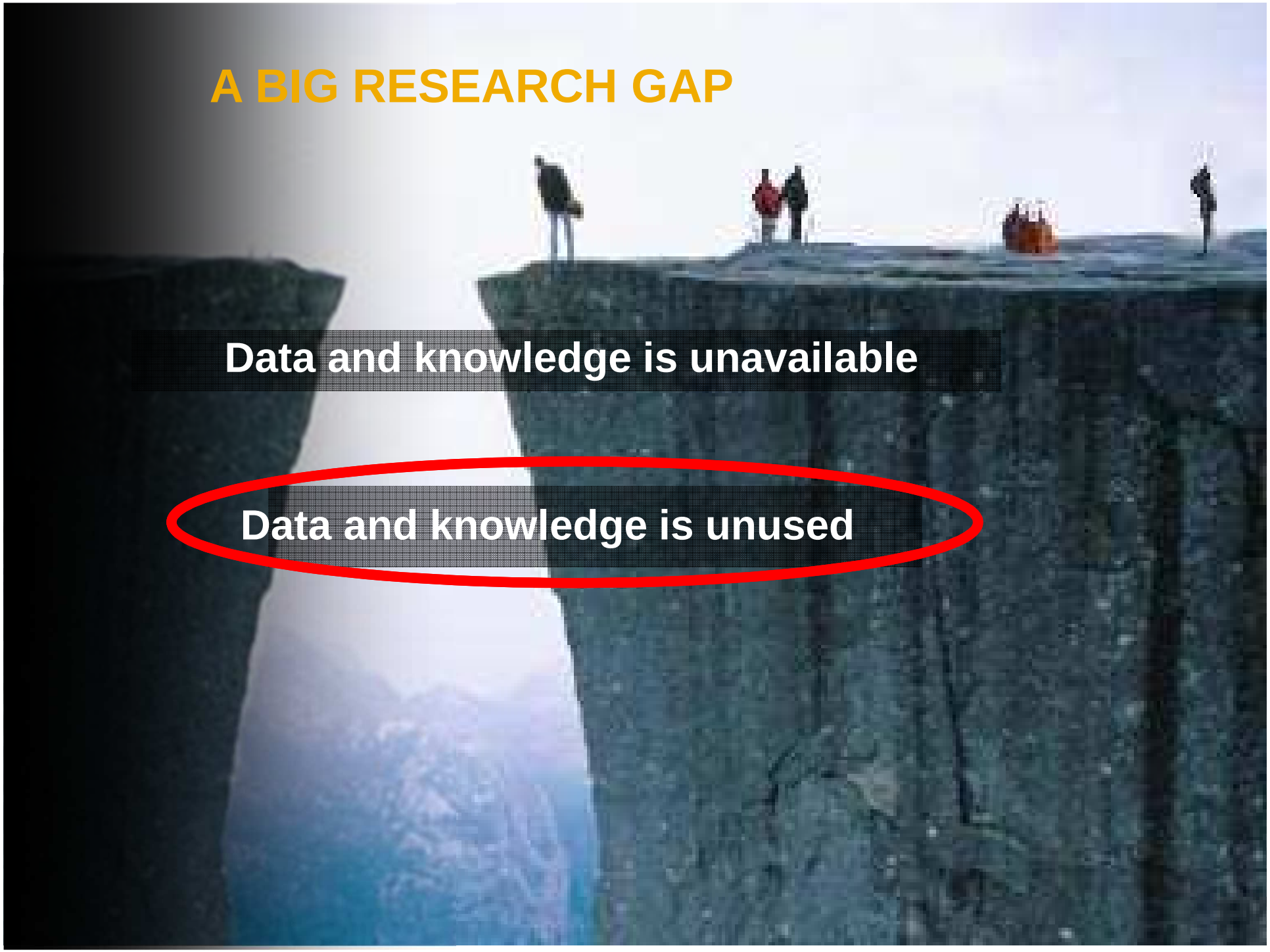
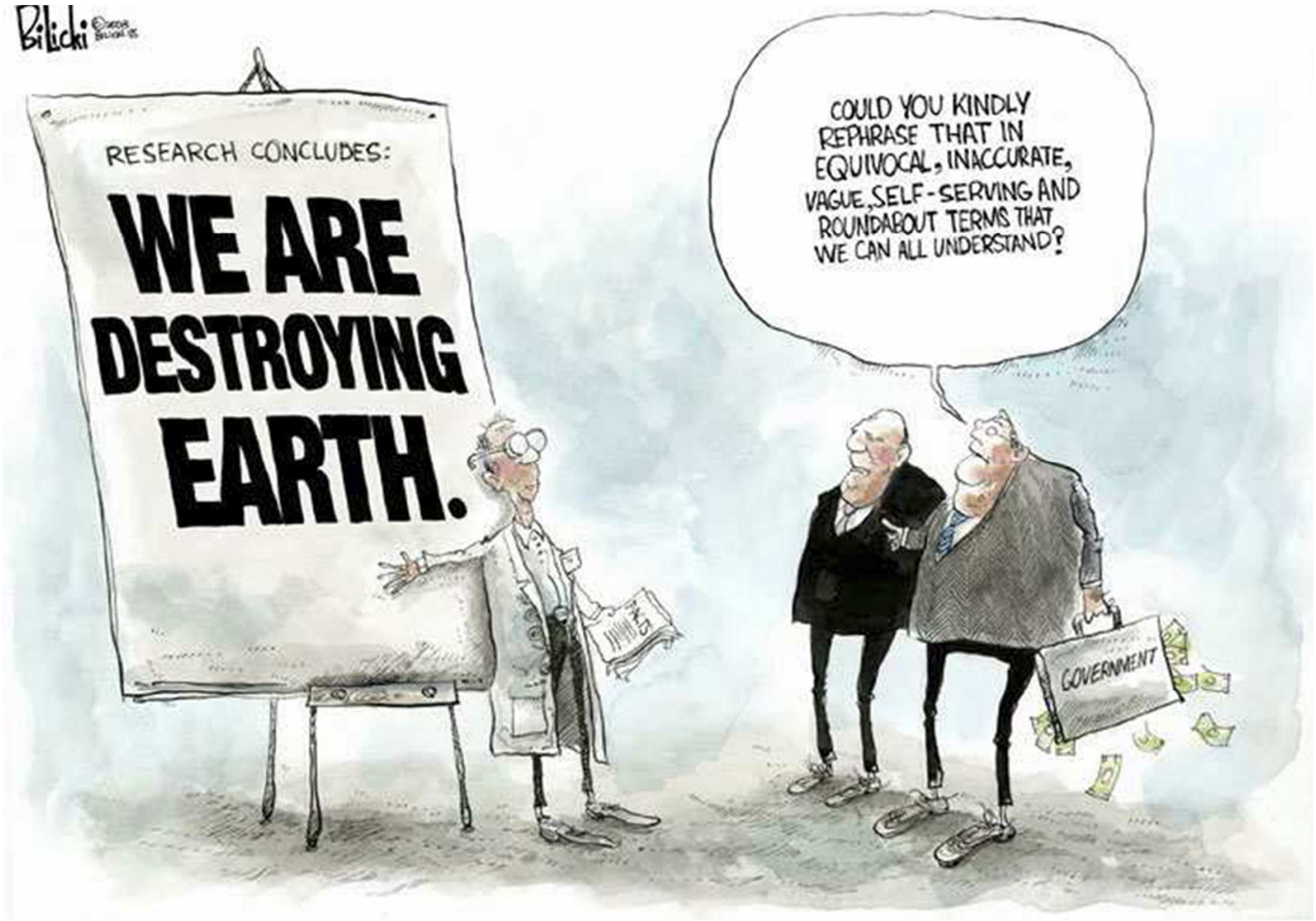
WORLD
RESOURCES
INSTITUTE
THE ROLE OF RESEARCH FOR EFFECTIVE SDG IMPLEMENTATION
RISING TO THE CHALLENGE
Kitty van der Heijden,
Director Europe, Director Africa
World Resources Institute
RESEARCH FAIR, SWITZERLAND, 9 NOVEMBER 2016
KittyvdHeijden
© www.backgroundpictures.org

A BIG RESEARCH GAP

Drowing in Data
RESOURCEWATCH

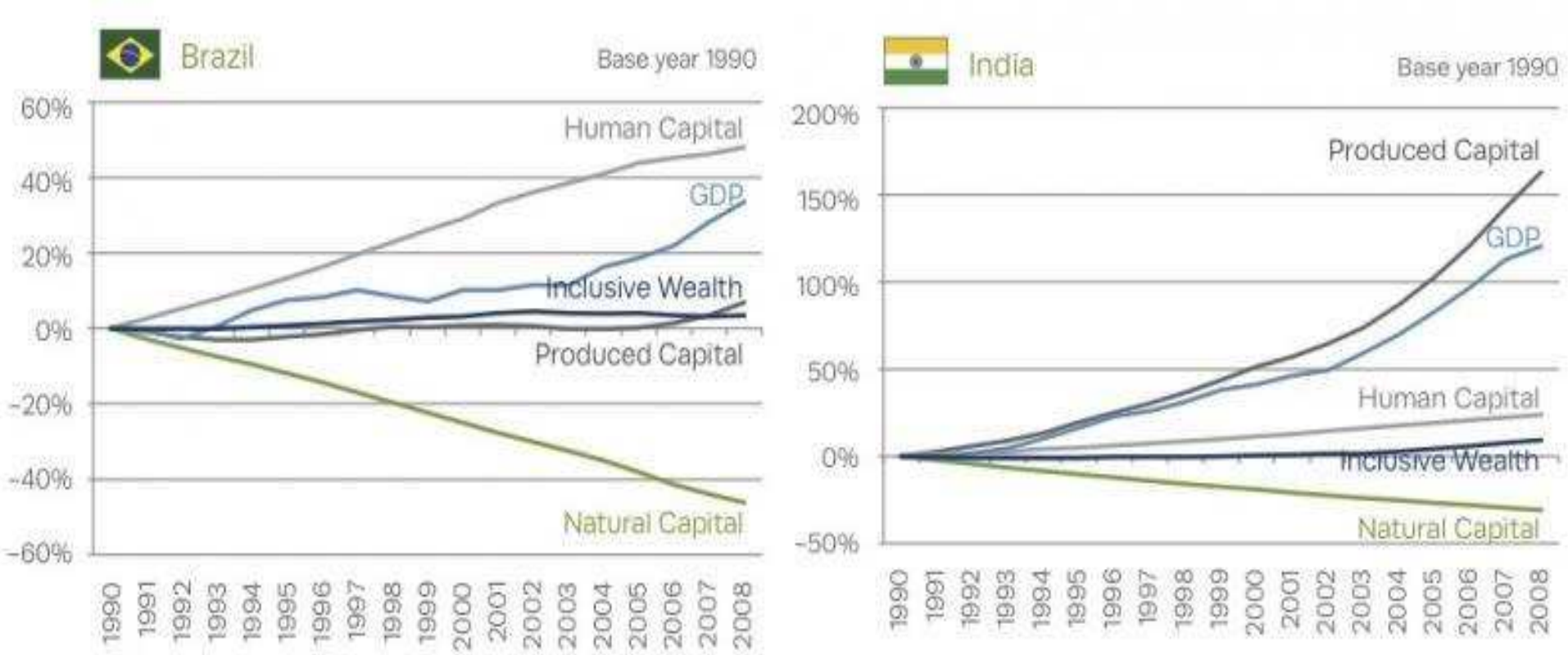

A BIG RESEARCH GAP
Data and knowledge is unavailable
Data and knowledge is unused

