Ignite Your Geography Inquiry!

Data-driven, immersive storytelling for the geography classroom

Contents

Storytelling for Teaching and Learning

Humans are innate storytellers. We have used stories to relate to their world and communicate experiences to others for thousands of years, from intricate drawings on cave walls to juicy gossip in local coffee shops.

StoryMaps is a web application within Esri's web-based GIS platform, ArcGIS Online. They combine digitised, dynamic maps with other story elements (i.e., title, text, legend, pop ups, and other visuals) to tell a story about people, places and events. Using geography as the main organising principle, StoryMaps pair maps and other visuals with descriptive text to present information in a compelling way.

ArcGIS StoryMaps make global issues accessible to everyone via digital storytelling. They highlight key geographical concepts of place, space, environment, interconnection, sustainability, scale, and change, and apply them to a wide range of places, from local to global, and to a number of different locations.

When based on a specific case study or topic, they can also promote cultural awareness, citizenship, and ethical understanding. They stimulate creative thinking by provoking curiosity, creativity, and imagination, and they show students how they can become productive users of geospatial information and communication technology.

The essence of geography is how humans interact with their environment and StoryMaps are a very accessible resource for geography teachers to showcase global issues via digital storytelling to their students.

Once you've consumed a beautiful StoryMap you'll be hooked!

Teaching tool – for teachers

At its most basic, ArcGIS StoryMaps are a collection of interesting maps and stories that support various topics and themes found in the Australian curriculum. They are an interactive, engaging way to explore the world and practice geospatial skills.

StoryMaps allows students with varying levels of GIS and mapping experience (from none to substantial) to clearly express the spatial story attached to their projects or topic of study. They help foster GIS technical skills, information acquisition and data analysis, which is then used to create highly engaging stories.

ArcGIS StoryMaps can be used as a teaching tool, for student inquiry, research and is a great alternative to conventional research papers or PowerPoint presentations.

StoryMaps are easily available online, there is no need to log in or create code, and they can be accessed on any device. However, you will need an ArcGIS StoryMaps account to create your own StoryMaps. **Click here** to **learn more** .

To get started with StoryMaps is super easy. **We've saved you hours of time by choosing some of the best StoryMaps to showcase in your classrooms before your students start creating their own. We have chosen** the best StoryMap links under each of the Year 7-10 Australian Curriculum sub-strands for geography and have popped in some other cool StoryMaps on other STEM-based topics. Keep scrolling down to find your chosen topic.

Here are four StoryMaps to help you to get started:

Teaching and learning with ArcGIS StoryMaps: This StoryMap explains what story maps are, why they matter, and how you can use them in education for instruction, learning, and research
Learn more ❯

Introduction to StoryMaps: Learning how to leverage StoryMaps in the classroom
Show me how ❯

Give your students the geographic advantage
Explore now ❯

Nine steps to great storytelling: How to make your ArcGIS StoryMaps content sing
Read Now ❯

Learning tool – for students

We highly recommend that you share this resource with your students, particularly those who will independently use StoryMaps for extending and enriching their learning.

ArcGIS StoryMaps tell stories about the world. What story would you like to tell?

Introduction • Esri and StoryMaps • Satellites • GIS • Water in the world
Place and liveability • Landformsand landscapes • Natural hazards
Changing nations • Biomes andfood security • Geographies of interconnections
Environmental change and management • Biodiversityand conservation
Geographiesof wellbeing • Notable collections • Dronesand STEM • Arts and culture

Esri

ArcGIS StoryMaps are hosted on a web-based platform in the cloud created by the StoryMaps Team at Esri (Environmental Systems Research Institute), an international supplier of geographic information system (GIS) software, web GIS and geodatabase management applications.

2021 StoryMaps Weekly Waypoint (collection)

Stay up to date on enhancements, resources, and great stories with weekly news from Esri's StoryMaps team.

EXPLORE NOW ⊙

ArcGIS StoryMaps: The Basics

A collection of 9 'how to' StoryMaps if you are starting out with ArcGIS StoryMaps.

EXPLORE NOW ⊙

ArcGIS StoryMaps by Allen Carroll

Another collection of 17 useful StoryMaps from the Program Manager of storytelling, who founded the StoryMaps team at Esri.

EXPLORE NOW ⊙

Introducing the ArcGIS Living Atlas of the World!

A resource of curated, authoritative, and ready to use maps, apps and data layers from Esri UK.

EXPLORE NOW ⊙

ArcGIS Living Atlas of the World Collection

A collection of StoryMaps to introduce and promote the use of the ArcGIS Living Atlas for students and GIS novices.

EXPLORE NOW ⊙

Teaching and Learning with ArcGIS StoryMaps

Joseph Kerski explains what StoryMaps are, why they matter, and how you can use them in education: Instruction, learning, research.

EXPLORE NOW ⊙

Finalists for Esri 2021 Storytellers of the Year

A collection of finalists' StoryMaps inspiring global action through the 2021 ArcGIS StoryMaps Ocean Challenge sponsored by Esri and the National Geographic Society.

EXPLORE NOW ⊙

StoryMaps Resources for the Classroom

A mix of 15 StoryMaps to be used as resources and classroom examples for teachers, parents, and students K-12.

EXPLORE NOW ⊙

Misconceptions

This Esri StoryMap highlights common geographic mental misplacements and locational mistakes that seemingly come pre-installed in American students' minds that geography teachers wrestle to overcome. An interesting activity to do with your students even if you're not in America.

EXPLORE NOW ⊙

Satellite Imagery

Satellites take amazing pictures of our planet and these images from above can make a StoryMap really sing.

Landsat 9 Road to Launch (collection)

Launched on September 27th, 2021, Landsat 9 is a partnership between NASA and the U.S. Geological Survey. This StoryMap is a collection of stories about the process of building Landsat 9.

EXPLORE NOW ⊙

Camp Landsat

The joint NASA/USGS Landsat Program provides the longest continuous space-based record of Earth's land in existence and this collection of nine StoryMaps shows some of the amazing imagery that the Landsat satellites capture every day.

