



Maps Mission Action

Cause-related cartography at National Geographic



Networks and Complex Systems

This talk series is open to all Indiana University faculty and students interested in network analysis, modeling, visualization, and complex systems research.

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Visualization → Communication → Action
Organizing information Storytelling



MAPS, MISSION...

20th Century

history of mapping at National Geographic

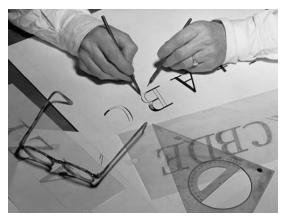
...ACTION

21st Century

tradition + technology



National Geographic founded in 1888



Cartographic division established in 1915



...in the waning days of the Age of Exploration



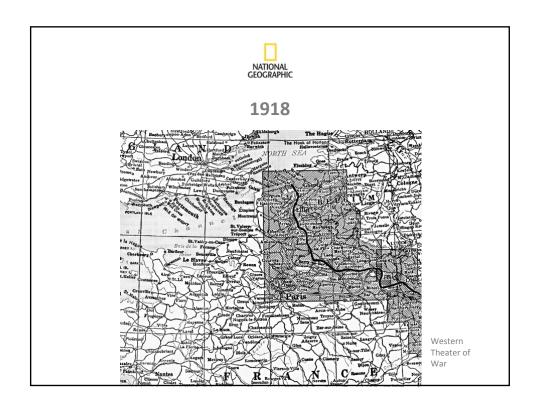
Arctic Regions, November 1925

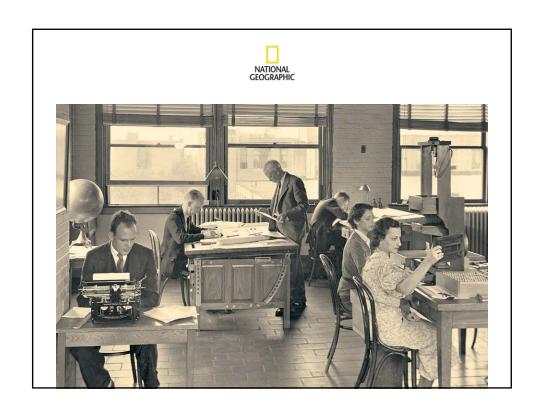


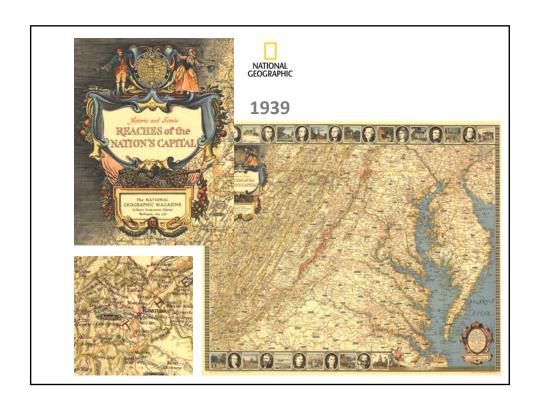
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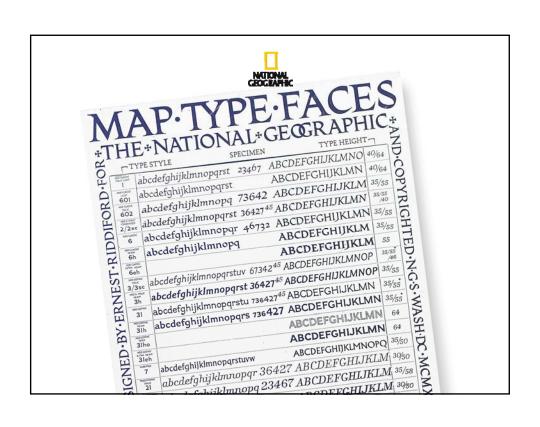