1. MORE RESEARCH ON INTERCONNECTION BETWEEN 3 PILLARS OF SUSTAINABLE DEVELOPMENT



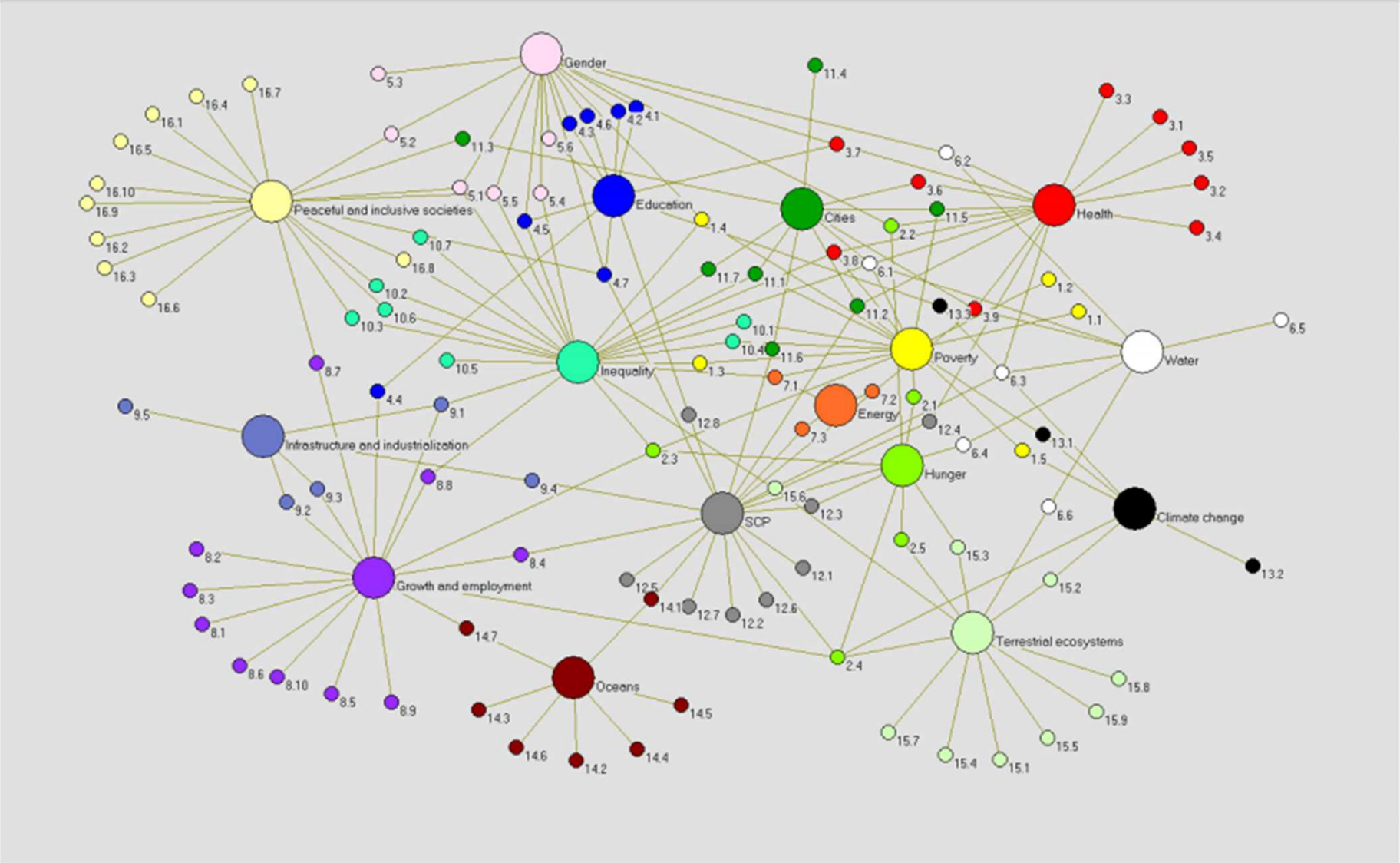
WORLD RESOURCES INSTITUTE

UNECONOMIC GROWTH



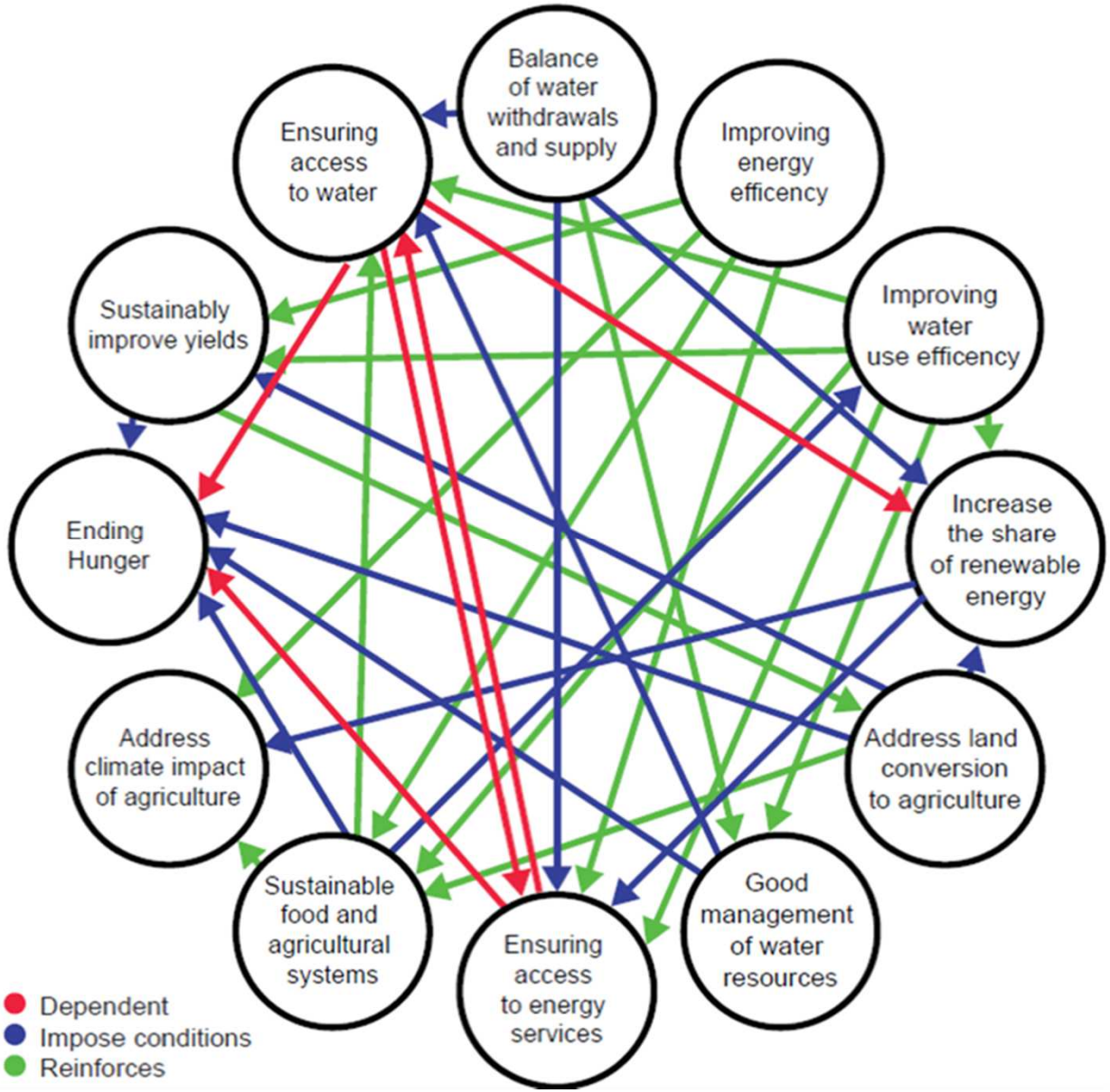
Source: UNU-IHDP, 2012

SDGS AS ARE AN INTEGRATED ECOSYSTEM



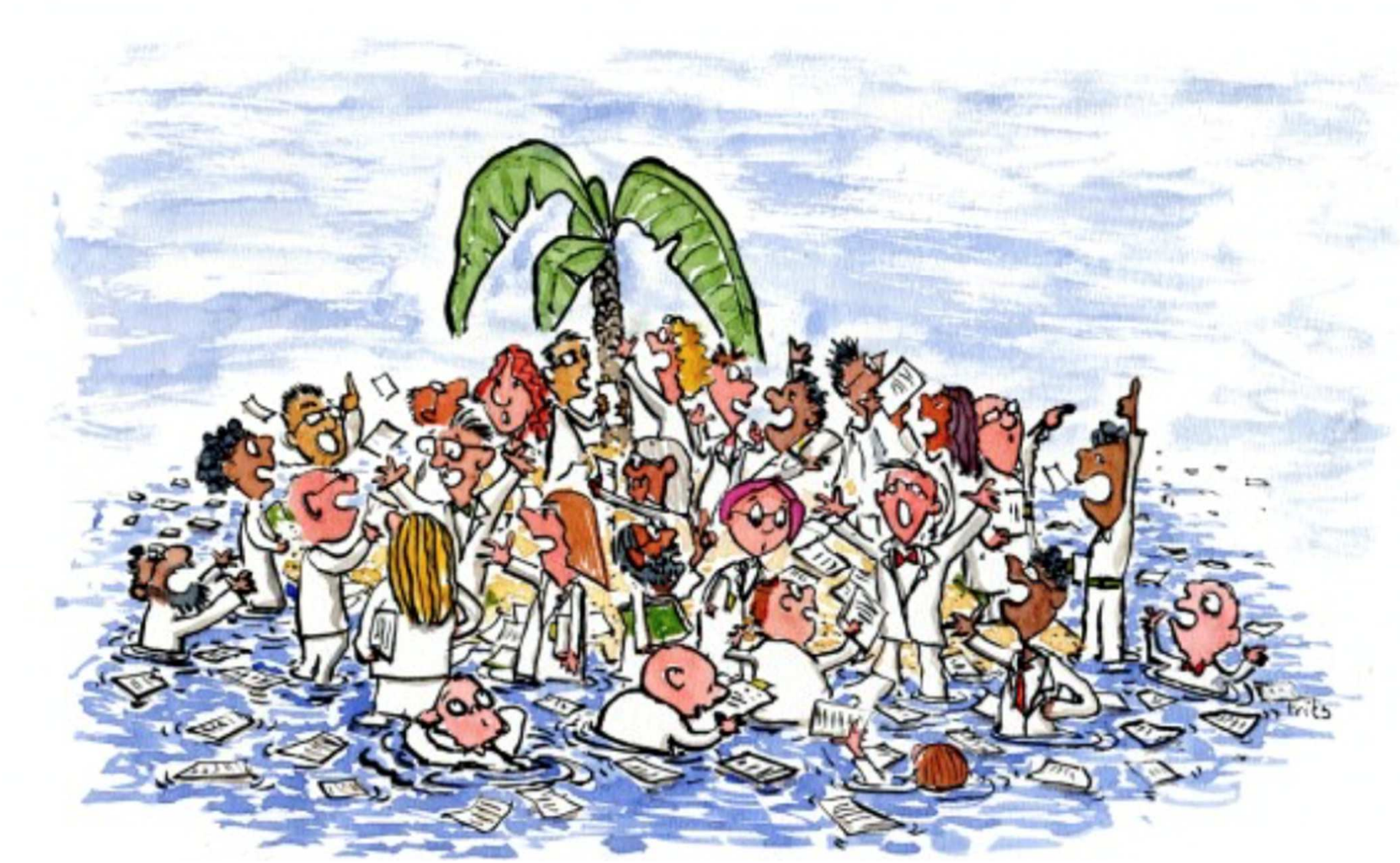
Source: David Le Blanc, Rio+20 Working Paper 4,
"Towards Integration at Last? The SDGs as a Network of Targets"

INTERDEPENDENCIES IMPLY NEW RESPONSIBILITIES



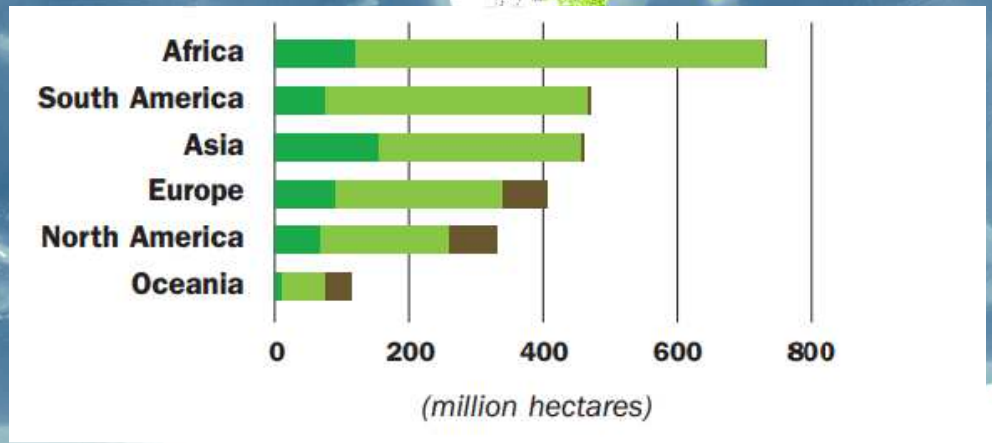
Source: SEI, Weitz *et al.* (2014).

Accelerate multi-disciplinary research that break down traditional academic silos and the corresponding governance silos



Example: restoration

More than 2 billion hectares have opportunity for restoration globally



Is it about restoring the benefits that trees provide in the landscape ….

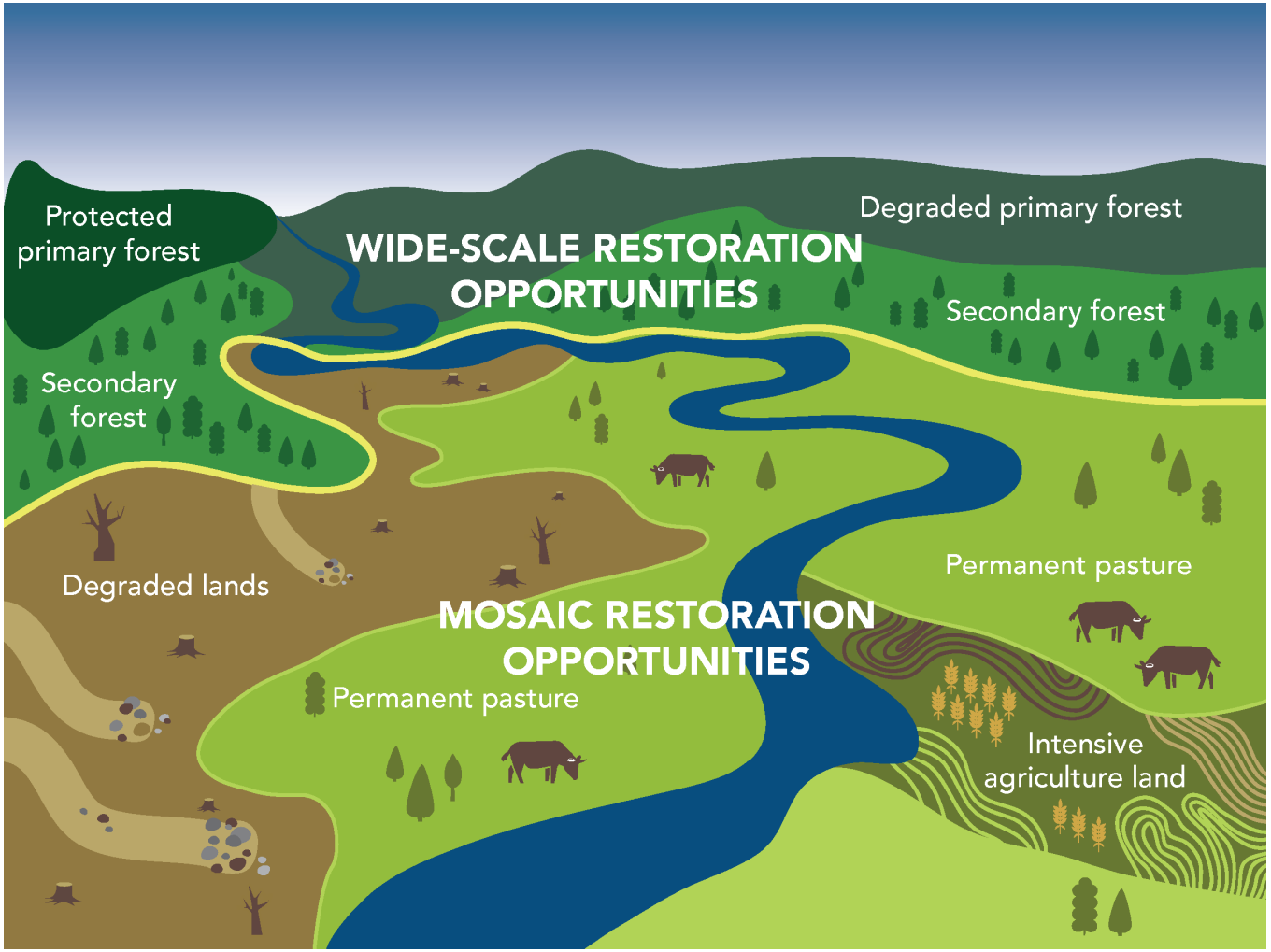
Food

Forests

Water

Energy

Climate change mitigation



or also …

Livelihoods

Gender

Economic growth & jobs

Sustainable business

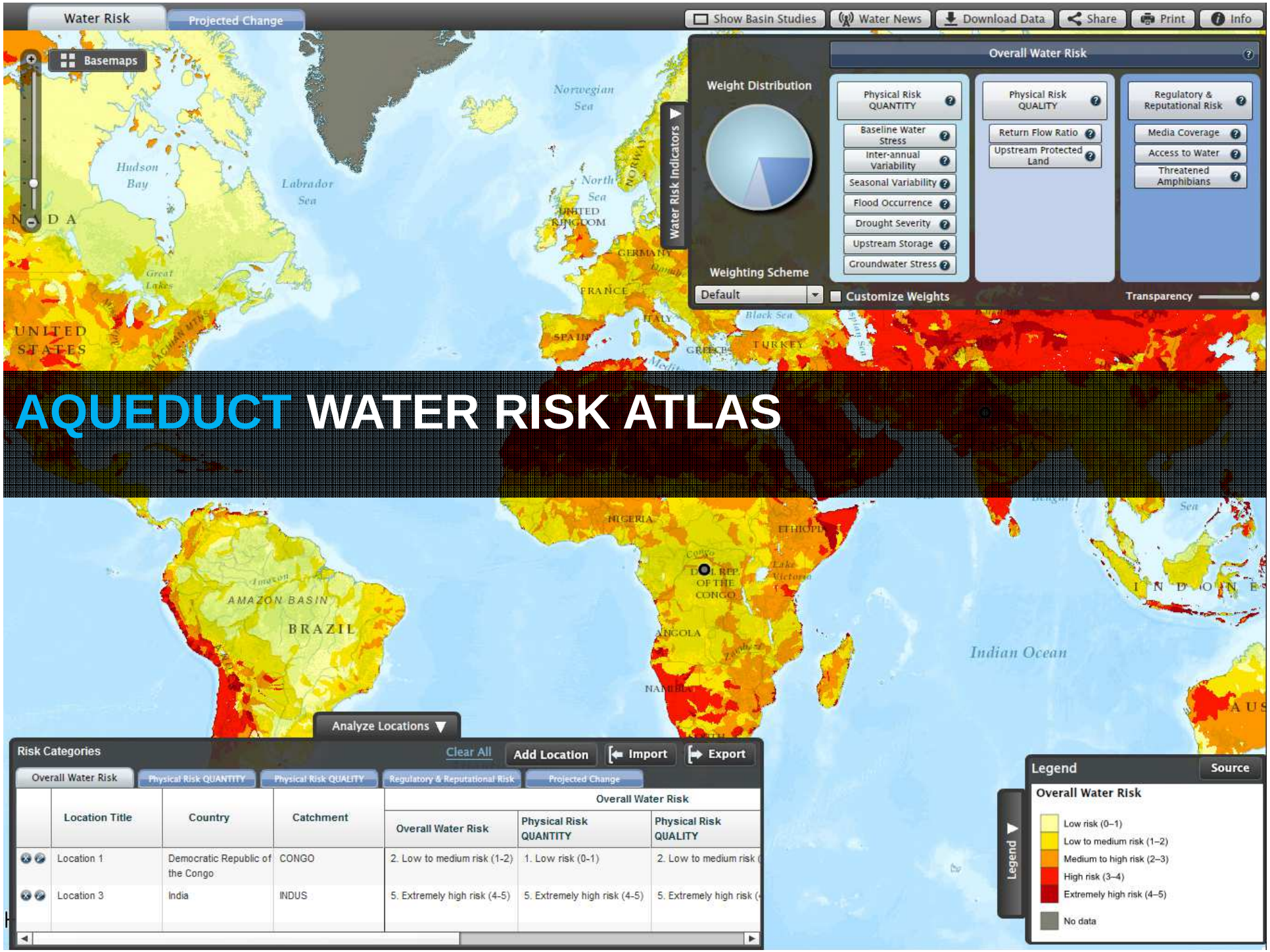
Climate adaptation

Resilience

Benefits of restoring 150 mln hectares:
• $84 billion in economic benefits annually
• 47 gigatons of CO_2e captured (up to 15% reduction in emissions gap)
• Cultural benefits
kr/CIFOR; ource: IUCN
WORLD RESOURCES INSTITUTE