EXPLORE NOW ⊙

Geography: Key for Resilient Communities and Healthy Planet

Understanding Geography is critical to making wise decisions that builds resilient communities and a smart planet in face of climate change.

EXPLORE NOW ⊙

Landsat Science

Landsat provides the longest continuous science record of the Earth's surface from space.

EXPLORE NOW ⊙

Exploring Sentinel-1 InSAR

This technical StoryMap is about On-Demand InSAR products from the Alaska Satellite Facility.

EXPLORE NOW ⊙

Eyes Above

A StoryMap about how remote sensing shows what humans can't see by using sensors on satellites and aircraft to acquire data from a distance.

EXPLORE NOW ⊙

The World According to Weather Satellites

A story about the unsung heroes behind our weather forecast and how the role they play is urgent and essential.

EXPLORE NOW ⊙

Global Information Systems (GIS)

GIS stands for Geographic Information System and is a spatial system that creates, manages, analyzes, and maps all types of data.

StoryMaps are a perfect way to introduce your students to Geographic Information Systems (GIS) as they show different layers of information in an interactive map that is easy to explore and engage with.

GIS Day 2021

GIS Day provides an international forum for users of Geographic Information Systems (GIS) technology to demonstrate real-world applications that are making a difference in our society.

EXPLORE NOW ⊙

What Makes EGLE Spatial?

Learn how EGLE is using mapping technology to inform decisions and improve solutions.

EXPLORE NOW ⊙

GIS at NASA

Geographic Information Systems is providing powerful capabilities to visualise, analyse, and interact with big data.

EXPLORE NOW ⊙

Implementing GIS Into Your School's Curriculum

A StoryMap outlining how to implement GIS into your curriculum created by the Esri Australia Education Program.

EXPLORE NOW ⊙

EduDrone – Spatial Technology Toolbag for Teachers

This StoryMap from Senior Geography teacher Brett Dascombe outlines what you need to get GIS started in your school and the best geospatial apps to use.

EXPLORE NOW ⊙

IPQE Writing for Senior Geography and the External Assessment

This StoryMap from Brett Dascombe helps his students describe, analyse and explain maps and graphs in Senior Geography.

EXPLORE NOW ⊙

GIS continues ≫

GIS Maps for Learning

A collection of web maps created for use in the teaching and learning of Geography.

EXPLORE NOW ⊙

Interconnecting Our World

A StoryMap by Esri Ireland showing how GIS is evolving and how organisations are embracing it.

EXPLORE NOW ⊙

GIS with Kids

Resources for exploring GIS with young learners, targeting readers from Kindergarten through 4th grade.

EXPLORE NOW ⊙

Intro to GIS With Open Education Resources (collection)

A collection of 12 StoryMaps that are used as instructional GIS modules with readings, videos, tutorials, and other resources from the Kennesaw State University and the University of North Georgia.

EXPLORE NOW ⊙

Geography: Key for Resilient Communities and Healthy Planet

In this StoryMap Joseph Kerski outlines how understanding geography is critical to making wise decisions that build resilient communities and a smart planet in face of climate change.

EXPLORE NOW ⊙

Water in the World

Year 7 *Water in the World* explores the many uses of water, its numerous forms as a resource, how it is perceived, and valued, the connections it creates between places as it moves through the environment, its varying availability in time and space, and its scarcity.

Clean Water

A StoryMap about providing universal and equitable access to safe and affordable drinking water through the lens of SDG Target 6.1.

EXPLORE NOW ›

The Geography of Clean Water for All

A StoryMap by the World Vision Water Team investigating how high resolution population data and GIS are helping reach the most vulnerable communities.

EXPLORE NOW ›

Colorado River Shortage

A StoryMap about the hydrology and water quality of the Murray – Darling River Basin.

EXPLORE NOW ›

Climate: Murray-Darling Basin

This Story Map provides an insight to how the Basin Plan is helping the Murray-Darling Basin adapt to the impacts of a changed climate.

EXPLORE NOW ›

Uluru Kata-Tjuta National Park

This StoryMap will engage students with the perspectives of Aboriginal and Torres Strait Islander peoples to investigate Indigenous knowledge and water issues at Uluru (Ayers Rock) in the Northern Territory.

EXPLORE NOW ›

The 2010-11 Queensland Floods

This StoryMap by Esri Australia outlines the causes, impacts and responses to a hydrological hazard in Brisbane.

EXPLORE NOW ›

What You CAN'T See in the Tennessee River

A closer look at pollution in the Tennessee River.

EXPLORE NOW ›

Earth's Biggest Storms: Tropical Cyclones

Called hurricanes by some, these spinning megastorms have catastrophic impacts across the globe.

EXPLORE NOW ›

Drones, GIS and the Townsville Floods

This StoryMap from She Maps includes lesson activities based on a case study from early 2019 when unprecedented rainfall and the release of dam waters led to catastrophic flooding in the city of Townsville, Australia. It explores how emergency response teams respond to disasters using geospatial tools such as drones and GIS.

EXPLORE NOW ➤

Working for Water

Stories of water scarcity in Kathmandu, Nepal.

EXPLORE NOW ➤

EPA's Response to Hurricane Ida

This StoryMap provides an interactive summary of EPA's work in response to the flooding from Hurricane Ida in August 2021, including aerial and on-the-ground air monitoring.

EXPLORE NOW ➤

Rocky Mountain Water

The stories of natural, impacted, and managed water in the Upper Gunnison River Basin.

EXPLORE NOW ➤

Coastal Flooding

A StoryMap that investigates how coastal communities are being impacted by sea level rise created by NOAA and Esri.

EXPLORE NOW ➤

The San Luis Valley

Life at the Headwaters of the Rio Grande.

EXPLORE NOW ➤

The Tidal Thames

A StoryMap of a virtual journey down the tidal Thames, created by the Thames Estuary Partnership.

EXPLORE NOW ➤

NYC H2O Maps

A collection of 21 StoryMaps exploring New York's remarkable water system that pipes millions of gallons of fresh water into the city every day and distributes it across its five boroughs.