Albert Bumstead, first Chief Cartographer





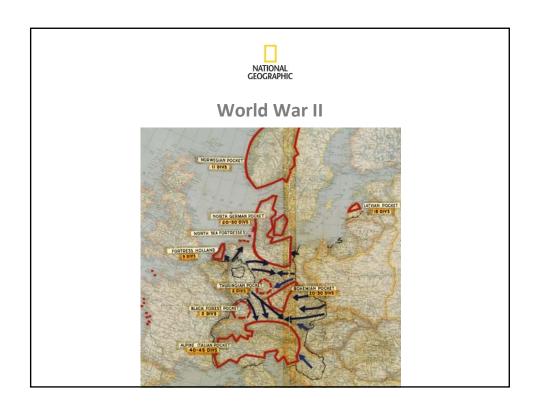


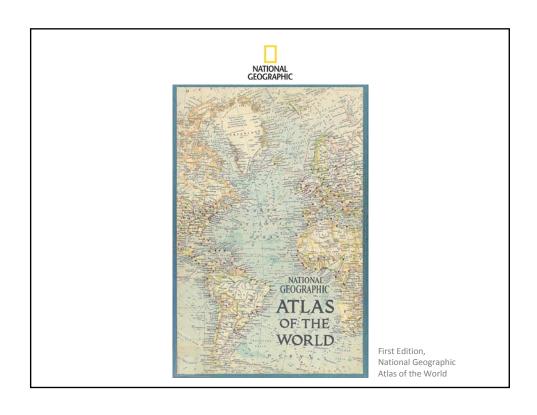


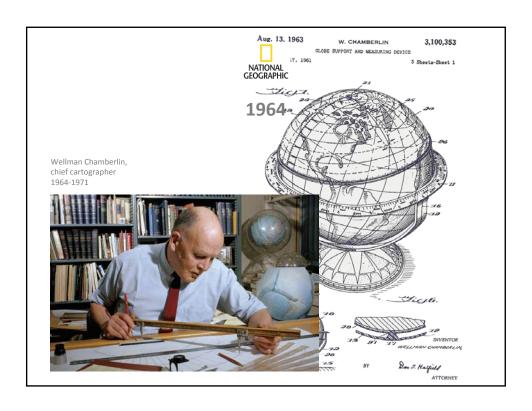


World War II





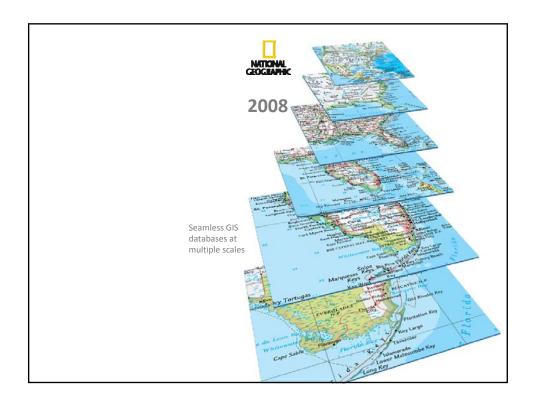














21st Century

Accelerating change

Technology: Remote sensing, GIS, GPS, networked

computing Visualization Platforms: Google Earth, Virtual Earth (Bing)

The GeoWeb: Volunteered geographic information, Mashups, Open Street Map, Wikimapia, location-enabled smart phones

Geography: From observational to analytical; from qualitative to quantitative; from noun to active verb

The World: Globalization, climate change, endangered

species, ecosystems and cultures



21st Century **Change at National Geographic**

Mission, articulated in 1888:

to increase and diffuse geographic knowledge

21st century:

National Geographic's global reach: 32 local language magazines, worldwide distribution via television

inspiring people to care about the planet



What role does cartography play?