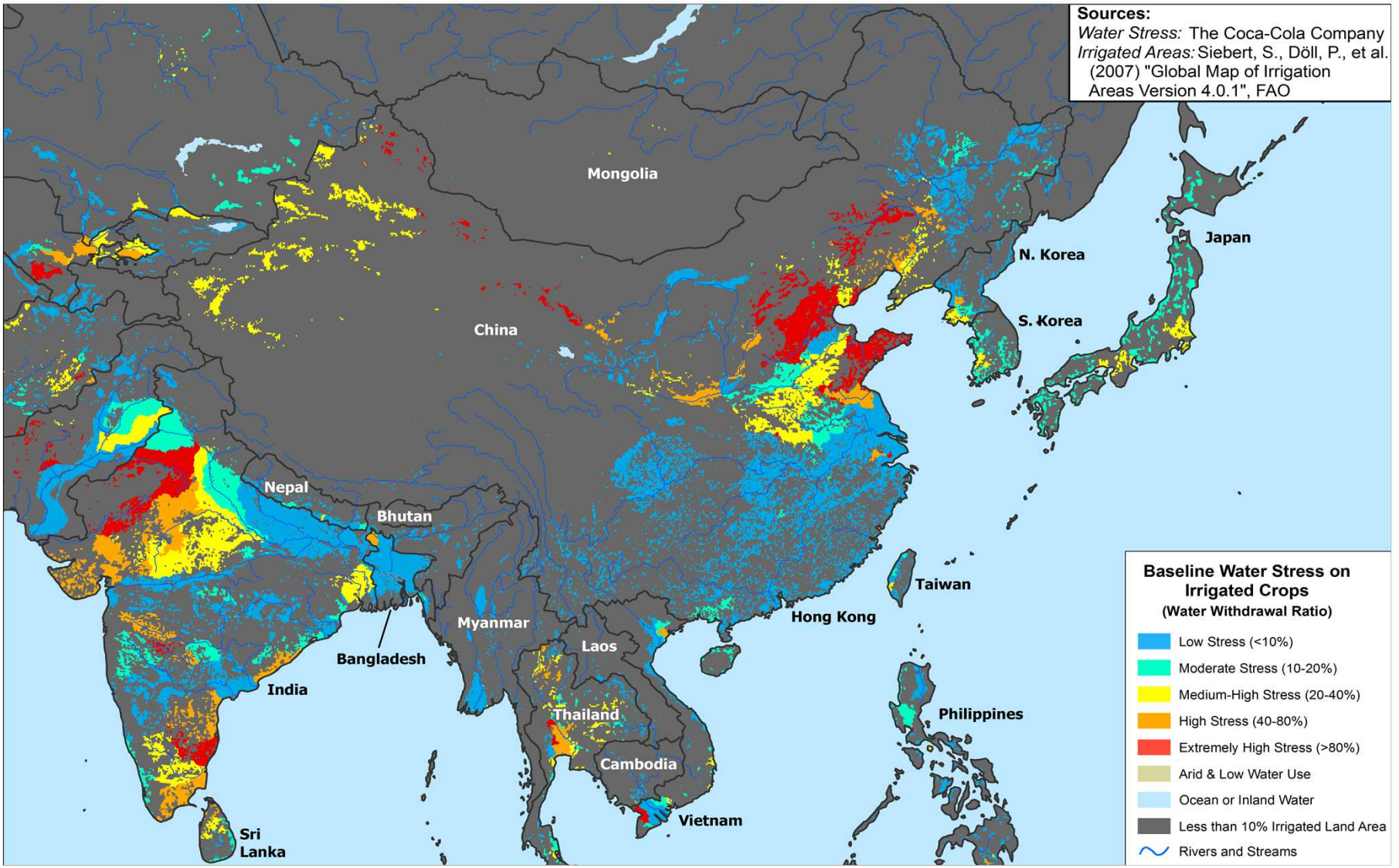
2. CO-CREATE INDEPENDENT, DATA-DRIVEN, OPEN & OBJECTIVE LEARNING AND MONITORING SYSTEM

Data drives impact
Data
Transparency
Transparency
Accountability
Accountability
Responsibility
Better Decisions


Water Risk
Projected Change
Show Basin Studies
Water News
Download Data
Share
Print
Info
Basemaps
Overall Water Risk
Weight Distribution
Physical Risk QUANTITY
Baseline Water Stress
Inter-annual Variability
Seasonal Variability
Flood Occurrence
Drought Severity
Upstream Storage
Groundwater Stress
Physical Risk QUALITY
Return Flow Ratio
Upstream Protected Land
Regulatory & Reputational Risk
Media Coverage
Access to Water
Threatened Amphibians
Water Risk Indicators
Weighting Scheme
Default
Customize Weights
Transparency
AQUEDUCT WATER RISK ATLAS
Analyze Locations
Risk Categories
Clear All
Add Location
Import
Export
Overall Water Risk
Physical Risk QUANTITY
Physical Risk QUALITY
Regulatory & Reputational Risk
Projected Change
Location Title
Country
Catchment
Location 1
Democratic Republic of the Congo
CONGO
2. Low to medium risk (1-2)
1. Low risk (0-1)
Location 3
India
INDUS
5. Extremely high risk (4-5)
Legend
Source
Low risk (0–1)
Low to medium risk (1–2)
Medium to high risk (2–3)
High risk (3–4)
Extremely high risk (4–5)
No data

39% of irrigated cropland in this region is located in areas of water stress concern

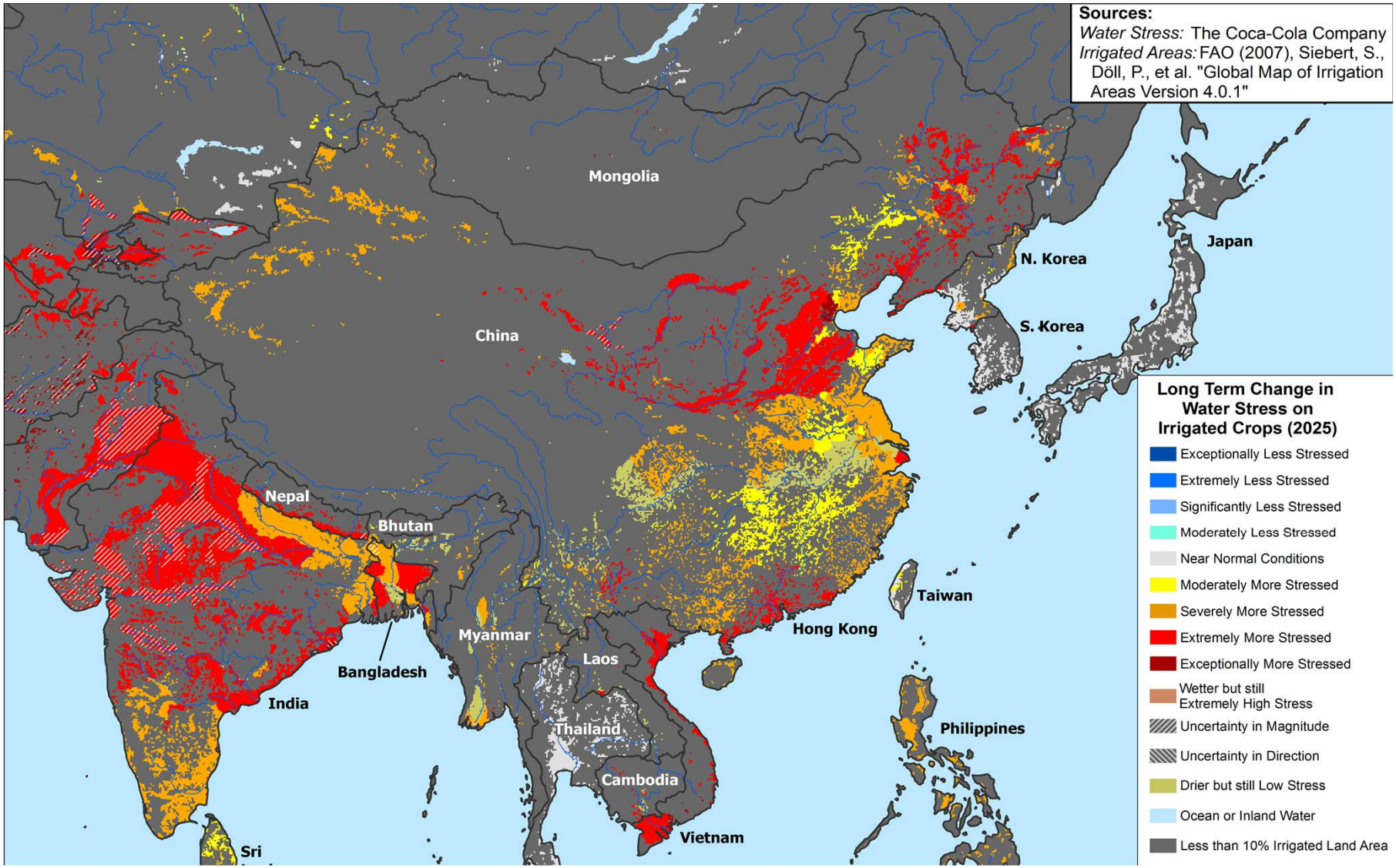
Baseline Water Stress in areas with Irrigated Agriculture



75% of current irrigated cropland in this region would see water stress grow 2 to 8 times worse by 2025

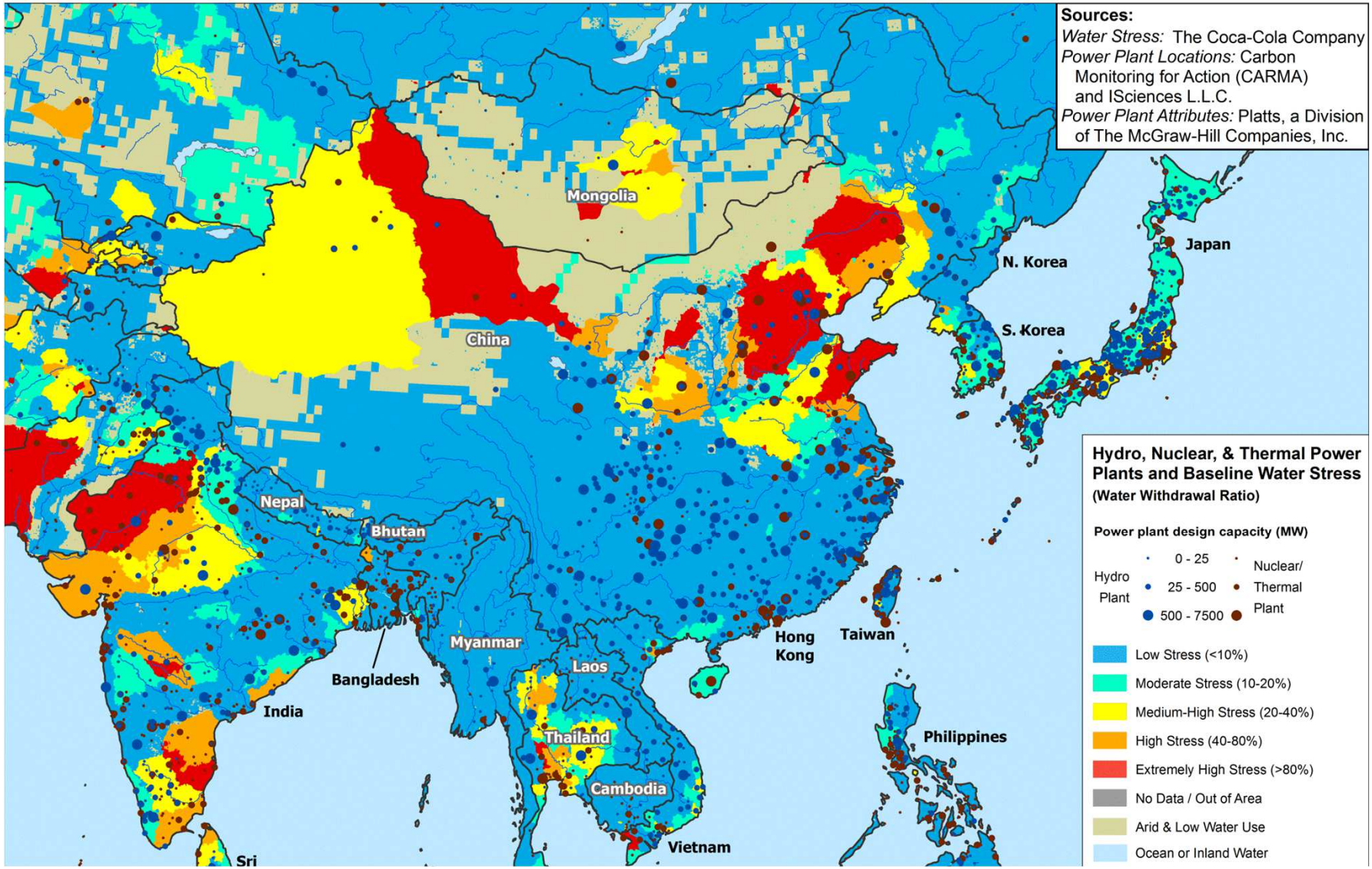
Change in Water Stress by 2025 in areas with Irrigated Agriculture

(IPCC Scenario A1B)



19% of power plant design capacity in this region is located in areas of water stress concern