EXPLORE NOW ➤

The Most Important Instrument You've Never Heard of

The Advanced Technology Microwave Sounder (ATMS) is a little-known tool that affects our daily lives and helps us understand our weather and climate.

EXPLORE NOW ➤

At the Water's Edge (Camp Landsat)

Landsat helps map and monitor those coastal waters and shores.

EXPLORE NOW ➤

Water: Murray-Darling Basin

This Story Map provides an insight to how water delivered under the Basin Plan supports the Murray-Darling Basin.

EXPLORE NOW ➤

Place and Liveability

Year 7 *Place and Liveability* examines factors that influence liveability and how it is perceived, the idea that places provide us with the services, and facilities needed to support and enhance our lives, and that spaces are planned and managed by people.

Living in the Heart of Winter

A virtual tour of the world's coldest major population centres.

EXPLORE NOW ⊙

A Story About Great Countries

Visual analysis of the highest ranked countries to live in by investigating the Human Development Index (HDI).

EXPLORE NOW ⊙

Keeping Up With the Kuchis

This StoryMap is about locating the nomadic tribes of Afghanistan.

EXPLORE NOW ⊙

The Lines That Shape Our Cities

This StoryMap examines how researchers are using GIS analysis to uncover relationships between redlined areas and environmental conditions such as tree coverage, temperature, infrastructure, and topography.

EXPLORE NOW ⊙

The Voices of Grand Canyon

A visually stunning StoryMap with sound and video, that showcases 11 tribes maintaining cultural connections to the Grand Canyon. Their stories are of movement, migration, hardship, struggle, origins, reverence, and awe.

EXPLORE NOW ⊙

Going With the Flow (Camp Landsat)

Landsat enables scientists to study some of the most dangerous and inaccessible places on our planet.

EXPLORE NOW ⊙

Denver Vision Zero: Data and Trends

Denver is using data to drive decisions that will make their streets safer for everyone.

EXPLORE NOW ⊙

Where are People Moving?

Patterns of movement in the United States over the past year 2020.

EXPLORE NOW ›

Freeway Art in California

A StoryMap about how and why Caltrans incorporate art in transportation spaces in California.

EXPLORE NOW ›

Green, Blue and a Healthy You (Camp Landsat)

Using Landsat, scientists have found links between time spent in green spaces and our health.

EXPLORE NOW ›

Exploring New York City's Vibrant Street Art Scene

This StoryMap examines how researchers are using GIS analysis to uncover relationships between redlined areas and environmental conditions such as tree coverage, temperature, infrastructure, and topography.

EXPLORE NOW ›

Los Angeles County Homelessness and Housing Map

Los Angeles County has developed this data-driven multilayered GIS planning tool to help guide policymakers' efforts to respond urgently and effectively to the homelessness crisis.

EXPLORE NOW ›

Landforms and Landscapes

Year 8 *Landforms and Landscapes* examines the processes that shape individual landforms, the values and meanings assigned to them by diverse cultures, the hazards associated with landscapes, and management of landscapes.

Race to Everest

A StoryMap following Ed Hillary's journey to the 'Top of the World'.

EXPLORE NOW

Landform Regions of Australia

A StoryMap outlining the geography of Australia.

EXPLORE NOW

Landscapes and Their Distinctive Landform Features

Esri Australia GIS for Schools lesson.

EXPLORE NOW

Mapping Mount Everest

Alex Tait, geographer at the National Geographic Society, recounts his experiences on an expedition to the world's tallest mountain. This StoryMap is a visually stimulating look at the research being conducted at Mt Everest in the Himalayas.

EXPLORE NOW

Beauty From Above (classic)

A StoryMap to raise awareness of the Belize Barrier Reef islands with Open Reef, a citizen science mapping project between the University of Central Florida, University of Belize and the Coastal Zone Management Authority and Institute.

EXPLORE NOW

Beach Management Strategies

A StoryMap created by Esri Australia's Education Manager about how to protect the Gold Coast beaches from erosion.

EXPLORE NOW

Why Satellites Rock (Camp Landsat)

From volcanoes to meandering rivers, Landsat shows us how our planet's landscapes are reshaped.

EXPLORE NOW

Peaks and Valleys

A StoryMap tour in 3D across the globe of our planet's highest and lowest spots; including landforms such as crags, cliffs, chasms, escarpments, mountain ranges, deep canyons and abyssal ocean trenches.

EXPLORE NOW

Iceland

A journey along the Ring Road, or Golden Circle to learn about Icelandic nature including volcanoes, northern lights, oceans, and glaciers.

EXPLORE NOW

How Deep is Challenger Deep?

A StoryMap that explores the lowest point on the Earth's crust through amazing visuals and illustrations.

EXPLORE NOW

Illuminating the Deep

This StoryMap investigates the scientific journey taking place to uncover the secrets that lie at the deepest parts of Earth's oceans.

EXPLORE NOW

Seven Wonders: Natural World

The Seven Natural Wonders, a conservation effort initiated in 2008, seeks to raise awareness of the most remarkable natural places and phenomena of Planet Earth and beyond.

EXPLORE NOW

Bears Ears Restored

Bears Ears and Grand Staircase-Escalante National Monuments are to be restored to their original size, protecting millions of acres.

EXPLORE NOW

A World of Circles

Explore both naturally occurring and man-made circles in this StoryMap that takes you on a journey of circles that appear on Earth.

EXPLORE NOW

Hazards and Disasters

StoryMap examples of hazards can help students recognise hazard zones and analyse spatial distribution of the hazard to describe geographic patterns. They can help students identify the implications for people and environments and analyse the vulnerability of local communities and identify ways to respond.

Natural Hazards

Exploring Tectonic Hazards (Teach with GIS hub)

This StoryMap uses the new Map Viewer Beta in ArcGIS Online to explore real time earthquakes, volcanoes, plate boundaries and their proximity to major cities.

EXPLORE NOW

La Palma Eruption Teaching Resources

A collection of classroom ready GIS based applications for teaching about the La Palma eruption by Jason Sawle, UK Esri Education Team.

