

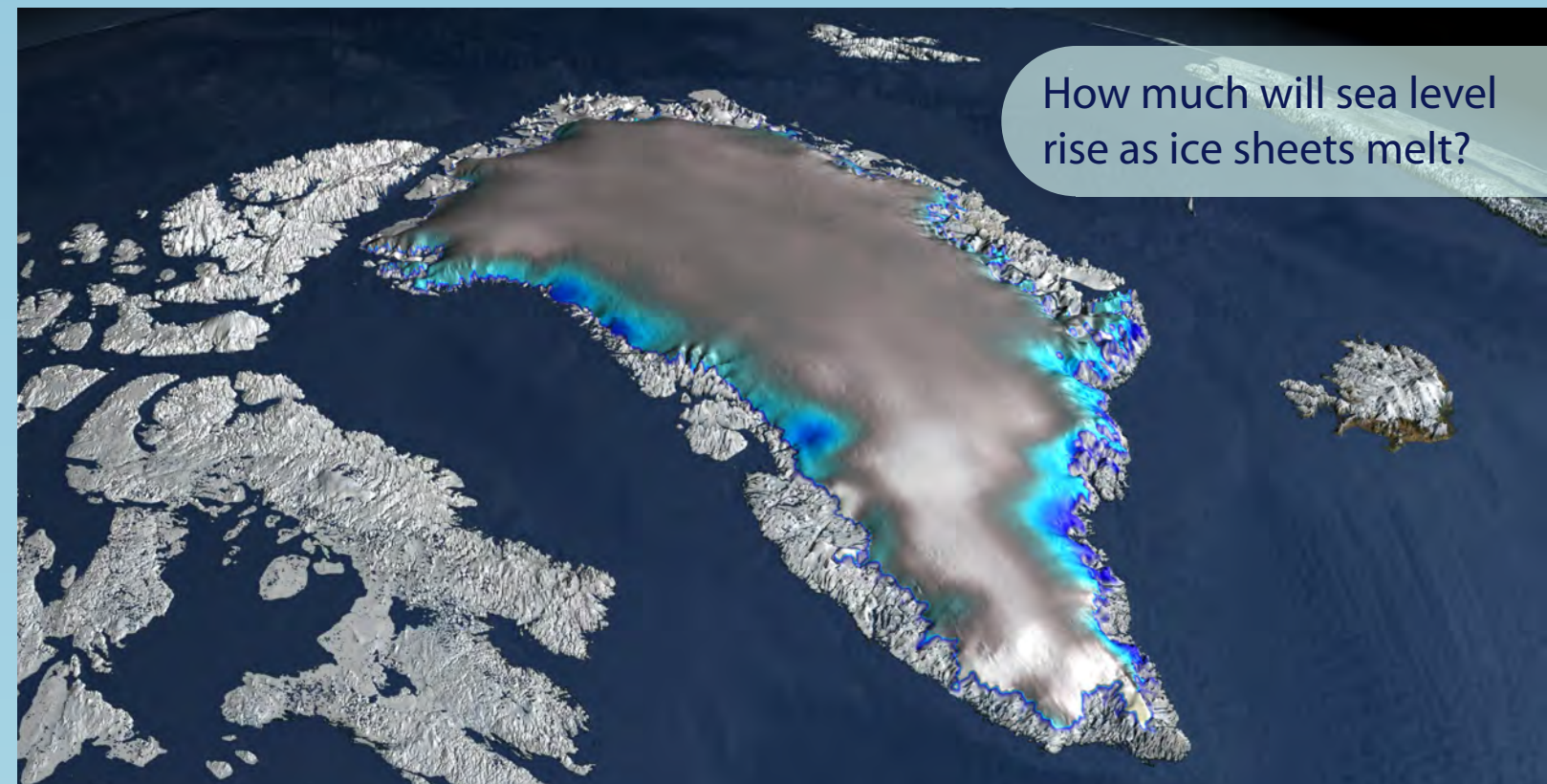
Mathematics Awareness Month - April 2009

Mathematics and Climate

Find out how math and science are used to address questions of climate change:



How long will the summer Arctic sea ice pack survive?



