutions-site.org/node/738>

The pan-European ICT project, partly funded by the EU, has successfully developed and delivered intelligent robotic fish capable of working together to detect and identify pollution in ports and other aquatic areas.

**Eutrophication will increase during the 21st century as a result of precipitation changes**. Available at: <http://science.sciencemag.org/content/357/6349/405>

**Physicians for Social Responsibility: Climate Change Contaminates Your Water**. Available at: <http://www.psr.org/environment-and-health/climate-change/results-impacts/climate-change-contaminates.pdf>

**United Nations Convention to Combat Desertification (UNCCD) Videos**

**Land Degradation Neutral World**. Available at: <https://youtu.be/DPgtdEw5lgI>

SDG 15: Life on Land. On 25 September 2015, 193 countries came together in New York to adopt the Sustainable Development Goals or SDGs. SDG 15 calls for the protection, restoration and sustainable management of land-based ecosystems. In doing so target 15.3 specifically aims to achieve a Land Degradation Neutral World by the year 2030.

**Embed code:**

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<iframe width="560" height="315" src="https://www.youtube.com/embed/DPgtdEw5lgI"
frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>
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**United Nations Convention to Combat Desertification (UNCCD)**. Available at:  
<https://www.unccd.int/>

The LDN Fund enables public funders to secure the risks taken by private investors and target the climate and sustainable development goals simultaneously. The initiative, brokered by UNCCD Global Mechanism and managed by Mirova, brings together project leaders, land users and investors to promote healthy land as an investment in the future that can create green jobs, ensure food security and help address the effects of climate change.

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