EXPLORE NOW

Dealing with Disasters (Camp Landsat)

As landscapes change along with the climate, Landsat and other satellites are giving fire managers valuable information that helps protect people.

EXPLORE NOW

In the Shadow of a Volcano

This StoryMap follows a Volcano Expedition Team that travelled to Guatemala on a National Geographic funded expedition to better forecast when eruptions will occur and support communities that live with this risk.

EXPLORE NOW

Discovering Patterns in Global Wildfires

This StoryMap examines patterns in global wildfires using data from NASA's Aqua satellite and a GIS to measure changes in the ocean, on land, and in the atmosphere to track changes in wildfires.

EXPLORE NOW

Wildfires

A collection of 5 stories about wildfires and their impact from Esri UK and the Met Office.

EXPLORE NOW

Australia's Black Summer

A StoryMap about how an unprecedented fire season of extreme bushfires, floods and smoke impacted Australians from September 2019 to early 2020.

EXPLORE NOW

Wildfire in the Western United States

This StoryMap is about how fire is a powerful land management tool to restore health and balance to wildlands as the climate continues to change.

EXPLORE NOW

Natural Hazards continues »

Studying the 2019-2020 Australian Bushfires Using NASA Data

Created in partnership between NASA Langley Research Center's Atmospheric Science Data Center, Science Directorate, and the NASA Disasters Program

EXPLORE NOW ▸

Drones, GIS and Bushfire Recovery

A StoryMap created by the She Maps Education Team about the Black Summer Bushfires that roared through 24 million hectares of Australian bushland in 2019/20. How can drones and GIS be involved in the recovery?

EXPLORE NOW ▸

67 Bushfire Stories

Over 260 accounts (video, newspaper, images, personal stories) of the 1967 Bushfires in Tasmania using the ArcGIS StoryMap Tour Application.

EXPLORE NOW ▸

Motion of Tectonic Plates (classic)

This classic StoryMap gives a comprehensive look at the Earth's tectonic plates and what lies beneath them using maps, videos, animations and geospatial information.

EXPLORE NOW ▸

What's On Our Plates?

Three New Zealand organisations teamed up to create this collection of 9 learning modules about Aotearoa New Zealand's plate boundary, the Hikurangi subduction zone and the Alpine Fault. They are designed as a set and are based on the NZ Curriculum L4-6. **Click here** to go to the East Coast Lab website with teacher resources for each of the StoryMaps.

EXPLORE NOW ▸

Ecological Hazards

Malaria on the Frontlines

An interactive tour of the communities around the world fighting to end malaria for good.

EXPLORE NOW ▸

Malaria in Kenya (student report)

A StoryMap of a geography student's Internal Assessment report with a focus on the Lakeside endemic region of Lake Victoria.

EXPLORE NOW ▸

Mapping the Spread of Disease

A collection of 5 StoryMaps lessons in an instructional format to investigate disease.

EXPLORE NOW ▸

Changing Nations

(Urbanisation and Migration)

Year 8 *Changing Nations* investigates the changing human geography of countries, as revealed by shifts in population distribution. The spatial distribution of population is a sensitive indicator of economic and social change, and has significant environmental, economic and social effects, both negative and positive.

The Age of Megacities

This StoryMap explores the giant urban agglomerations called megacities, visualised through globe animations, and a sidecar immersion with map actions that chronicles the historic growth of 10 of today's largest cities with side panel images from Esri's Living Atlas world imagery.

EXPLORE NOW ➜

The Human Reach*

Understanding the global scale of human activities by discussing population density, urbanisation and human footprint. *This is the first chapter in Living in the Age of Humans, a series of stories examining the planet-wide impacts of our species.*

EXPLORE NOW ➜

Urban Growth of Indonesia's Mega City

Predicting the future of Jakarta Metropolitan Area (JMA)'s urbanisation.

EXPLORE NOW ➜

Grace and Delight

This StoryMap shows the evolution of public spaces in the four American cities of New York, Washington, D.C., San Francisco, and Chicago, showcasing how effective interactive swipe maps can be.

EXPLORE NOW ➜

Population Challenges in Australia (student report)

A student Senior Geography report in a StoryMap format investigating the demographics of Pimpama in Queensland.

EXPLORE NOW ➜

The Challenges Facing Jakarta's Future (map journal)

Esri Australia has created this StoryMap about the megacity of Jakarta, the capital of Indonesia, which faces a number of environmental, economic and social challenges, which if not addressed could negatively impact on the future of the city and its residents.

EXPLORE NOW ➜

Mapping Social Diversity and Inequality in Australia

This StoryMap showcases excellent maps of social demographic data (ethnicity, occupation, age, income, and housing costs) to identify disadvantaged and marginalised neighbourhoods in Australian cities.

EXPLORE NOW ➜

Changing Nations continues »

EO Toolkit for Sustainable Cities and Human Settlements

Tracking progress towards Sustainable Development Goal 11 and the New Urban Agenda.

EXPLORE NOW ›

Searching for Shelters

Mapping change in IDP (Internally Displaced People) camps in Western Afghanistan.

EXPLORE NOW ›

In Search of Refuge

This StoryMap is mapping forced displacement from 1951 to 2020 across the globe.

EXPLORE NOW ›

Urban Africa

A StoryMap by Esri about rapid migration from rural areas to expanding cities on the African continent.

EXPLORE NOW ›

Rohingya Refugee Emergency at a Glance (cascade)

The influx to Bangladesh is one of the largest and fastest-growing refugee crises in decades.

EXPLORE NOW ›

No Home Away From Home

Forced to flee their homeland, Venezuelan refugees and migrants now face widespread risk of eviction and homelessness in their new country.

EXPLORE NOW ›

Airbnb on Island Nations

An interesting look at the effects of over-tourism, and how the macroeconomics of the tourism industry impacts the people on island nations.
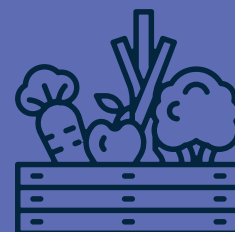
EXPLORE NOW ›

Sizing Up the City (Camp Landsat)

Urban planners are using Landsat to take stock of city growth and its environmental impact.