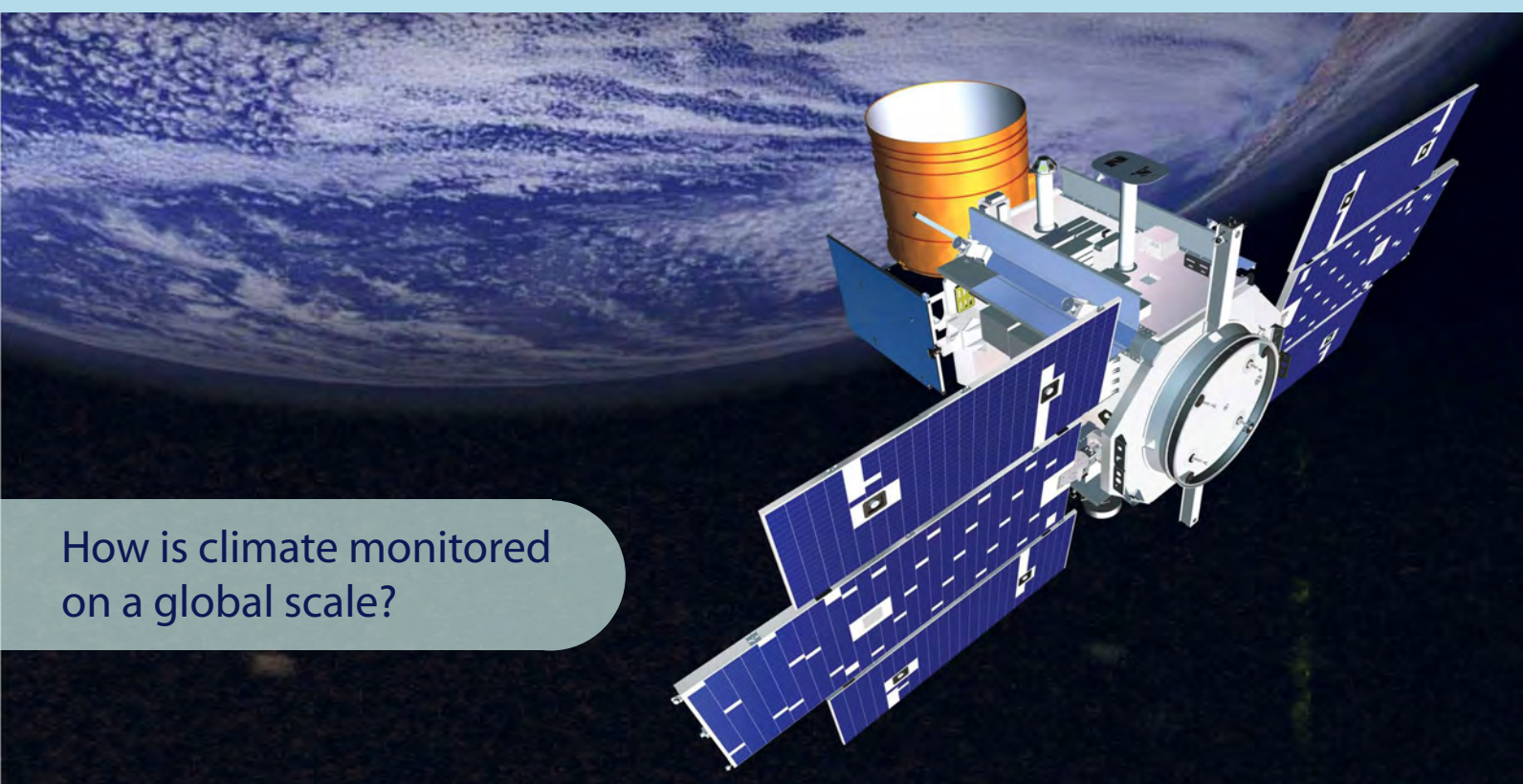
How much will sea level rise as ice sheets melt?



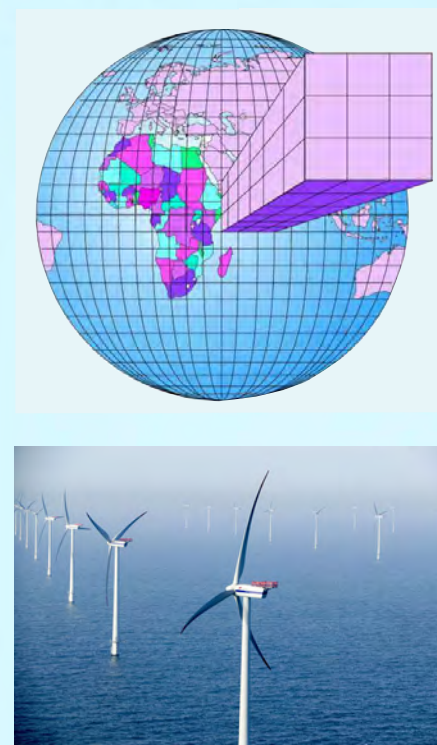
Are hurricanes getting stronger?



How do human activities impact global warming?



How is climate monitored on a global scale?



How can we improve our understanding of climate change and what can we do about it?

$$\frac{\partial \mathbf{u}}{\partial t} + (\mathbf{u} \cdot \nabla) \mathbf{u} = -\frac{1}{\rho} \nabla p + \mathbf{F} + \frac{\mu}{\rho} \nabla^2 \mathbf{u}$$
$$\frac{\partial \rho}{\partial t} + \nabla \cdot (\rho \mathbf{u}) = 0$$

www.mathaware.org

Committee
Chair: Kenneth Golden (University of Utah)

Kerry Emanuel (MIT)
Margot Gerritsen (Stanford)
Jon Huntsman, Jr. (Governor of Utah)
Mary Lou Zeeman (Bowdoin)

Inez Fung (UC Berkeley)
David Holland (NYU)
David Neelin (UCLA)
Jay Zwally (NASA)