MAPS accuracy

authority

curated (structured) content

map-based storytelling

MISSION inspiration

education

sustainability

ACTION learn

share

participate



Four new platforms

LandScope

FieldScope

Geotourism MapGuides

Global Action Atlas







MAP

The conservation guide to America's natural places

MISSION

Inspire and inform place-based conservation action

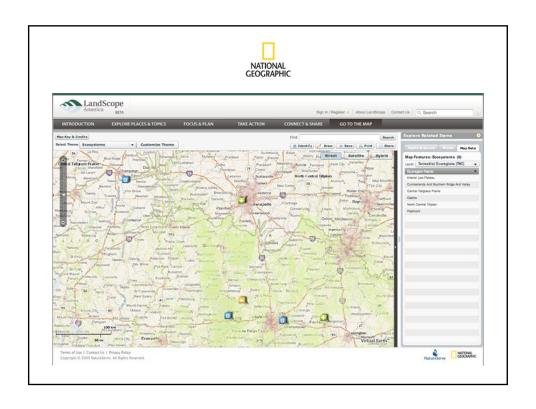
ACTION

Increase the pace and effectiveness of land protection











LandScope America

www.landscope.org



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MAP

Prototype mapping and analysis tool for K-12

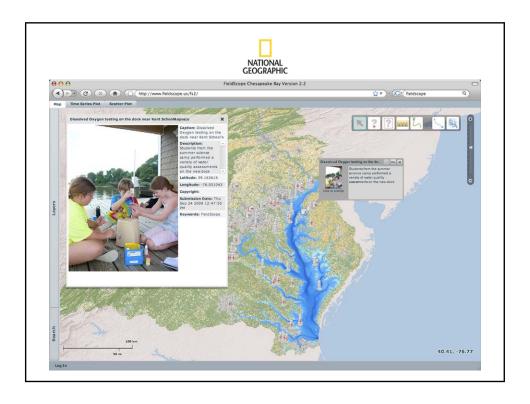
MISSION

Get schoolkids excited about geography through technology

ACTION

Get schoolkids into the field, collecting real data

Enable them to do real spatial analysis in a user-friendly
web environment





Fieldscope

www.fieldscope.us







MAP

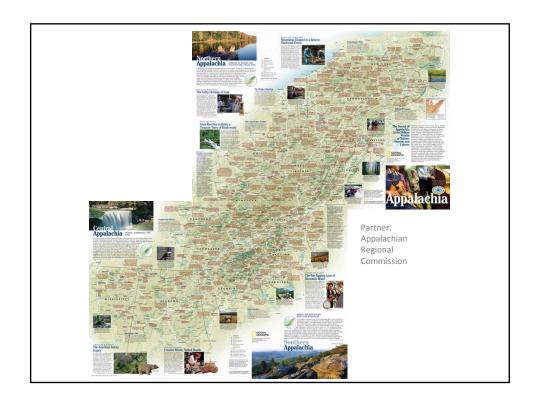
Tourist destinations: Greater Yellowstone, etc.

MISSION

Promote tourism that sustains or enhances the geographical character of a place—its environment, culture, aesthetics, heritage, and the well-being of its residents.