EXPLORE NOW ›

Biomes and Food Security

Year 9 *Biomes and Food Security* examines the biomes of the world, their alteration and significance as a source of food and fibre, and the environmental challenges of and constraints on expanding food production in the future.

Biomes

The Map of Biodiversity Importance: Top 10

With support from Esri, The Nature Conservancy, and Microsoft's AI for Earth program, NatureServe created a comprehensive set of habitat models for over 2,200 at-risk species in the contiguous United States. This StoryMap reveals NatureServe's findings from its Map of Biodiversity Importance, an innovative tool for identifying areas critical to sustaining our nation's rich biodiversity.

EXPLORE NOW ➤

The Diversity of Life*

This StoryMap is a visually stunning look at the world's biomes and their distribution, importance and threats and how terrestrial and marine protected areas can save biodiversity. *This is the fourth chapter in Living in the Age of Humans, a series of stories examining the planet-wide impacts of our species.*

EXPLORE NOW ➤

Great Wetlands of the World

This StoryMap investigates wetlands around the world and assesses the benefits of protecting these places.

EXPLORE NOW ➤

Global Ecosystem Explorer (cascade)

This is a UK StoryMap that has practice questions for students about the distribution of global biomes.

EXPLORE NOW ➤

These Trees (Camp Landsat)

Landsat helps us know how much of Earth is forest-covered and how it changes year-to-year.

EXPLORE NOW ➤

The Diversity of Life: Atlas

Explore the colorful world of biodiversity with interactive maps. *This collection of interactive maps accompanies The Diversity of Life, the fourth chapter in an ongoing series of stories examining humankind's.*

EXPLORE NOW ➤

A World of Forests*

Trees are essential for life on Earth. Are we caring for them responsibly? *This is the third chapter in Living in the Age of Humans, a series of stories examining the planet-wide impacts of our species.*

EXPLORE NOW ➤

Food and fibres

Climate and Ugandan Coffee

This StoryMap created by Conservation International, takes you on a virtual journey through East Africa by investigating the production and export of coffee in Uganda, as well as the environmental challenges faced by the Ugandan population that threatens this production.

EXPLORE NOW ➔

Empowering Maasai Women

A StoryMap of how the African Conservation Centre (ACC) is impacting the lives of pastoral communities in Kenya by empowering Maasai women living in these areas to get involved in various social economic enterprises.

EXPLORE NOW ➔

Mapping the Thanksgiving Harvest

The maps presented in this StoryMap reveal a surprising diversity of patterns and concentrations of the origins of the food that goes on the table at Thanksgiving.

EXPLORE NOW ➔

(Farm) Animal Planet

This StoryMap looks at the spatial distribution of livestock around the globe, and the consequences of increasing demand.

EXPLORE NOW ➔

From Farm to Mess Hall (Camp Landsat)

Thermal information data from Landsat is important for calculating how much water plants are using and for helping farmers water wisely.

EXPLORE NOW ➔

The Cost of Beef (cascade)

This StoryMap visualises the story behind beef consumption, and how eating meat comes at a considerable cost to the environment and threatens our ability to feed the world's growing population.

EXPLORE NOW ➔

Seeds for Recovery

A StoryMap by AgHive and the American University of Beirut about how Syria has been affected by one of the most complex crises in the world that has had a drastic negative economic impact on all sectors including agriculture.

EXPLORE NOW ➔

Farming For the Future

A StoryMap by Esri and the US Department of Agriculture, following fifth-generation farmers and how science, data, and location intelligence supports sustainable agriculture in the United States.

EXPLORE NOW ➔

The Global Lives of Cotton

A StoryMap about cotton, farmers, weavers, scientists, and wearers of an ancient global commodity chain.

EXPLORE NOW ➔

The Living Land*

A look at how humans use the Earth's limited land space. *This is the second chapter in Living in the Age of Humans, a series of stories examining the planet-wide impacts of our species.*

EXPLORE NOW ➔

Geographies of Interconnections

(Globalisation)

Year 9 *Geographies of Interconnections* focuses on investigating how people, through their choices and actions, are connected to places throughout the world in a wide variety of ways, and how these connections help to make and change places and their environments. It examines the ways that transport, information and communication technologies have made it possible for an increasing range of services to be provided internationally.

The Human Reach*

This StoryMap explores human population density, urbanisation, transport and communication networks via globe animations, and the extent of the human footprint. *There is a chapter on networks in this StoryMap that outlines the degree to which we are connected through transportation and communication systems.*

EXPLORE NOW

Make Way for Whales

Shifting shipping lanes to protect migratory marine mammals.

EXPLORE NOW

Spatial Change in Nike Sneakers (student report)

A student report presented as a StoryMap on how and why the geography of Nike sneaker production and consumption has changed over the company's history.

EXPLORE NOW

The Secret Life of Bridges

A look at the state of America's infrastructure of bridges with full width annotated maps.

EXPLORE NOW

A Global Outcry From Communities Seeking Ocean Justice

This StoryMap investigates how the Global Shipping Industry should be held accountable for the extensive damage caused to vulnerable habitats and their communities.

EXPLORE NOW

Seven Wonders: Engineering Feats

This StoryMap by the American Society of Civil Engineers presents seven modern engineering marvels, stretching from South America to Europe.

EXPLORE NOW

Environmental Change and Management

Year 10 *Environmental Change and Management* focuses on the environmental functions that support all life, the major challenges to their sustainability, and the environmental world views that influence how people perceive and respond to these challenges.

Adapting to Rising Sea Levels in Marshall Islands

Understanding the Pacific atoll nation's adaptation pathways to build resilience to sea level rise and climate change.

EXPLORE NOW ❯

Plastic Pollution

A StoryMap from the Eagle Technology GIS in Schools Programme, shows how at least 14 million tonnes of plastic pieces, less than 5mm wide, are likely sitting at the bottom of the world's oceans.