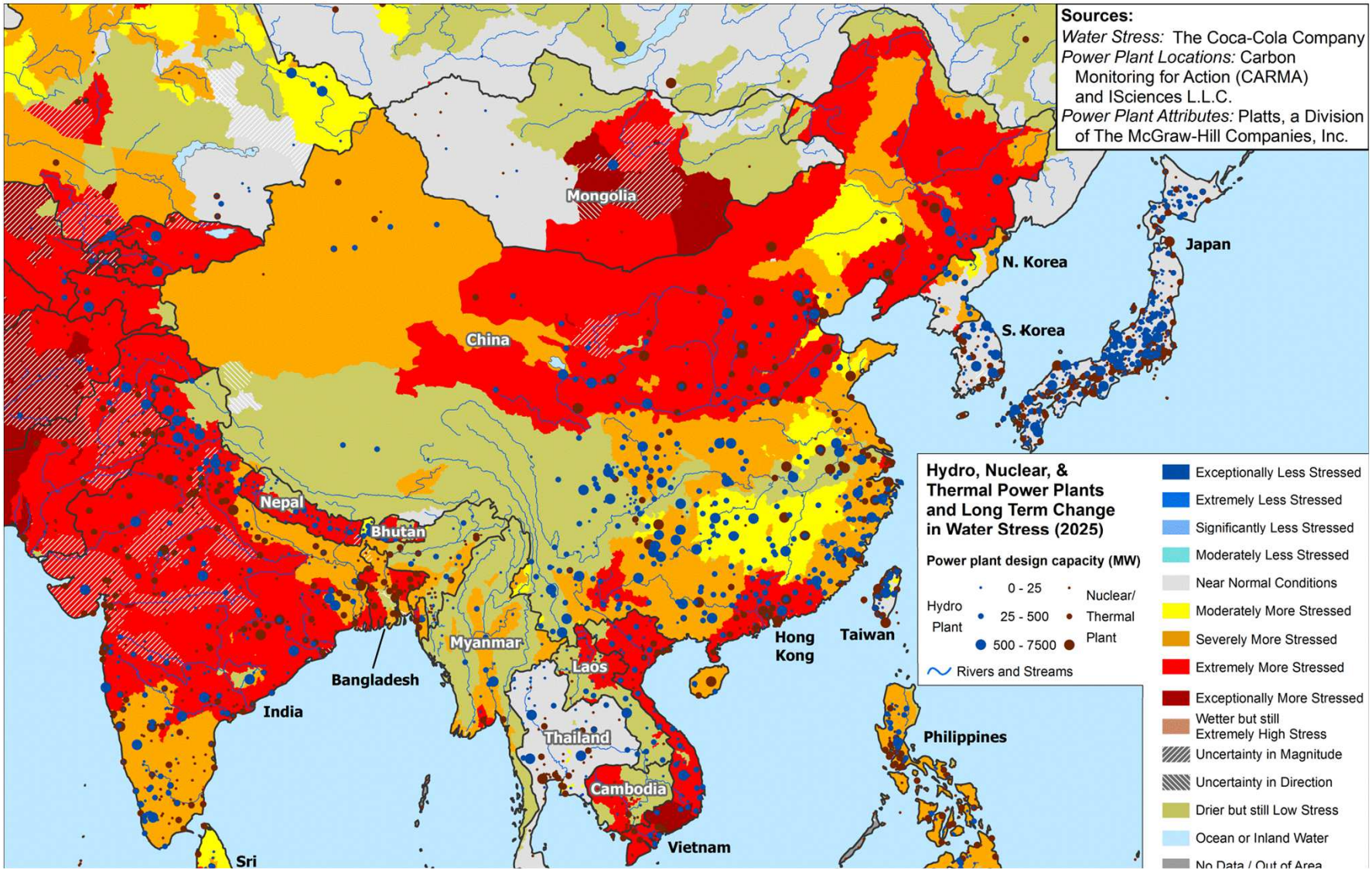
Baseline Water Stress and Power Plants

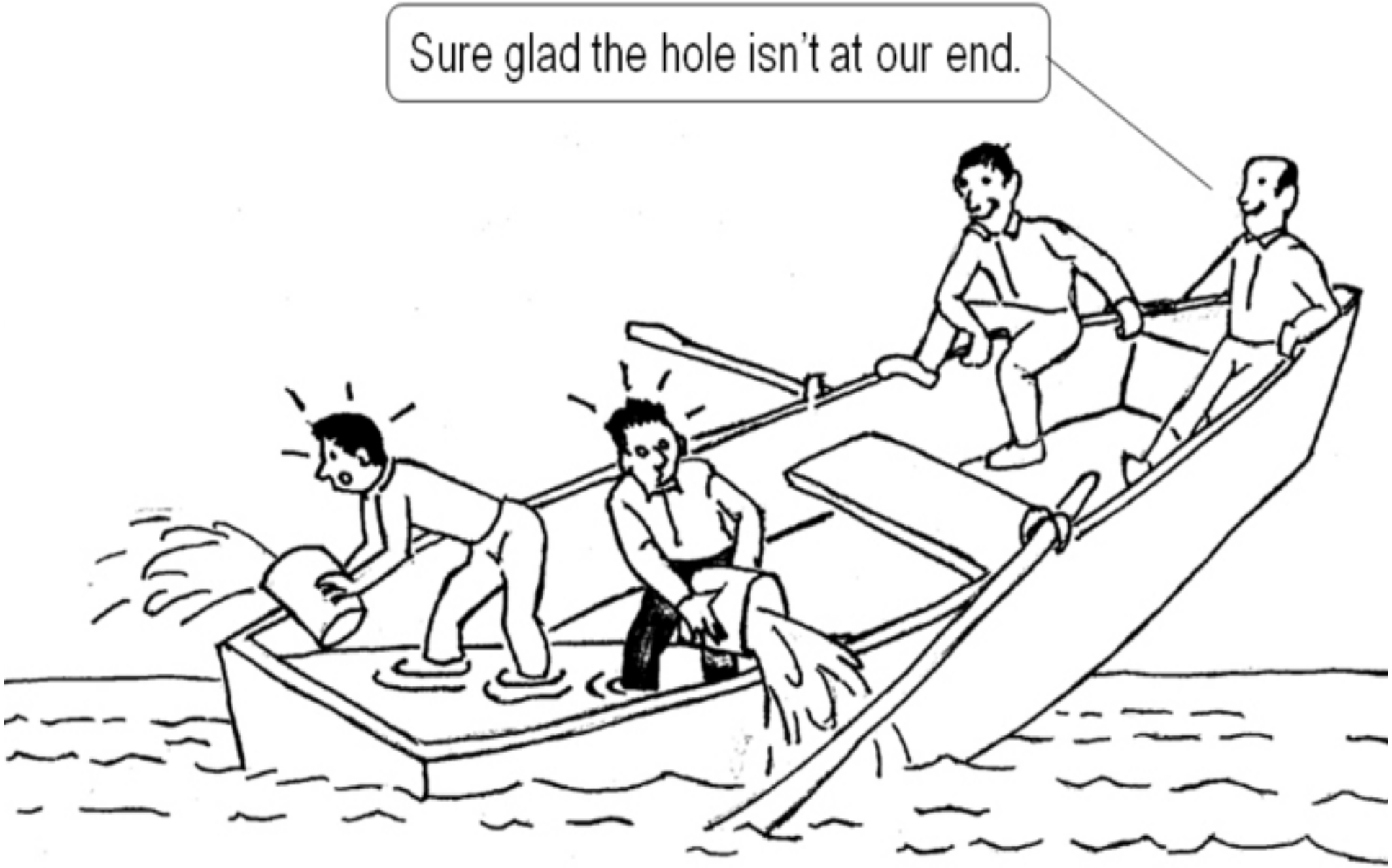


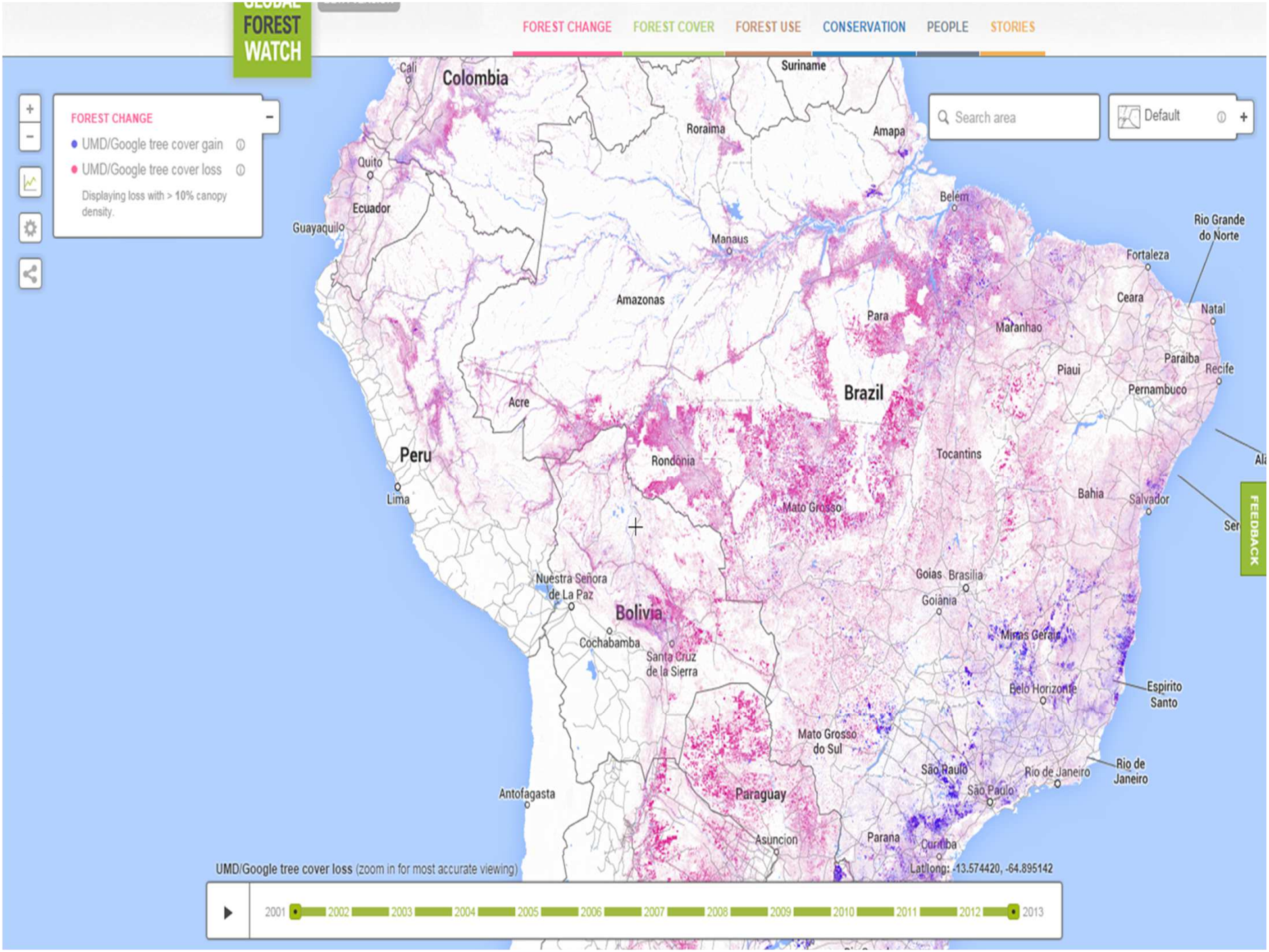
55% of current power plant design capacity in this region would see water stress grow 2 to 8 times worse by 2025

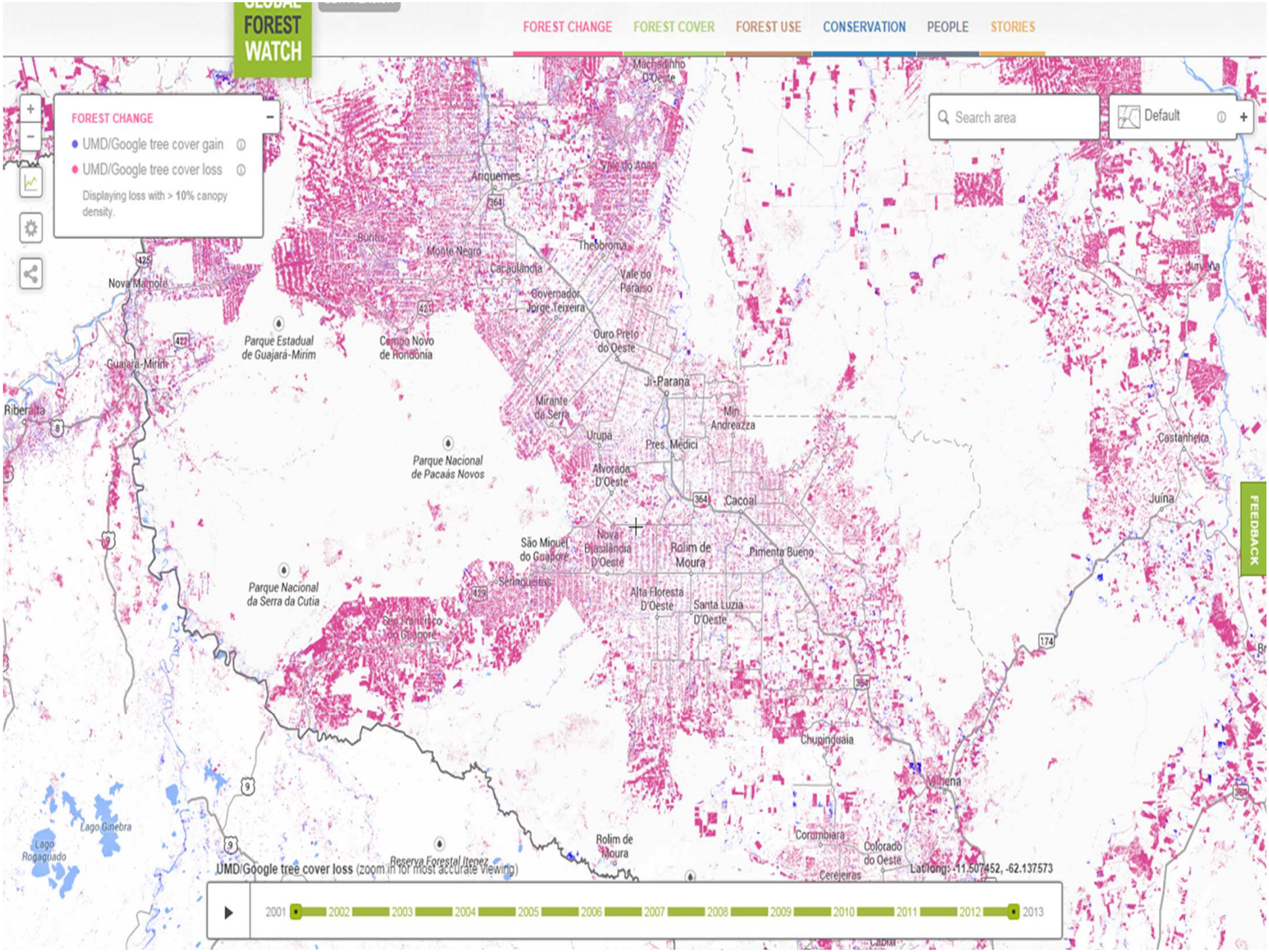
Change in Water Stress by 2025 and Power Plants

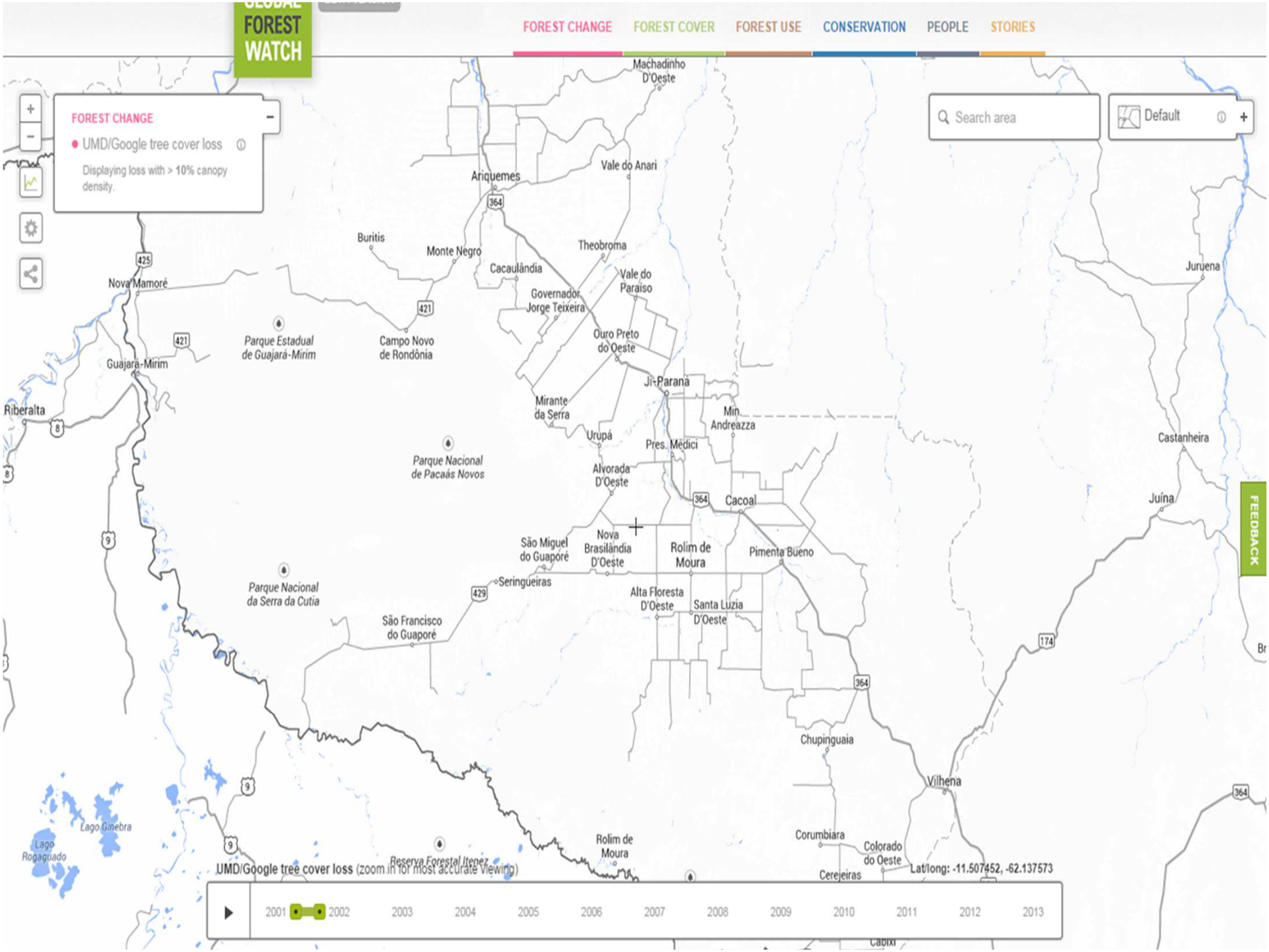
(IPCC Scenario A1B)

