



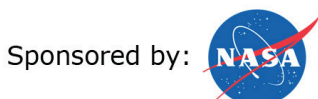
## THE GLOBE PROGRAM



### The Global Goals for Sustainable Development and The GLOBE Program

The Global Goals for Sustainable Development is a 17-point plan to end poverty, combat environmental changes and fight injustice and inequality. It was adopted by 193 world leaders at a United Nations Summit in 2015 and came into force on January 1, 2016. The GLOBE Program is an international science and education program that provides students and the public worldwide with the opportunity to participate in data collection and the scientific process. Since its initiation, GLOBE has been implemented in over 28,500 schools in more than 110 countries. The table outlines the correlations between the Global Goals for Sustainable Development and The GLOBE Program.

Global Goals for Sustainable Development	GLOBE Program Spheres and Investigation Areas	GLOBE Science Protocols
	<p>Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.</p> <p>GLOBE is committed to improving education through teacher training, development of lessons and scientific protocols and the creation of opportunities for collaboration between scientists, educators and students.  <b>Sphere:</b> Atmosphere, Biosphere, Hydrosphere, Soil (Pedosphere)</p>	<p>All (GLOBE Teacher's Guide)</p>
	<p>Ensure availability and sustainable management of water and sanitation for all.</p> <p>Students in The GLOBE Program are given the tools to deepen their understanding of the water cycle and to act as active hydrologists themselves through data collection and analysis.  <b>Sphere:</b> Hydrosphere</p>	<p>Precipitation, Water Transparency, Water Temperature, Dissolved Oxygen, Electrical Conductivity, Salinity, pH, Alkalinity, Nitrate, Freshwater Macroinvertebrates, Salinity Titration</p>
	<p>Conserve and sustainably use the oceans, seas and marine resources for sustainable development.</p> <p>Ocean science protocols and data collection are incorporated into The GLOBE Program in areas with access to coastline.  <b>Sphere:</b> Hydrosphere  <b>Investigation Area:</b> Earth as a System</p>	<p>Seaweed Reproductive Phenology, Water Temperature, Salinity, pH, Dissolved Oxygen</p>
	<p>Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and half biodiversity loss.</p> <p>GLOBE has developed science protocols for understanding many facets of the terrestrial ecosystem.  <b>Sphere:</b> Biosphere, Soil (Pedosphere)  <b>Investigation Area:</b> Earth as a System</p>	<p>Land Cover, Biometry, Fire Fuels, Green-Up, Green-Down, Phenology, Soil Characterization, Soil Temperature, Soil Moisture, Bulk Density, SMAP Block Pattern Soil Moisture, Soil Particle Density, Particle Size, Soil pH, Soil Fertility, Water Infiltration, Davis Soil Moisture, Soil Moisture Sensor</p>



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