EXPLORE NOW ❯

ArcGIS Living Atlas Indicators of the Planet

A Global GIS for Global Issues.

EXPLORE NOW ❯

Climate Crisis: Phillip Island

This StoryMap looks at how Phillip Island's iconic wildlife is being impacted by climate change in Victoria, Australia.

EXPLORE NOW ❯

Global Air Quality

This StoryMap explores 19 years of particulate matter in the air we breathe using ArcGIS Living Atlas of World.

EXPLORE NOW ❯

State of the Global Climate 2020

Explore the World Meteorological Organisation' Statement of the Climate which uses seven global climate Indicators to describe the changing climate.

EXPLORE NOW ❯

Cylinder Beach Field Report (student report)

A field report on the land transformations at Cylinder Beach, North Stradbroke Island by a Queensland Senior Geography student. This StoryMap is a finalist in the 2021 ArcGIS StoryMaps Challenge for Restoring Our Ocean.

EXPLORE NOW ❯

30x30: A Movement to Protect a Third of Our Planet's Surface

This is a perfect example of how StoryMaps can be used for advocacy and a call to action. Esri and The Campaign for Nature created this story to campaign for the 'Road to 30' initiative after President Biden pledged to conserve 30% of America by 2030 in January 2021.

EXPLORE NOW ›

Climate Migrants

The coming decades will see a huge increase in the number of people who migrate due to climate change and its many effects, including rising sea levels, extreme heat, floods, droughts, and conflict. Esri's StoryMaps team collection.

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Protecting Canberra's Air Quality

Canberra recorded its worst ever air quality after the 2019/20 Summer (the 'Black Summer'), and for many days they had the worst air quality of any city in the world.

EXPLORE NOW ›

Oil Spill Assessment for Marine Mammals

NOAA publishes new guidelines assessing exposure and impacts of oil spills on marine mammals.

EXPLORE NOW ›

Growing in Harmony With Nature

Smithsonian scientists work alongside local communities to ensure a vibrant future for people and wildlife.

EXPLORE NOW ›

Hot Numbers

A StoryMap that explores human impacts driving climate change and the consequences that this will have for the planet. Distilling complex issues into a few numbers risks oversimplification, but doing so can help us get our heads around some big concepts.

EXPLORE NOW ›

Looking Below the Surface

A StoryMap by the World Wildlife Fund about carbon dioxide and corals, and Goal 14 of the UN's Sustainable Development Goals (SDGs): to conserve and sustainably use the oceans, seas and marine resources for sustainable development.

EXPLORE NOW ›

Big Dams: Boon or Bane?

The Esri StoryMap Team examines the mixed blessing of big dams in this StoryMap, first by visiting some of the world's largest, then by exploring dams as hazards and examining two rivers that have been radically altered by dam-building programs.

EXPLORE NOW ›

Mapping Environmental Crime in the Amazon

This StoryMap investigates how the Amazon rainforest is approaching a catastrophic tipping point because of massive forest fires and land clearances due to criminal activities such as land clearances, illegal logging, wildcat mining and wildlife trafficking.

EXPLORE NOW ›

Biodiversity and Conservation

StoryMaps about biodiversity of our planet and the conservation of species can not only be used in the geography and biology classrooms, but can envoke a love for our amazing planet and advocate for our students to save the planet. We have selected some of our favourite stories about the natural world below, and there are many more available. David Attenborough would be proud!

The Half-Earth Project

The Half-Earth Project is working to reverse the species extinction crisis that threatens ecosystems around the world by conserving half the planet for biodiversity.

EXPLORE NOW ⊙

30x30 Stories

This StoryMap is a collection of 10 stories supporting the global campaign to protect 30 percent of Earth's lands and waters by 2020.

EXPLORE NOW ⊙

Map for Conservation (Camp Landsat)

Landsat can be used to monitor animal habitats across the globe.

EXPLORE NOW ⊙

The Map of Biodiversity Importance: An Overview

The NatureServe network provides a resource for governments, conservation organisations, corporations, land owners, the scientific community, and the general public to make informed decisions about sustaining the diversity of life upon which we all depend.

EXPLORE NOW ⊙

Creative Uses of StoryMaps for Conservation

The Esri StoryMaps Team shows how this StoryMap can be used for advocacy and outreach, education and to deliver public information which are fundamental to protected area management.

EXPLORE NOW ⊙

On the Brink

This StoryMap by Esri examining animal species that are extinct or endangered and the human impacts that have led to their demise.

EXPLORE NOW ⊙

A Homecoming for Gonarezhou's Black Rhinos

A StoryMap by the Rhino Recovery Fund detailing how Zimbabwe has a new stronghold for black rhinos 12 years in the making.

EXPLORE NOW ⊙

The Comeback

How Mountain gorillas have staged a comeback in Africa.

EXPLORE NOW ⊙

Biodiversity and Conservation continues »

Ivory Trafficking
A StoryMap investigating the global networks of the illegal ivory trade.

EXPLORE NOW

Discovery, Innovation and Hope
A StoryMap by the Jane Goodall Institute honoring the Global Impact of Gombe and Jane Goodall.

EXPLORE NOW

Monitoring Habitat Change for a Sustainable KAZA
WWF and FAO join forces to detect the loss of natural habitats in the Kavango-Zambezi Transfrontier Conservation Area.

EXPLORE NOW

Purpose and Penguins
Penguins, Antarctica and the Homeward Bound Expedition about the leadership journey into Antarctica's icy wilderness.

EXPLORE NOW

The Trade of Elephant Ivory Across the Greater Mekong Region
An overview of trade in physical and online markets across the region by TRAFFIC.

EXPLORE NOW

Improving Our Coastal Ocean
Learn how GEO Blue Planet, Esri and partners are merging open data with GIS to address ocean health.

EXPLORE NOW

Great Barrier Reef
A StoryMap showing the amazing ecosystem of the Great Barrier Reef and the threats to its future.