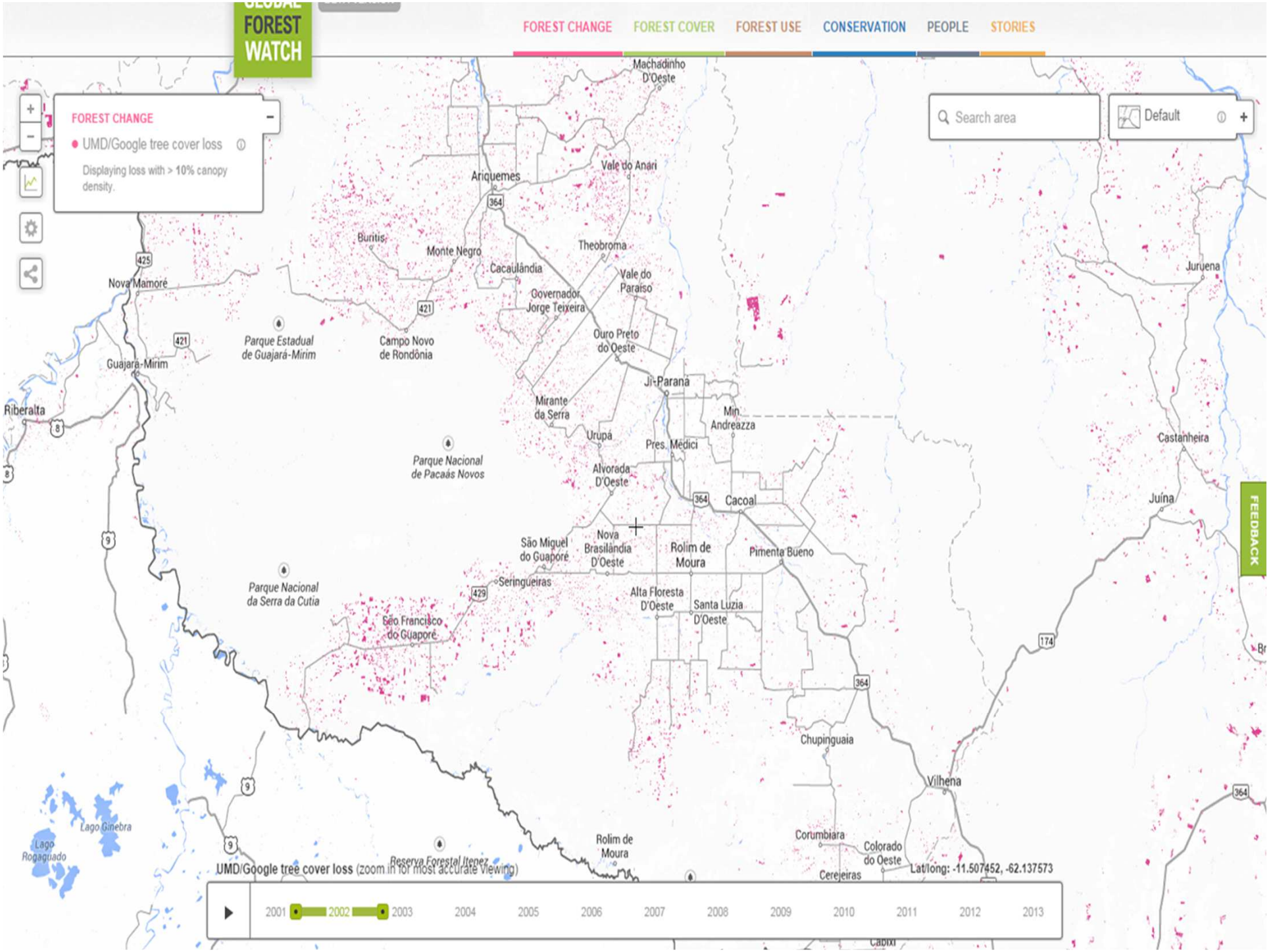


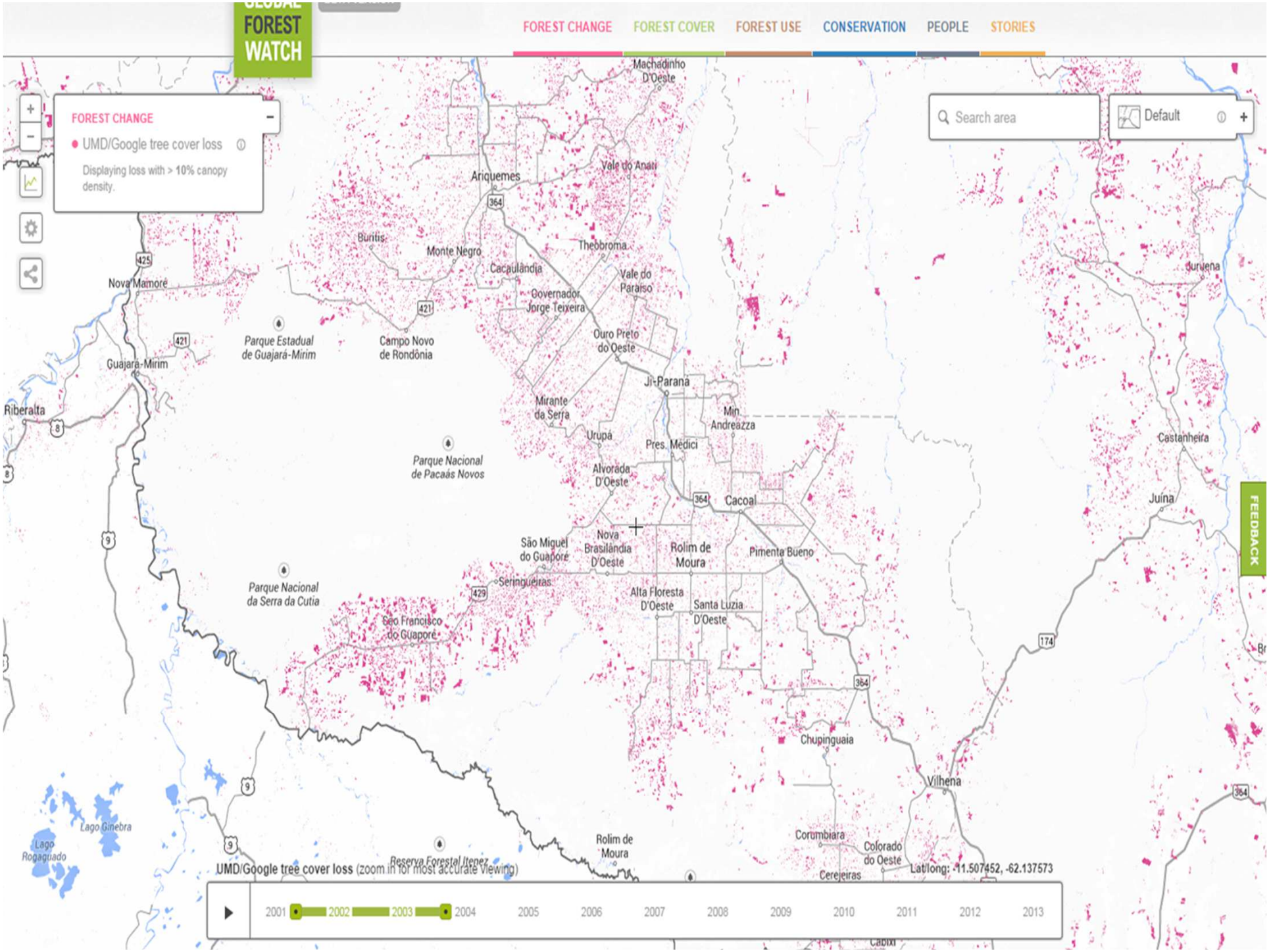

Sure glad the hole isn't at our end.

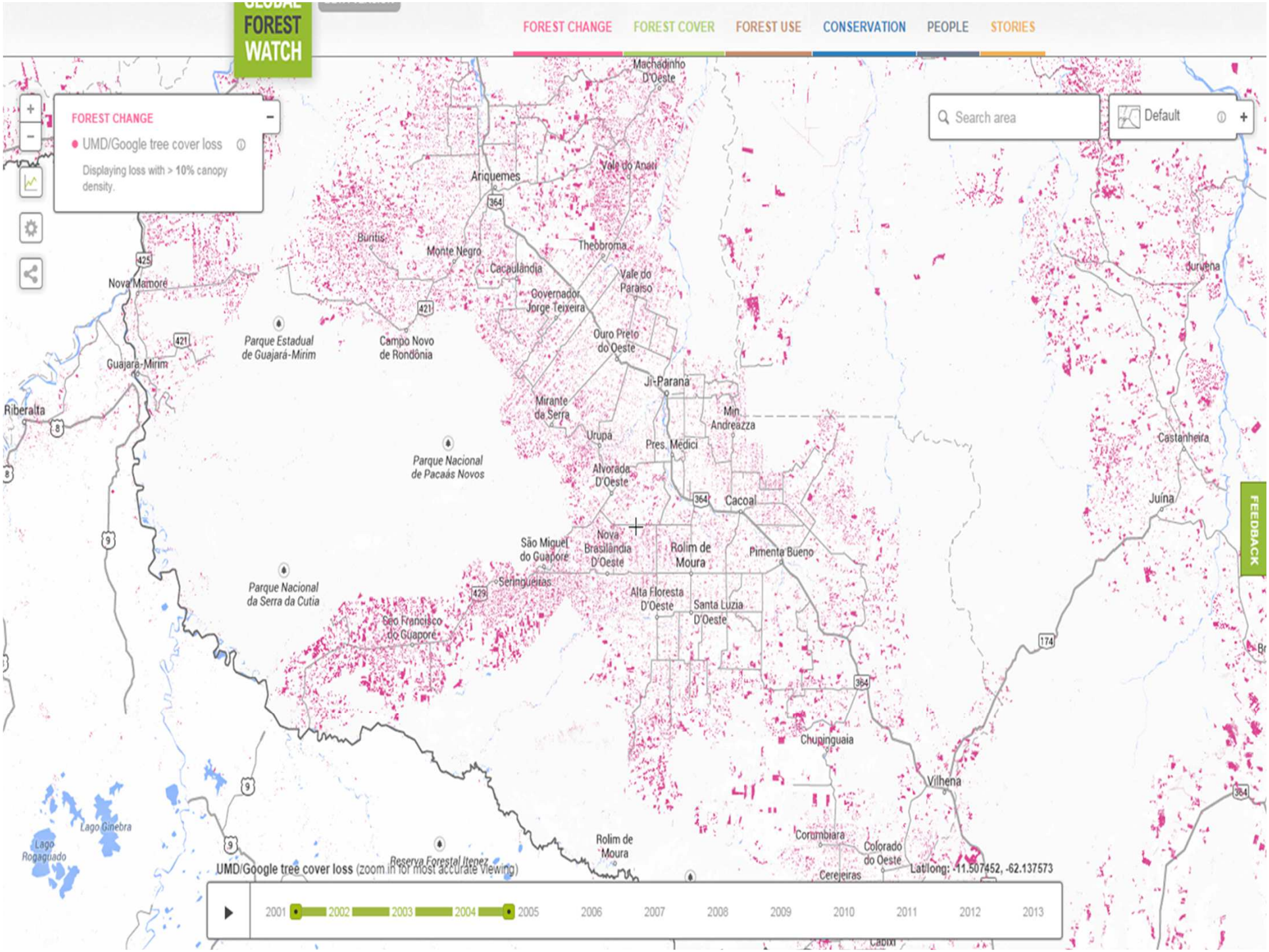

GLOBAL FOREST WATCH
FOREST CHANGE
FOREST COVER
FOREST USE
CONSERVATION
PEOPLE
STORIES
FOREST CHANGE
UMD/Google tree cover gain
UMD/Google tree cover loss
Displaying loss with > 10% canopy density.
Search area
Default
Colombia
Cali
Quito
Ecuador
Guayaquil
Suriname
Roraima
Amapa
Belém
Manaus
Amazonas
Para
Maranhao
Fortaleza
Ceara
Rio Grande do Norte
Natal
Paraiba
Recife
Piaui
Pernambuco
Brazil
Acre
Peru
Lima
Rondônia
Tocantins
Mato Grosso
Bahia
Salvador
Goias
Brasilia
Goiânia
Nuestra Señora de La Paz
Bolivia
Cochabamba
Santa Cruz de la Sierra
Minas Gerais
Belo Horizonte
Espirito Santo
Mato Grosso do Sul
São Paulo
Rio de Janeiro
Antofagasta
Paraguay
Asuncion
Parana
Curitiba
Lat/long: -13.574420, -64.895142
UMD/Google tree cover loss (zoom in for most accurate viewing)
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
FEEDBACK

