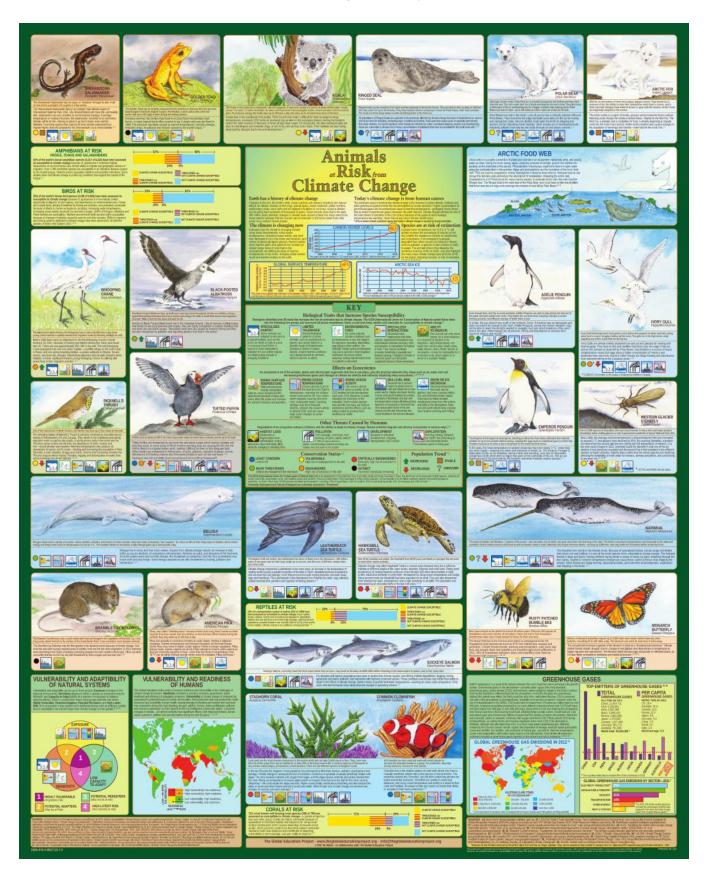
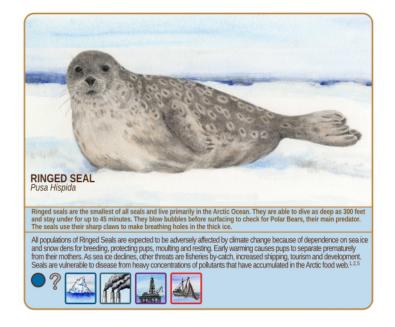
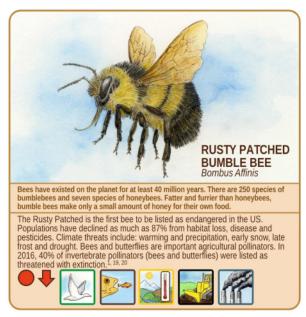
# "Animals at Risk from Climate Change" A 24" x 30" full colour educational poster covering the fundamental causes,

effects and risks of climate change to ecosystems, animals and humans.



#### Animal Earth has a history of climate change Today's climate change is from human causes Changes in the sun, the Earth's orbit, ocean currents and volcanic eruptions are natural effects on climate. Studies of tree rings, glacial layers, ocean sediment, pollen remains, sedimentary rocks, coral reefs and air trapped in bubbles in ice cores, reveal a climate record going back hundreds of thousands of years. Fossil records show that in the past 490 million years dramatic changes in climate have caused at least five mass extinctions some studies estimate that the current rate of extinction is 100 times faster than what would occur without human impact. The dominant cause of present-day climate change is the increase in carbon dioxide, methane and other greenhouse gases emitted into the atmosphere by human activities,\* Higher concentrations of other greenhouse gases emitted into the atmosphere by human activities. Higher concentrations or greenhouse gases are the predominant cause of warming temperatures—geological history shows that as levels of greenhouse gases increased, the earth warmed. Climate change will likely be one of the main drivers of extinction in the 21st century because of the speed at which average temperatures are warming—faster than at any time in the last 15,000 years. \*97% of active climate scientists agree that today's climate change is caused by human activities. ald occur without human impact Species are at risk of extinction The climate is changing now CARBON DIOXIDE LEVELS Indicators that the climate is changing include: rising mean temperatures; rising ocean A global mean temperature rise of 2 to 3 °C will greatly increase the percentage of species at risk 405 and amplify the dangerous impacts on biodiversity and ecosystems. If an ecosystem is already degraded from other causes not related to climate, temperatures; increased ocean acidity; sea level rise; decrease of ice in the Arctic and Antarctic; and retreat of almost all alpine glaciers. Recent studies ₹ 395 show that the paths and speed of the northern jet stream (large rivers of wind high in the such as pollution, a species is less resilient or likely to adapt. The animals shown here illustrate the wondrous diversity of life on Earth, and also highlight atmosphere) are shifting because of warmer temperatures in the Arctic—bringing colder winters south and warmer winters to the north. 375 the many ways climate change puts all forms of life on the planet, including humans, at risk of extinction. 2005 2008 2010 2013 2015 2018 This graph shows the change in CO2 levels since 2005. In March, 1958 the level was 315.7 ppm. 33 **GLOBAL SURFACE TEMPERATURE** ARCTIC SEA ICE ΚM SQUARE 6 5 -MILLION 3 1980 1980 1985 1990 1995 2000 2005 Data from satellife observations show the minimum extent that Arctic sea ice rer The ice is declining at a rate of 13% per decade, relative to the 1981 to 2010 aw 2010





"Animals at Risk from Climate Change" is an attractive and colourful 24"x 30" poster featuring 25 animals that highlight the fundamental impacts of greenhouse gases—causes, effects and risk of extinction—on all forms of life on the planet. The complex interaction of biological traits and environmental conditions that cause a species to be susceptible to climate change, the basics of the carbon cycle, and the impact of greenhouse gases are made simple and understandable through beautiful illustrations, symbols and brief explanatory text. Comprehensive and thoroughly documented to reliable sources, the poster is a timely and relevant educational aid for educators, parents and students.

To see the additional components of the poster in detail, or to order, please visit:

www.theglobaleducationproject.org/climate-change

For more information, contact Melanie at: mm@theglobaleducationproject.org Phone: 206 261 1453

# "Animals at Risk from Climate Change"

A 24" x 30" full colour poster covering the fundamental causes, effects and risks of climate change to ecosystems, animals and humans.

### Retail orders online at: www.theglobaleducationproject.org/climate-change

The poster is supplied two ways:

Folded to 8" x 10" (Retail: US \$10.00 plus shipping)

or Flat Laminated (24" x 30") (Retail: US\$ 18.95 plus shipping)

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## Wholesale/Sponsorship orders: mm@theglobaleducationproject.org or phone 206 261 1453

Folded (not laminated) — Suggested retail: US\$10.00

Qty. Unit cost

0-25 @6.50 26-50 @6.00 50-100 @5.50 over 100 @5.00

Plus shipping

Flat Laminated — Suggested retail: US \$18.95

All Quantities @11.40

Plus shipping

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