EXPLORE NOW

People and Planet (GCSE)
A UK StoryMap (with David Attenborough wisdom) about our relationship with nature and how humans are threatening its future.

EXPLORE NOW

Morning Safari
Using storytelling to help protect wildlife in Lake Nakuru National Park.

EXPLORE NOW

On the Move: Pronghorn Migrations Across Seasons
Like many other species of the Great Plains, pronghorn were hunted to near extinction by the end of the 1800s and even though today, the species numbers have revived, the threats have also become more complex and far-reaching.

EXPLORE NOW

Geographies of Human Wellbeing

Year 10 *Geographies of Human Wellbeing* focuses on investigating global, national and local differences in human wellbeing between places. This unit examines the different concepts, and measures of human wellbeing, and the causes of global differences in these measures between countries.

An Analysis of the Global HDI Score Methodology

This Esri StoryMap outlines key issues in comparing index scores across a period of time focusing on Human Development (HDI) Scores.

EXPLORE NOW ⊙

A New Wave of Water Champions

A StoryMap by the Global Women's Water Initiative that examines the role of grassroots women in providing clean water and sanitation to bring health, wealth and opportunities to their communities.

EXPLORE NOW ⊙

Malaria on the Frontlines

An interactive tour of the communities around the world fighting to end malaria for good.

EXPLORE NOW ⊙

Malaria in Kenya (student report)

A StoryMap of a geography student's Internal Assessment report with a focus on the Lakeside endemic region of Lake Victoria.

EXPLORE NOW ⊙

Mapping the Spread of Disease

A collection of 5 StoryMaps lessons in an instructional format to investigate disease.

EXPLORE NOW ⊙

Sustainable Development Goals

Sustainability is a key geographical concept and a cross curriculum priority for the Australian curriculum and you will find a plethora of StoryMaps about the SDGs.

Global Goals, Global Impact

This StoryMap demonstrates how CARE and their partners in 81 countries have contributed to significant change in 11 of the 17 Sustainable Development Goals for 157 million people.

EXPLORE NOW ⊙

The Sustainable Development Solutions Network Collection

This collection of stories is published by the UN Sustainable Development Solutions Network (SDSN) as part of SDGs Today: The Global Hub for Real-Time SDG Data.

EXPLORE NOW ⊙

SDGs Today

The global hub for real-time Sustainable Development Goals (SDG) data. Sustainable Development Solutions Network (SDSN).

EXPLORE NOW ⊙

Measuring Success

Tracking the progress of the Sustainable Development Goals (SDG).

EXPLORE NOW ⊙

Finalists for the 2020 Storyteller of the Year and 2020 ArcGIS StoryMaps Competition

A collection of winning stories from the 2020 Storyteller of the Year about the Sustainable Development Goals (SDG).

EXPLORE NOW ⊙

COVID-19

Livelihoods, Food and Futures: COVID-19 and the Displaced

A StoryMap by UNHCR and the UN Refugee Agency outlines how displaced people already at risk before COVID, face new barriers to work, education, food, and social protection.

EXPLORE NOW ⊙

COVID-19 and Refugees

A StoryMap by UNHCR that shows maps, stats and facts on how the pandemic has impeded efforts to protect the displaced and affected their access to basic rights.

EXPLORE NOW ⊙

Where are All the COVID-19 Vaccines?

Tracking the COVID-19 Vaccine Procurement for a Global Recovery.

EXPLORE NOW ⊙

An Unequal Pandemic

Insights and evidence from Communities and Civil Society Organisations.

EXPLORE NOW ⊙

Notable Collections

Living in the Age of Humans

A collection of 4 stories examining the planet-wide impacts of human activities.

EXPLORE NOW ›

The Deep

A collection of 4 stories by Caladan Oceanic who are on a series of expeditions to explore and map the deepest parts of our oceans in unprecedented ways.

EXPLORE NOW ›

Sharing Science Through Storytelling

Explore the planet's lands and waters through interactive stories by government agencies, educators, and students, and nonprofit organisations.

EXPLORE NOW ›

Federal Agencies are Making Great Stories

Discover the many ways that US federal agencies are using ArcGIS StoryMaps for successful internal and external communication.

EXPLORE NOW ›

National Geographic Explorer Stories

A collection of over 50 StoryMaps by scientists, conservationists, storytellers, and educators around the world.

EXPLORE NOW ›

African Conservation StoryMaps

A collection of 15 StoryMaps about protected area management efforts in Africa.

EXPLORE NOW ›

Lands of Freedom

A StoryMap collection from the Amazon Conservation Team about the oral history and cultural heritage of the Matawai Maroons in Suriname.

EXPLORE NOW ›

Impacts of COVID-19 on Refugees and Displaced Communities

A collection of 4 StoryMaps showing how the UN Refugee Agency and UNHCR uses ArcGIS.

EXPLORE NOW ›

Restoring Our Ocean

A collection of 50 inspiring stories about ocean exploration, marine wildlife and habitat, innovative tech for mapping ocean data, and more.

EXPLORE NOW ›

Notable Collections continues ››

Wildfire Maps

This collection of 30 stories was started in 2020. At that time with many fires across the west, GIS Specialists and Public Information Officers were creating these amazing products to communicate important information about the fires they work on.

EXPLORE NOW ›

The COVID-19 Memory Archival Project

This collection of stories is an initiative from Duke Kunshan University to create an archive of the communities, individual, and shared experiences during the 2019 novel coronavirus outbreak utilising StoryMaps, rich media and storytelling.

EXPLORE NOW ›

Hope Spot StoryMaps

A collection of 30 StoryMaps by Mission Blue, a global coalition inspiring public awareness of a worldwide network of marine protected areas.

EXPLORE NOW ›

Outstanding Stories From the ArcGIS StoryMaps Community

A collection of 40 of Allen Carroll's favorite StoryMaps created by storytellers from government, nonprofits, and elsewhere.

EXPLORE NOW ›

UC Davis GIS Class – Summer Session 1, 2020

Karen Beardsley, a professor at UC Davis, aggregated her students' final projects into this collection about the UN Sustainable Development Goals.