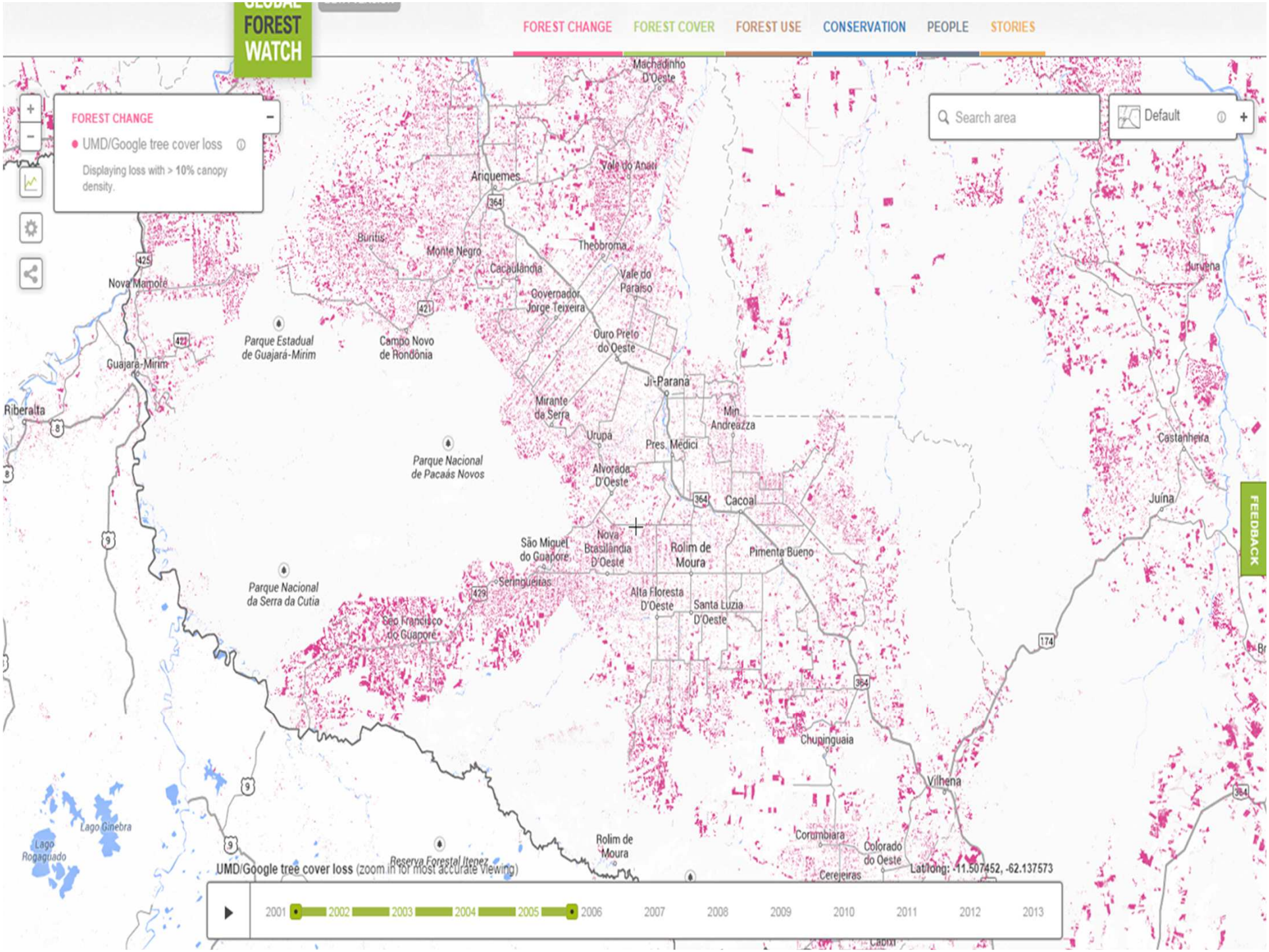

GLOBAL FOREST WATCH
FOREST CHANGE
FOREST COVER
FOREST USE
CONSERVATION
PEOPLE
STORIES
FOREST CHANGE
UMD/Google tree cover gain
UMD/Google tree cover loss
Displaying loss with > 10% canopy density.
Search area
Default
FEEDBACK
Machadinho D'Oeste
Ariquemes
Vale do Anari
Buritis
Monte Negro
Theobroma
Cacaulândia
Vale do Paraíso
Governador Jorge Teixeira
Nova Mamoré
Parque Estadual de Guajará-Mirim
Campo Novo de Rondônia
Ouro Preto do Oeste
Guajará-Mirim
Ji-Paraná
Mirante da Serra
Min. Andreazza
Ribeirão
Urupá
Pres. Médici
Parque Nacional de Pacaás Novos
Alvorada D'Oeste
Cacoal
Castanheira
Juína
São Miguel do Guaporé
Nova Brasilândia D'Oeste
Rolim de Moura
Pimenta Bueno
Parque Nacional da Serra da Cutia
Seringueiras
Alta Floresta D'Oeste
Santa Luzia D'Oeste
São Francisco do Guaporé
Chupinguaia
Vilhena
Lago Ginebra
Lago Rogaguado
Rolim de Moura
Corumbiara
Colorado do Oeste
Reserva Florestal Itenez
Cerejeiras
UMD/Google tree cover loss (zoom in for most accurate viewing)
Lat/long: -11.507452, -62.137573
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013

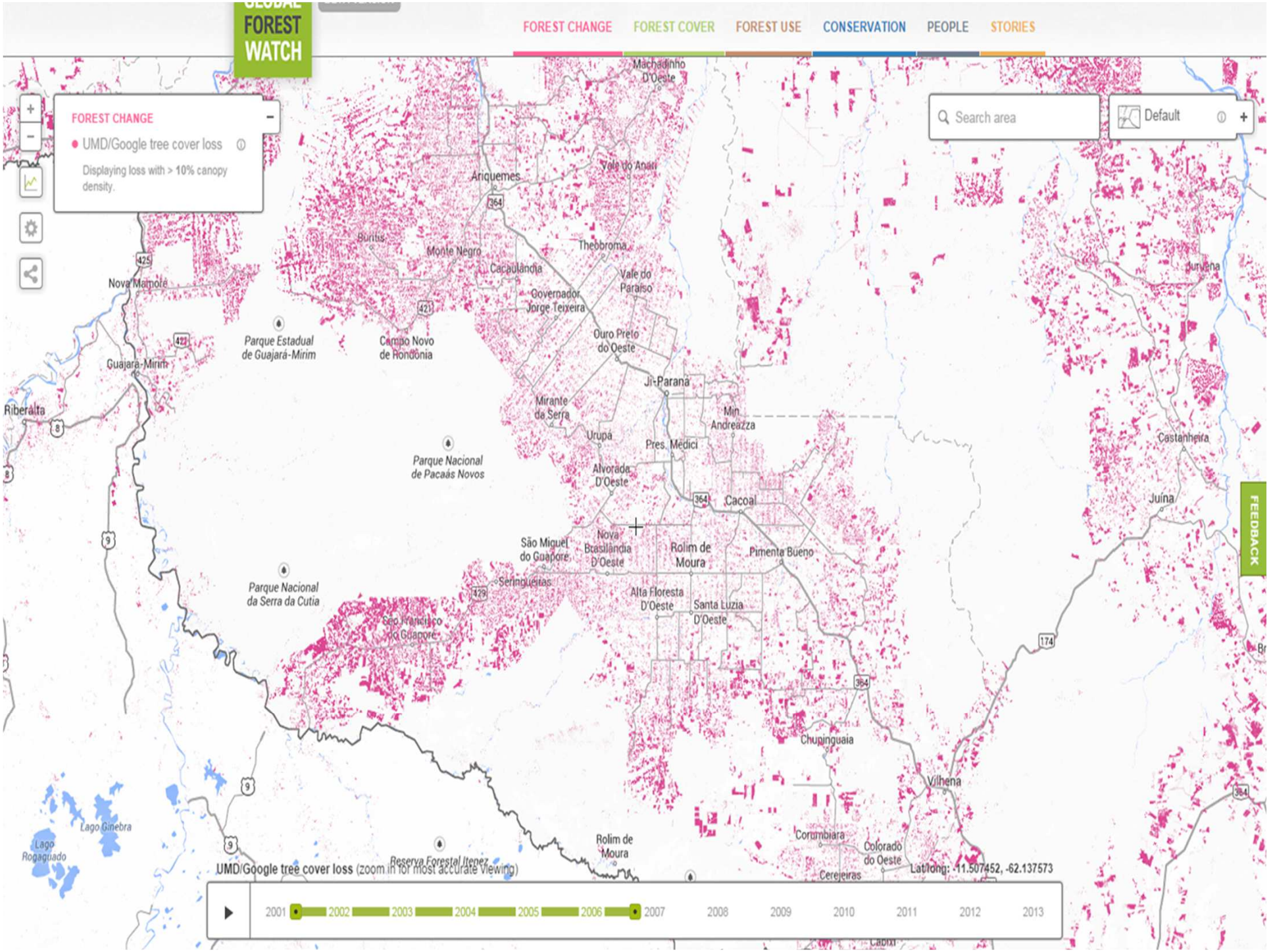

GLOBAL FOREST WATCH
FOREST CHANGE
FOREST COVER
FOREST USE
CONSERVATION
PEOPLE
STORIES
FOREST CHANGE
UMD/Google tree cover loss
Displaying loss with > 10% canopy density.
Search area
Default
Machadinho D'Oeste
Ariquemes
Vale do Anari
Buritis
Monte Negro
Theobroma
Cacaulândia
Vale do Paraíso
Governador Jorge Teixeira
Juruena
Nova Mamoré
Parque Estadual de Guajará-Mirim
Campo Novo de Rondônia
Ouro Preto do Oeste
Guajará-Mirim
Ji-Paraná
Riberalta
Mirante da Serra
Min. Andreazza
Urupá
Pres. Médici
Castanheira
Parque Nacional de Pacaás Novos
Alvorada D'Oeste
Cacoal
Juína
São Miguel do Guaporé
Nova Brasilândia D'Oeste
Rolim de Moura
Pimenta Bueno
Parque Nacional da Serra da Cutia
Seringueiras
Alta Floresta D'Oeste
Santa Luzia D'Oeste
São Francisco do Guaporé
Chupinguaia
Vilhena
Lago Ginebra
Lago Rogaguado
Rolim de Moura
Corumbiara
Colorado do Oeste
Reserva Florestal Itenez
Cerejeiras
UMD/Google tree cover loss (zoom in for most accurate viewing)
Lat/long: -11.507452, -62.137573
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
FEEDBACK

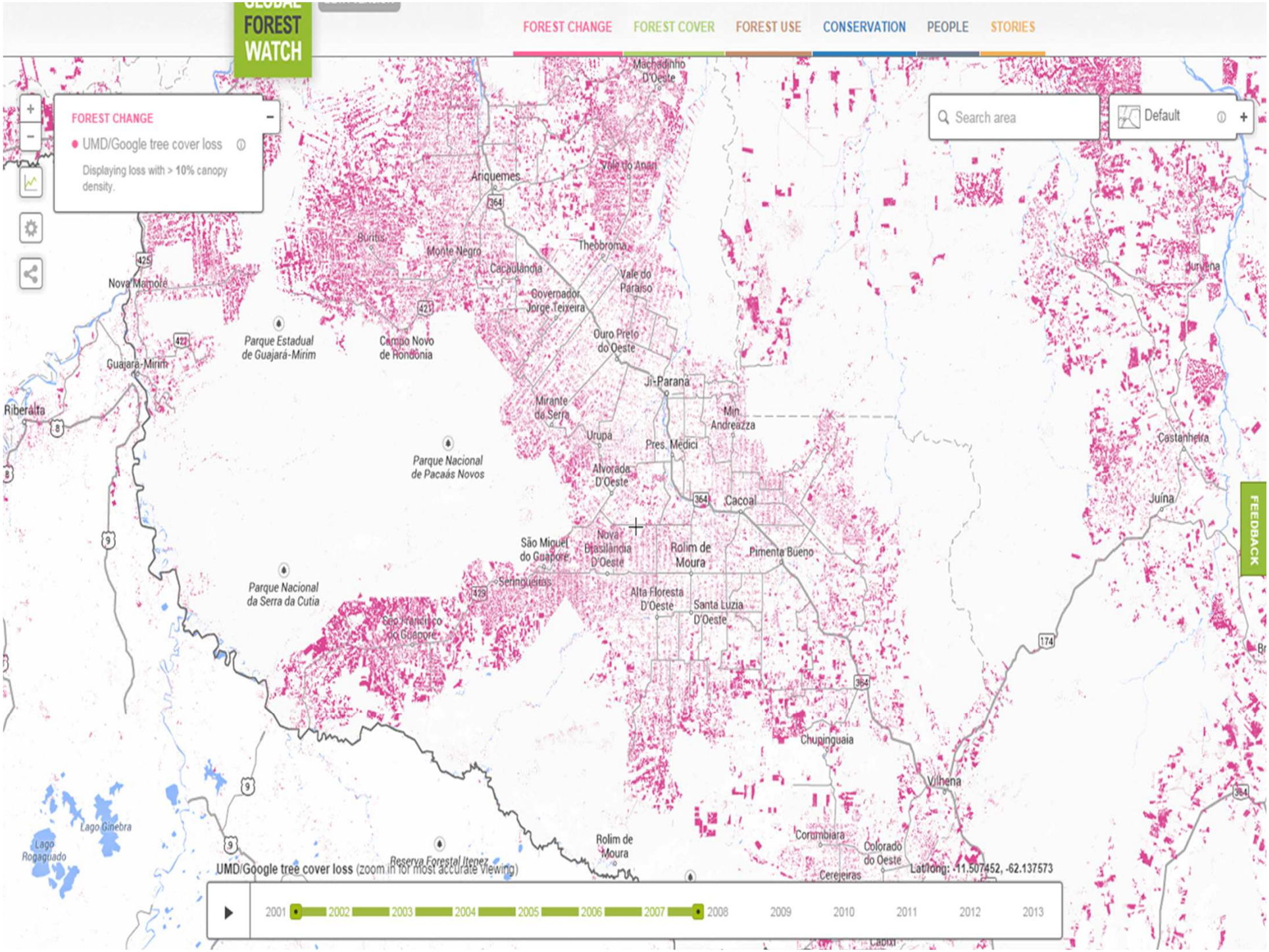

GLOBAL FOREST WATCH
FOREST CHANGE
FOREST COVER
FOREST USE
CONSERVATION
PEOPLE
STORIES
FOREST CHANGE
UMD/Google tree cover loss
Displaying loss with > 10% canopy density.
Search area
Default
Machadinho D'Oeste
Ariquemes
Vale do Anari
Buritis
Monte Negro
Theobroma
Cacaulândia
Vale do Paraíso
Governador Jorge Teixeira
Juruena
Nova Mamoré
Parque Estadual de Guajará-Mirim
Campo Novo de Rondônia
Ouro Preto do Oeste
Guajará-Mirim
Ji-Paraná
Mirante da Serra
Min. Andreazza
Riberalta
Urupá
Pres. Médici
Castanheira
Parque Nacional de Pacaás Novos
Alvorada D'Oeste
Cacoal
Juína
São Miguel do Guaporé
Nova Brasilândia D'Oeste
Rolim de Moura
Pimenta Bueno
Parque Nacional da Serra da Cutia
Seringueiras
Alta Floresta D'Oeste
Santa Luzia D'Oeste
São Francisco do Guaporé
Chupinguaia
Vilhena
Lago Ginebra
Lago Rogaguado
Rolim de Moura
Corumbiara
Colorado do Oeste
Cerejeiras
Reserva Florestal Itenez
UMD/Google tree cover loss (zoom in for most accurate viewing)
Lat/long: -11.507452, -62.137573
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
FEEDBACK