ACTION

Travel sustainably





Geotourism

Vermont's Northeast Kingdom

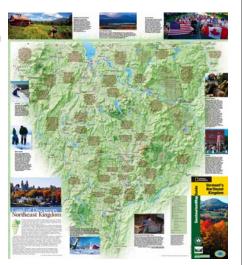
Baja California

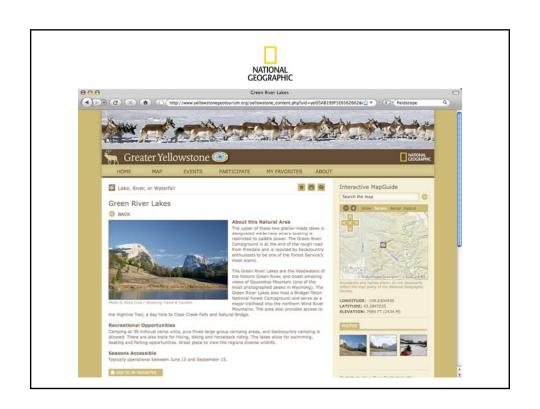
Crown of the Continent

Arizona-Sonora

Peru's Vilcanota Valley

Greater Yellowstone







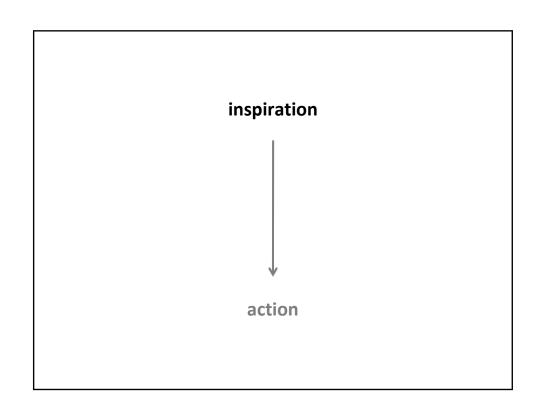
Geotourism

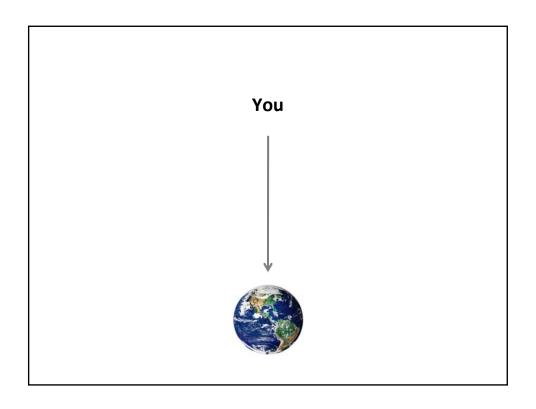
www.yellowstonegeotourism.org

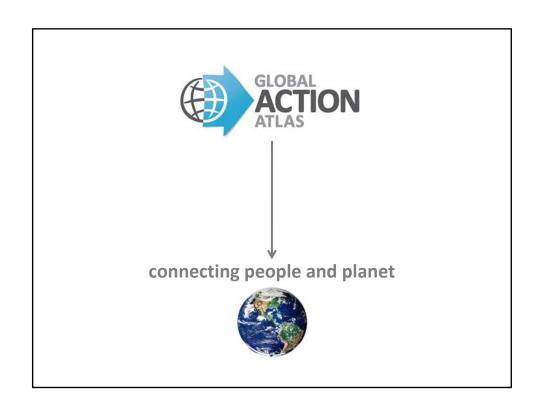
http://www.nationalgeographic.com/travel/sustainable/













What is the Global Action Atlas?

An online resource that will expose thousands of local, cause-related projects around the world to a large audience of concerned citizens

...giving individuals opportunities to **take action** by donating, volunteering, advocating, and sharing information.



What is our mission?

Engage people to discover and support a planet-spanning array of local efforts to solve the major challenges facing society and nature.



What is our vision?

Tap the worldwide reach and convening power of the National Geographic brand...

to mobilize a vast corps of concerned world citizens...

to support thousands of local projects that will collectively change the world



Where are we now?

"Alpha" site up and running

About 200 projects exposed across all theme areas

Rapidly growing list of partnership and funding opportunities

November 2009: beta; February 2010: launch



Who is participating?

Action Against Hunger

African Medical and Research Foundation

Agua Para La Vida

American Bird Conservancy American Prairie Foundation

AMREF

Basecamp Explorer

CARE

Catholic Relief Services Cheetah Conservation Fund Conservation International EarthWatch Institute

El Porvenir

Freedom to Roam

Global Viral Forecasting Initiative

Great Plains Conservation

HandsOn New Orleans

Helen Keller International

Lifewater International

Lindblad Expeditions

Mercy Corps

National Audubon Society

New Forests

NG Enduring Voices initiative

NG Geotourism initiatives

NG Mission Programs/research grantees

New Forests Project

Planet Action

RARE

Save the Children

The Nature Conservancy

Volunteers for International Partnership

Water Advocates

WaterAid

Water for People

WaterPartners International

WILD Foundation

Wildlife Conservation Society

World Vision

World Wildlife Fund

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Demo





actionatlas.org



Some key ideas

organizing information

aggregation distribution

macrocosm | microcosm

inspiration action people planet



organizing information

L A T C H

location alphabet time category hierarchy

Richard Saul Wurman, Information Anxiety 2

organizing information

L A T C H

location! alphabet time category hierarchy

our place:
authoritative, curated content