EXPLORE NOW ›

Why We Love the StoryMaps Competition Finalists

A critique of the top 15 finalists in the 2019 StoryMapper of the Year Competition.

EXPLORE NOW ›

Sharing Science Through Storytelling

Explore the planet's lands and waters through interactive stories by government agencies, educators and students, and nonprofit organizations.

EXPLORE NOW ›

An Ocean of StoryMaps (classic)

An older classic collection of StoryMaps about ocean science and conservation.

EXPLORE NOW ›

Drones and STEM

Why FEMA Should Care About 360 Drone Panoramas

A StoryMap about the lessons learned from the California wildfires and how drones are increasingly being used in disaster zones to provide high-resolution photos that can be processed into detailed maps.

EXPLORE NOW ➤

ArcGIS Drone Collections

A StoryMap using Esri imagery and remote sensing to collect, process, analyse, manage, and share intelligence from drones using the ArcGIS Drone collection of tools to create authoritative GIS-ready products from drone imagery.

EXPLORE NOW ➤

Meet Dr. Vanessa Bézy

Dr. Vanessa Bezy is a sea turtle marine biologist and conservationist in Costa Rica. This StoryMap outlines her research which involves state of the art technology and innovative practices, such as 3D modeling and aerial drone surveys to create educational outreach tools for students and the public.

EXPLORE NOW ➤

Drones, AI and Sea Cucumbers

A StoryMap by She Maps Education Team profiling Joan Li who is a geospatial scientist at GeoNadir using deep learning and drone imagery to detect sea cucumbers on the coral reef flats of the Great Barrier Reef.

EXPLORE NOW ➤

Stories From Above

A StoryMap created by She Maps Founder and GeoNadir data scientist, Dr Karen Joyce, who allows her drone images to tell the story with amazing pictures from above.

EXPLORE NOW ➤

Drone Capabilities

Waukesha County's StoryMap on drone technology takes us through a richly-illustrated summary of the impressive capabilities of drones, lidar, and mapping.

EXPLORE NOW ➤

Drones, GIS, and Mapping

This StoryMap discusses how drones, GIS and mapping can be used to gather, analyze, and display geographical data.

EXPLORE NOW ➤

Drones and STEM continues »

Using UAVs to Aid Policy and Decision-making in Western Ghana

This StoryMap explores advances in technology over the last decade using Unmanned Aerial Vehicles (UAVs), and the imagery they capture, a valuable tool for environmental research and scientific analysis by USAID.

EXPLORE NOW

The Bare Earth (cascade)

This StoryMap shows how LiDAR exposes geology and explores how geologists in Washington State use different bare-earth lidar products to map geology, landslides, and faults; study volcanoes, glaciers and rivers, and to model tsunami inundation.

EXPLORE NOW (LOGIN REQUIRED)

Drones and GIS

A StoryMap about the making of Silverdale Baptist Academy's Campus Map by Nathan Fisk.

EXPLORE NOW

Environmental Mapping with Drones

Examples of how drones are used for environmental mapping and humanitarian disaster relief.

EXPLORE NOW

LiDAR Discovery

Explore the amazing detail of the Muskoka LiDAR survey in this StoryMap.

EXPLORE NOW

Monitoring Methane Emissions in Alaska with Drone Technology

In Summer 2019, a group of researchers from the Woodwell Climate Research Center and Montana State University traveled to Big Trail Lake, Alaska to collect in-situ measurements and capture drone imagery of the site.

EXPLORE NOW

Augmenting Amache

This StoryMap explains the quest to preserve Colorado's forgotten Japanese internment camp using 3D and augmented reality and Eos Positioning Systems.

EXPLORE NOW

Arts and Culture

Geography is sometimes referred to as the science of where, but place is also tied to aesthetics and maps can be works of art as well...

History and the City

A beautiful StoryMap showing old maps and new views of Manhattan through space and time.

EXPLORE NOW

A Virtual Road Trip

This StoryMap explores America's National Parks through a virtual road trip of Charley Harper's National Park Service posters.

EXPLORE NOW

Very Large Art (cascade)

An aesthetically pleasing StoryMap in the cascade format that looks at large landscape art created in gardens, on farms, and in airports.

EXPLORE NOW

A Brief History of Fantastic Maps (cascade)

This StoryMap in cascade format, takes you on a journey from Paleolithic cave drawings to the futuristic possibility of immersive geographies; exploring Babylon, Dante, Treasure Island, Winnie the Pooh and Tolkien along the way.

EXPLORE NOW

Memorials and Memories (9/11 Anniversary 2021)

A tour of monuments, large and small, in remembrance of the events of September 11, 2001, now 20 years on.

EXPLORE NOW

About She Maps

At She Maps, we believe every student deserves to succeed with STEM, and every teacher should be empowered to help them do it. We boast the academic rigour and industry alignment that no other STEM based education program can offer.

We provide rich learning experiences, built on a foundation of problem solving, creative thinking, and collaboration, through the use of digital technology. What makes our STEM programs stand out is that each program is linked to real-world relevance, developing STEM skills, understanding industry application, and solving real-life problems. Our programs are tailored to meet the needs of the school.

We provide schools with everything they need, including high quality teaching resources, professional online learning, curriculum links, lesson plans, activities, scope and sequence, video training, drone purchasing advice and ongoing teacher support and coaching.

She Maps is a certified social enterprise, focused on increasing the diversity in STEM. Our program outcomes are aligned with the 'Women in STEM Decadal Plan', the Australian Government's 'Advancing Women in STEM' agenda and multiple state government STEM education and STEM industry development strategies.

Over the last four years, of the 5,000+ students who have participated in our program, 70% have been female.

We place an emphasis on providing a safe space for girls to participate and explore the technology, this builds their confidence in STEM.

When we work with teachers, we also explain our rationale around promoting women in STEM, raising the awareness of the unconscious bias that exists in our society. We have proven unequivocally that we can engage, educate, and empower girls and women to stand up and be counted.

Paul Mead
Managing Director

Dr Karen Joyce
Education Director

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