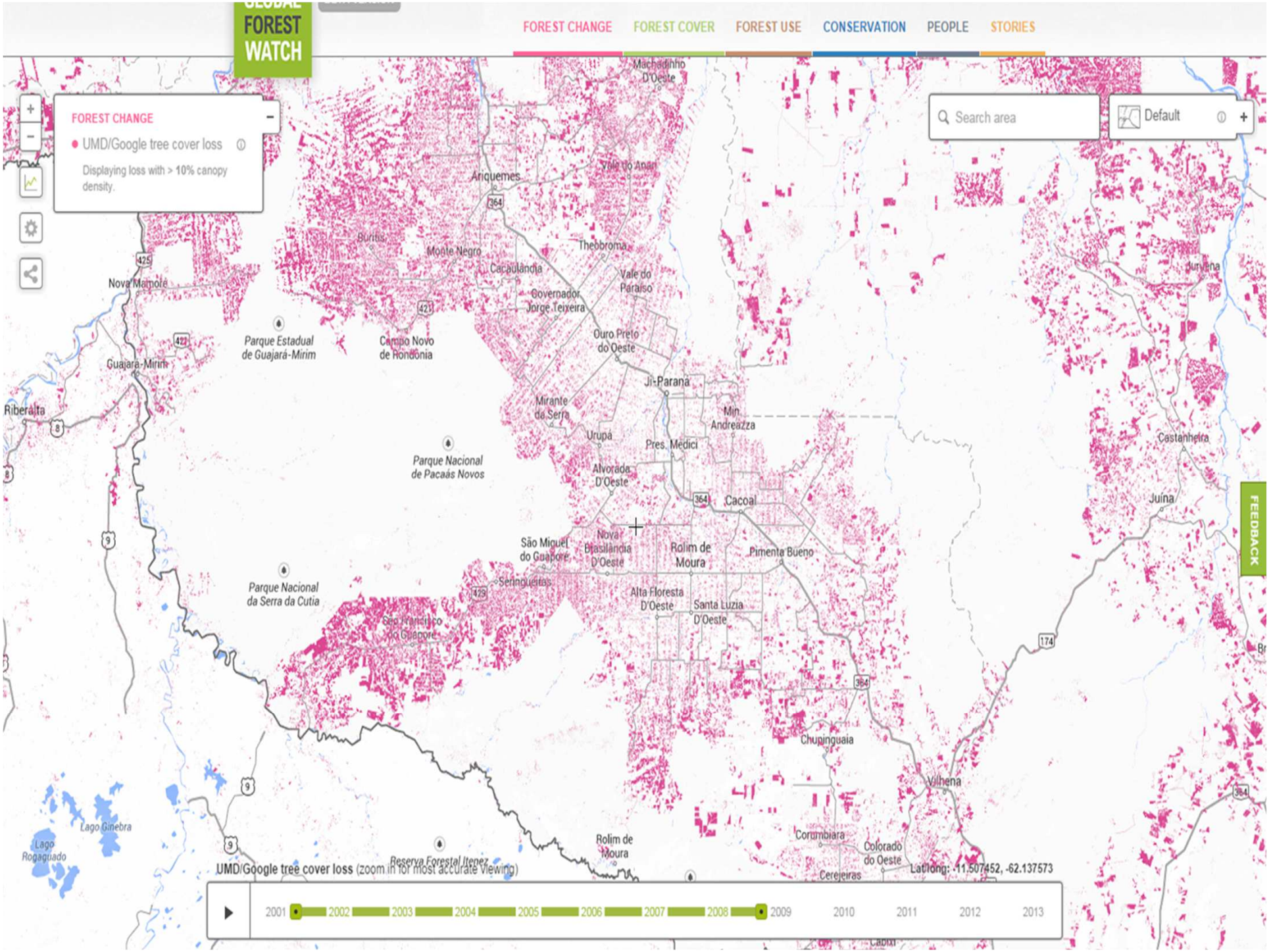

GLOBAL FOREST WATCH
FOREST CHANGE
FOREST COVER
FOREST USE
CONSERVATION
PEOPLE
STORIES
FOREST CHANGE
UMD/Google tree cover loss
Displaying loss with > 10% canopy density.
Search area
Default
Machadinho D'Oeste
Ariquemes
Vale do Anari
Buritis
Monte Negro
Cacaulândia
Theobroma
Vale do Paraíso
Governador Jorge Teixeira
Nova Mamoré
Parque Estadual de Guajará-Mirim
Campo Novo de Rondônia
Ouro Preto do Oeste
Guajará-Mirim
Ji-Paraná
Riberalta
Mirante da Serra
Min. Andreazza
Urupá
Pres. Médici
Parque Nacional de Pacaás Novos
Alvorada D'Oeste
Cacoal
Castanheira
Juína
São Miguel do Guaporé
Nova Brasilândia D'Oeste
Rolim de Moura
Pimenta Bueno
Seringueiras
Parque Nacional da Serra da Cutia
Alta Floresta D'Oeste
Santa Luzia D'Oeste
São Francisco do Guaporé
Chupinguaia
Vilhena
Lago Ginebra
Lago Rogaguado
Rolim de Moura
Corumbiara
Colorado do Oeste
Cerejeiras
Reserva Florestal Itenez
UMD/Google tree cover loss (zoom in for most accurate viewing)
Lat/long: -11.507452, -62.137573
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
FEEDBACK

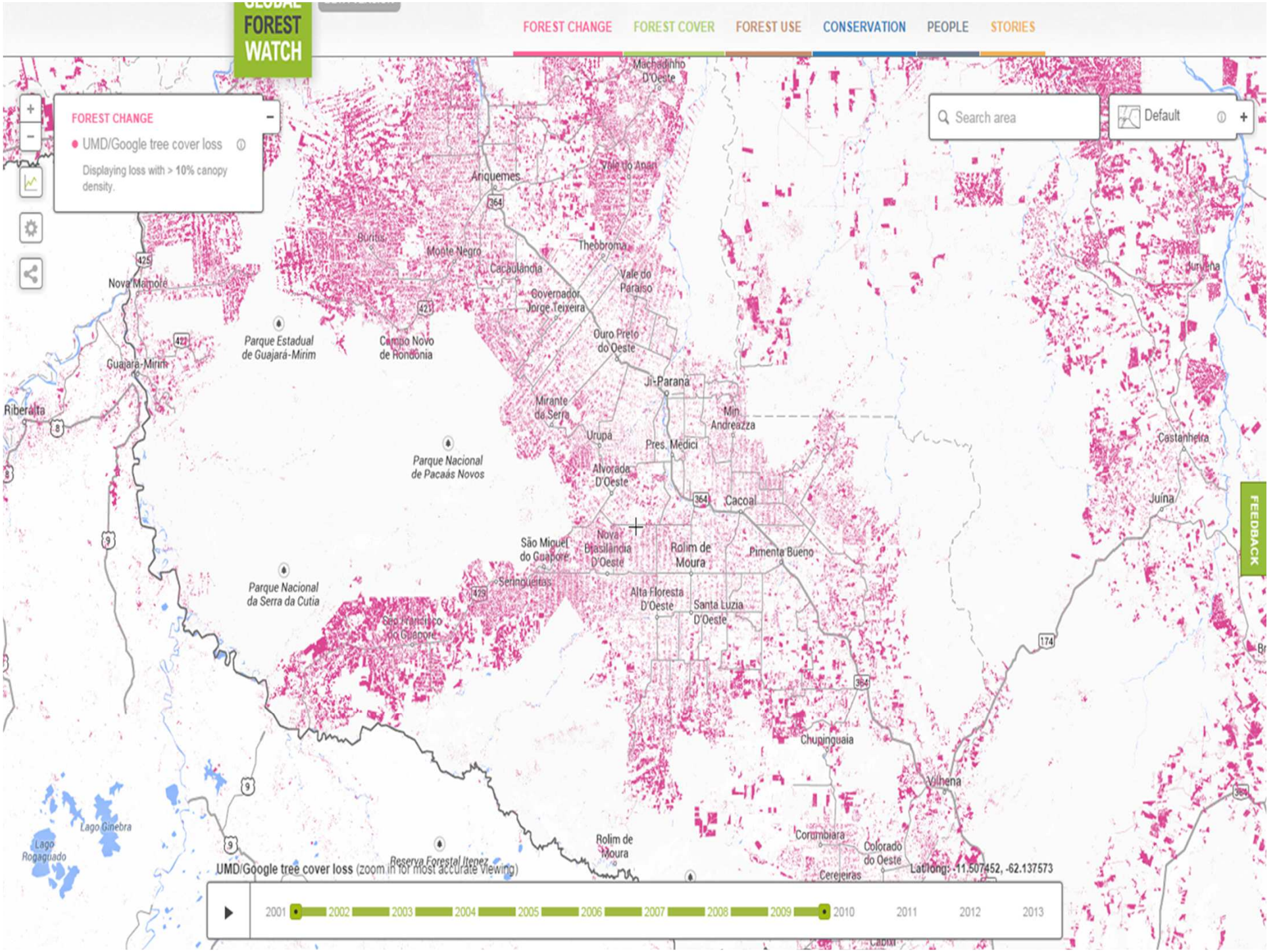

GLOBAL FOREST WATCH
FOREST CHANGE
FOREST COVER
FOREST USE
CONSERVATION
PEOPLE
STORIES
FOREST CHANGE
UMD/Google tree cover loss
Displaying loss with > 10% canopy density.
Search area
Default
Machadinho D'Oeste
Ariquemes
Vale do Anari
Buritis
Monte Negro
Theobroma
Cacaulândia
Vale do Paraíso
Governador Jorge Teixeira
Nova Mamoré
Parque Estadual de Guajará-Mirim
Campo Novo de Rondônia
Ouro Preto do Oeste
Guajará-Mirim
Ji-Parana
Riberalta
Mirante da Serra
Min. Andreazza
Urupá
Pres. Médici
Parque Nacional de Pacaás Novos
Alvorada D'Oeste
Cacoal
São Miguel do Guaporé
Nova Brasilândia D'Oeste
Rolim de Moura
Pimenta Bueno
Seringueiras
Parque Nacional da Serra da Cutia
Alta Floresta D'Oeste
Santa Luzia D'Oeste
São Francisco do Guaporé
Chupinguaia
Vilhena
Lago Ginebra
Lago Rogaguado
Corumbiara
Colorado do Oeste
Rolim de Moura
Reserva Florestal Itenez
Cerejeiras
Castanheira
Juína
Jaru
UMD/Google tree cover loss (zoom in for most accurate viewing)
Lat/long: -11.507452, -62.137573
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
FEEDBACK

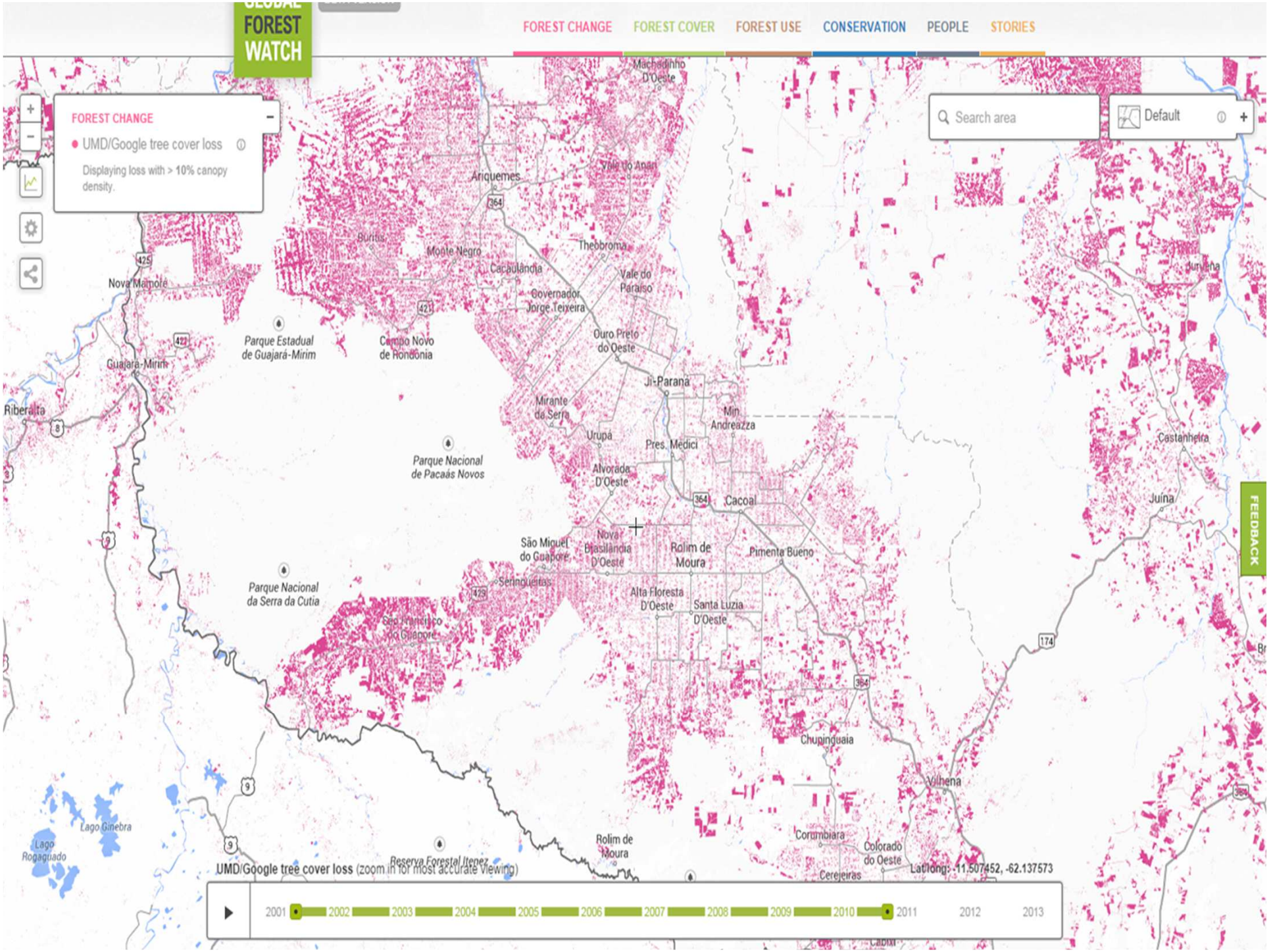

GLOBAL FOREST WATCH
FOREST CHANGE
FOREST COVER
FOREST USE
CONSERVATION
PEOPLE
STORIES
FOREST CHANGE
UMD/Google tree cover loss
Displaying loss with > 10% canopy density.
Search area
Default
Machadinho D'Oeste
Ariquemes
Vale do Anari
Buritis
Monte Negro
Cacaulândia
Theobroma
Vale do Paraíso
Nova Mamoré
Governador Jorge Teixeira
Ouro Preto do Oeste
Parque Estadual de Guajará-Mirim
Campo Novo de Rondônia
Guajará-Mirim
Ji-Parana
Riberalta
Mirante da Serra
Min. Andreazza
Urupá
Pres. Médici
Parque Nacional de Pacaás Novos
Alvorada D'Oeste
Cacoal
São Miguel do Guaporé
Nova Brasilândia D'Oeste
Rolim de Moura
Pimenta Bueno
Parque Nacional da Serra da Cutia
Seringueiras
Alta Floresta D'Oeste
Santa Luzia D'Oeste
São Francisco do Guaporé
Chupinguaia
Vilhena
Lago Ginebra
Lago Rogaguado
Reserva Florestal Itenez
Rolim de Moura
Corumbiara
Colorado do Oeste
Cerejeiras
UMD/Google tree cover loss (zoom in for most accurate viewing)
Lat/long: -11.507452, -62.137573
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
Castanheira
Juína
FEEDBACK

