

Earth Science Big Ideas and Climate Literacy Principles most relevant to GETSI

Theme	Earth Science Big Idea (ESBI)	Climate Literacy Principle (CLP)
A. Scientific inquiry/active research	ESBI-1. Earth scientists use repeatable observations and testable ideas to understand and explain our planet.	CLP-5. Our understanding of the climate system is improved through observations, theoretical studies, and modeling
B. Complex systems	ESBI-3. Earth is a complex system of interacting rock, water, air, and life	CLP-2. Climate is regulated by complex interactions among components of the Earth system
C. Continuous change	ESBI-4. Earth is continuously changing	CLP-4. Climate varies over space and time through both natural and man-made processes
D. Water & resources	ESBI-5. Earth is the water planet ESBI-7. Humans depend on Earth for resources (including water)	
E. Human interactions	ESBI-8. Natural hazards pose risks to humans ESBI-9. Humans significantly alter the Earth	CLP-7. Climate change will have consequences for Earth system and humans CLP-6. Human activities are impacting the climate system