



Credit: Globaia

## A New Vision for Earth System Science Education

Story.Earth is a free educational website that brings Earth system science alive through stunning visualizations, easy-to-use interactive tools, and media-rich classroom resources. By engaging with maps and globes, students learn core scientific concepts and develop critical thinking, inquiry, and analysis skills that are vital for their future roles as informed citizens and stewards of the planet.

### RESOURCES AT A GLANCE

- 180 Earth system visualizations
- 36 short, engaging videos that highlight patterns of change
- 12 standards-aligned learning activities
- 100+ teaching and learning resources
- 4 interactive digital maps and globes
- 360 text and audio captions for interpretation and accessibility
- 12 Dymaxion World Maps that encourage spatial thinking
- 7 visual models and frameworks for systems thinking
- 36 visual glossary terms to build vocabulary
- 6 Data Talks to grow data literacy
- 2 fold-up icosahedron globes for hands-on, tactile learning



## WHY IT MATTERS

Geospatial visualizations support the development of scientific practices such as asking questions, analyzing and interpreting data, and constructing explanations. These practices model the work of real scientists and prepare students for careers in science, technology, engineering, arts, and math (STEAM). Story.Earth inspires:

- Systems thinking
- Futures thinking
- Interdisciplinary connections
- Collaboration and communication
- Ecological literacy and personal agency

With a focus on real-world challenges, Story.Earth invites us to explore the timely question: How do we author a new story about our relationship to planet Earth?

## WHO IT SERVES

Story.Earth serves teachers and students (grades 4-8 and above), informal STEM educators, nonprofit organizations, home learners, and science center programs. It was designed with input from classroom teachers, students, and Earth system scientists.

### What Educators Are Saying

“Story.Earth is gorgeous, dynamic, and captivating! It inspires both my students and me to explore, investigate, and immerse ourselves in a deeper understanding of Earth systems and our undeniable connection to them. Story.Earth shifts the mindsets of my students and invites them to be systems thinkers and planetary stewards.”

— Kelly Mackura, Teacher

“Story.Earth is so beautiful and fascinating that both students and teachers may not realize how much they are learning! The easy to follow curriculum engages students with big ideas, real-world issues, and scientific practices. It asks them to imagine the future they want, and gives them the tools to create that future.”

— Heather Garcia-Rossi, Educator

“My fourth graders cheer when they see Story.Earth on our daily plan. The multimedia content and engaging visualizations always spark their sense of curiosity and wonder. The quality of student projects demonstrates the depth of understanding they gain from these carefully crafted lessons and resources. They are building new vocabulary and mental models to make sense of their changing world.”

— Marjan Sobhani, Teacher

## PARTNERS AND SUPPORTERS

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