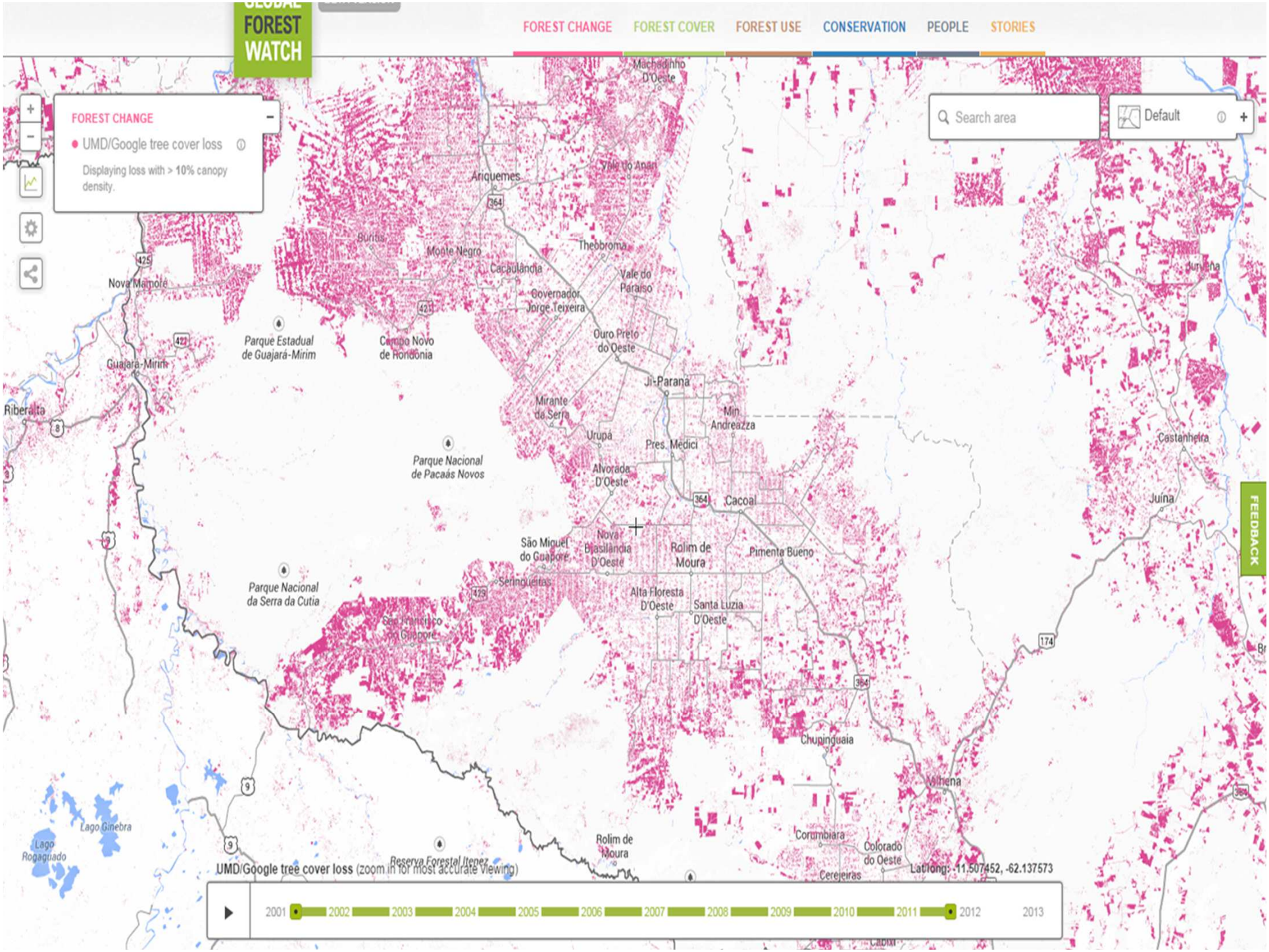

GLOBAL FOREST WATCH
FOREST CHANGE
FOREST COVER
FOREST USE
CONSERVATION
PEOPLE
STORIES
FOREST CHANGE
UMD/Google tree cover loss
Displaying loss with > 10% canopy density.
Search area
Default
Machadinho D'Oeste
Ariquemes
Vale do Anari
Buritis
Monte Negro
Theobroma
Cacaulândia
Vale do Paraíso
Nova Mamoré
Governador Jorge Teixeira
Ouro Preto do Oeste
Parque Estadual de Guajará-Mirim
Campo Novo de Rondônia
Guajará-Mirim
Ji-Paraná
Riberalta
Mirante da Serra
Min. Andreazza
Urupá
Pres. Médici
Parque Nacional de Pacaás Novos
Alvorada D'Oeste
Cacoal
Castanheira
Juína
São Miguel do Guaporé
Nova Brasilândia D'Oeste
Rolim de Moura
Pimenta Bueno
Seringueiras
Parque Nacional da Serra da Cutia
Alta Floresta D'Oeste
Santa Luzia D'Oeste
São Francisco do Guaporé
Chupinguaia
Vilhena
Lago Ginebra
Lago Rogaguado
Reserva Florestal Itenez
Rolim de Moura
Corumbiara
Colorado do Oeste
Cerejeiras
UMD/Google tree cover loss (zoom in for most accurate viewing)
Lat/long: -11.507452, -62.137573
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
FEEDBACK

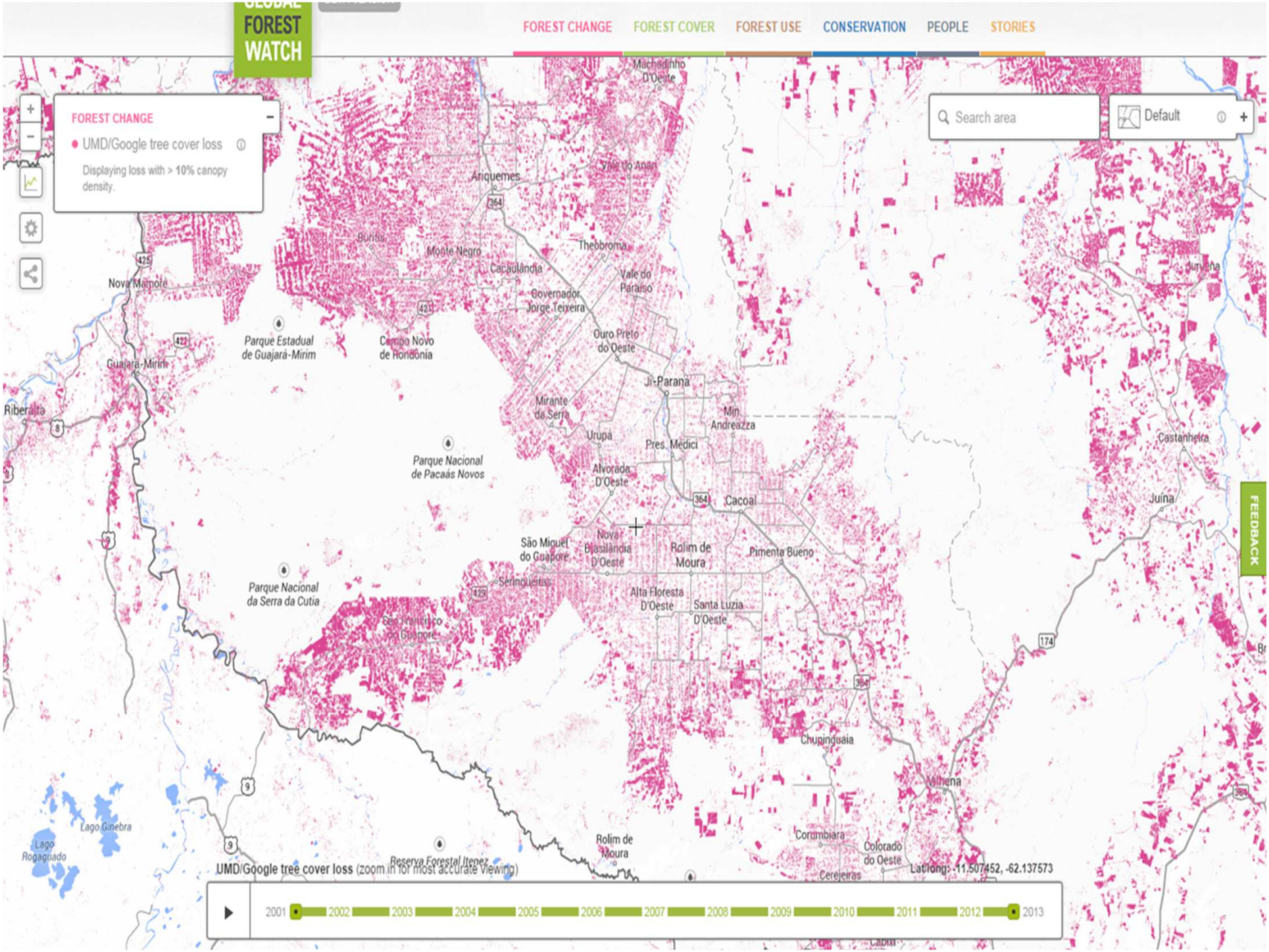

GLOBAL FOREST WATCH
FOREST CHANGE
FOREST COVER
FOREST USE
CONSERVATION
PEOPLE
STORIES
FOREST CHANGE
UMD/Google tree cover loss
Displaying loss with > 10% canopy density.
Search area
Default
Machadinho D'Oeste
Ariquemes
Vale do Anari
Buritis
Monte Negro
Cacaulândia
Thebbroma
Vale do Paraíso
Governador Jorge Teixeira
Nova Mamoré
Parque Estadual de Guajará-Mirim
Campo Novo de Rondônia
Ouro Preto do Oeste
Guajará-Mirim
Ji-Parana
Mirante da Serra
Min. Andreazza
Riberalta
Urupá
Pres. Médici
Parque Nacional de Pacaás Novos
Alvorada D'Oeste
Cacoal
São Miguel do Guaporé
Nova Brasilândia D'Oeste
Rolim de Moura
Pimenta Bueno
Parque Nacional da Serra da Cutia
Seringueiras
Alta Floresta D'Oeste
Santa Luzia D'Oeste
São Francisco do Guaporé
Chupinguaia
Vilhena
Lago Ginebra
Lago Rogaguado
Reserva Florestal Itenez
Rolim de Moura
Corumbiara
Colorado do Oeste
Cerejeiras
Castanheira
Juína
Jurúena
FEEDBACK
UMD/Google tree cover loss (zoom in for most accurate viewing)
Lat/long: -11.507452, -62.137573
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013

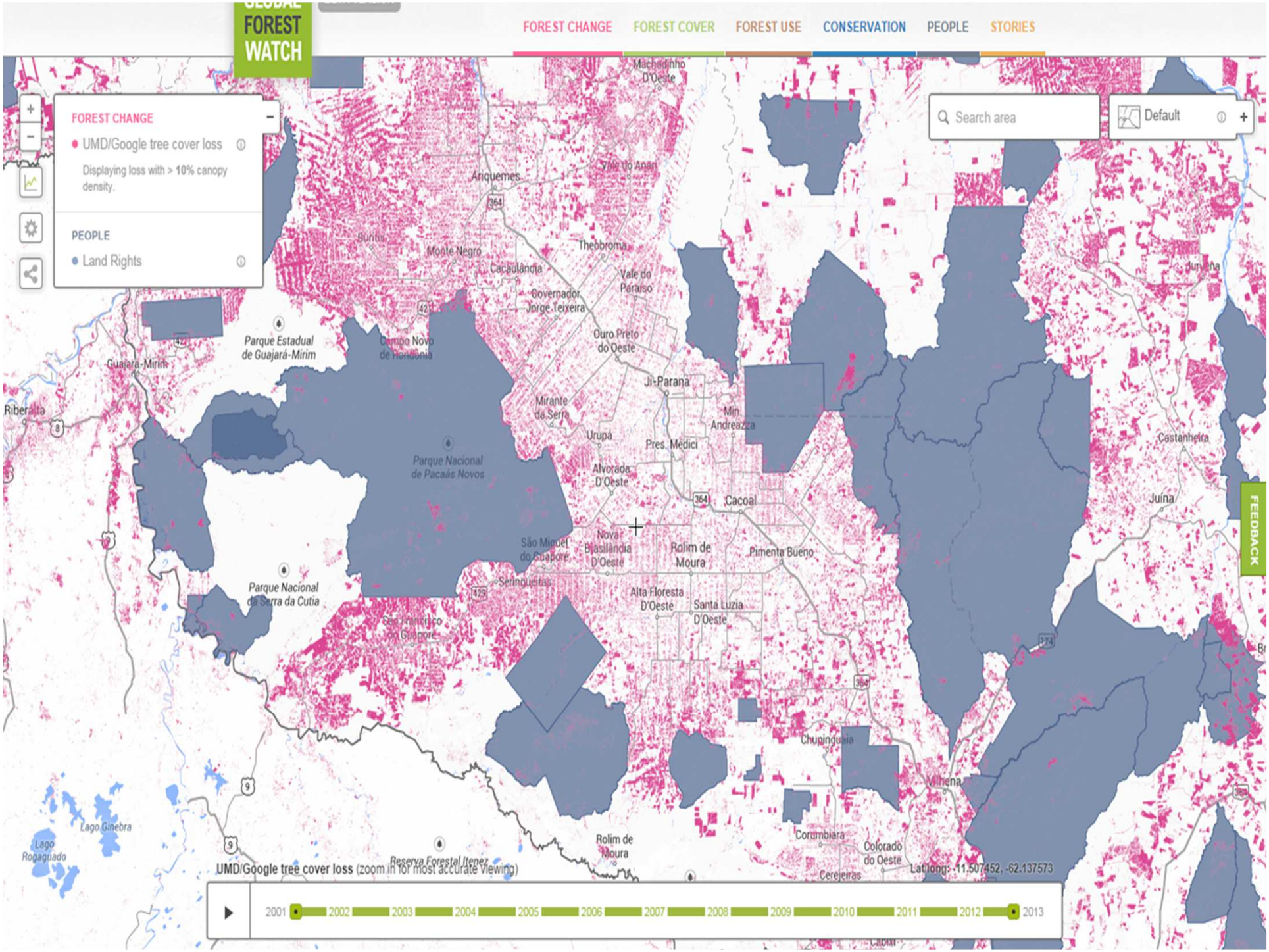

GLOBAL FOREST WATCH
FOREST CHANGE
FOREST COVER
FOREST USE
CONSERVATION
PEOPLE
STORIES
FOREST CHANGE
UMD/Google tree cover loss
Displaying loss with > 10% canopy density.
Search area
Default
Machadinho D'Oeste
Ariquemes
Vale do Anari
Buritis
Monte Negro
Cacaulândia
Thebbroma
Vale do Paraíso
Nova Mamoré
Governador Jorge Teixeira
Parque Estadual de Guajará-Mirim
Campo Novo de Rondônia
Ouro Preto do Oeste
Guajará-Mirim
Ji-Parana
Mirante da Serra
Min. Andreazza
Ribeirãlta
Urupá
Pres. Médici
Parque Nacional de Pacaás Novos
Alvorada D'Oeste
Cacoal
Castanheira
Juína
São Miguel do Guaporé
Nova Brasilândia D'Oeste
Rolim de Moura
Pimenta Bueno
Parque Nacional da Serra da Cutia
Seringueiras
Alta Floresta D'Oeste
Santa Luzia D'Oeste
São Francisco do Guaporé
Chupinguaia
Vilhena
Lago Ginebra
Lago Rogaguado
Rolim de Moura
Reserva Florestal Itenez
Corumbiara
Colorado do Oeste
Cerejeiras
UMD/Google tree cover loss (zoom in for most accurate viewing)
Lat/long: -11.507452, -62.137573
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
FEEDBACK


GLOBAL FOREST WATCH
FOREST CHANGE
FOREST COVER
FOREST USE
CONSERVATION
PEOPLE
STORIES
FOREST CHANGE
UMD/Google tree cover loss
Displaying loss with > 10% canopy density.
Search area
Default
Machadinho D'Oeste
Ariquemes
Vale do Anari
Buritis
Monte Negro
Cacaulândia
Theobroma
Vale do Paraíso
Nova Mamoré
Governador Jorge Teixeira
Ouro Preto do Oeste
Parque Estadual de Guajará-Mirim
Campo Novo de Rondônia
Guajará-Mirim
Ji-Paraná
Mirante da Serra
Min. Andreazza
Ribeirãlta
Urupá
Pres. Médici
Parque Nacional de Pacaás Novos
Alvorada D'Oeste
Cacoal
São Miguel do Guaporé
Nova Brasilândia D'Oeste
Rolim de Moura
Pimenta Bueno
Parque Nacional da Serra da Cutia
Seringueiras
Alta Floresta D'Oeste
Santa Luzia D'Oeste
São Francisco do Guaporé
Chupinguaia
Vilhena
Lago Ginebra
Lago Rogaguado
Rolim de Moura
Reserva Florestal Itenez
Corumbiara
Colorado do Oeste
Cerejeiras
Castanheira
Juína
FEEDBACK
UMD/Google tree cover loss (zoom in for most accurate viewing)
Lat/long: -11.507452, -62.137573
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013


GLOBAL FOREST WATCH
FOREST CHANGE
FOREST COVER
FOREST USE
CONSERVATION
PEOPLE
STORIES
FOREST CHANGE
UMD/Google tree cover loss
Displaying loss with > 10% canopy density.
Search area
Default
Machadinho D'Oeste
Ariquemes
Vale do Anari
Buritis
Monte Negro
Cacaulândia
Theobroma
Vale do Paraíso
Nova Mamoré
Governador Jorge Teixeira
Ouro Preto do Oeste
Parque Estadual de Guajará-Mirim
Campo Novo de Rondônia
Guajará-Mirim
Ji-Paraná
Mirante da Serra
Min. Andreazza
Ribeirãlta
Urupá
Pres. Médici
Parque Nacional de Pacaás Novos
Alvorada D'Oeste
Castanheira
Cacoal
Juína
São Miguel do Guaporé
Nova Brasilândia D'Oeste
Rolim de Moura
Pimenta Bueno
Parque Nacional da Serra da Cutia
Seringueiras
Alta Floresta D'Oeste
Santa Luzia D'Oeste
São Francisco do Guaporé
Chupinguaia
Vilhena
Lago Ginebra
Lago Rogaguado
Rolim de Moura
Corumbiara
Colorado do Oeste
Reserva Florestal Itenez
Cerejeiras
UMD/Google tree cover loss (zoom in for most accurate viewing)
Lat/long: -11.507452, -62.137573
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
FEEDBACK


GLOBAL FOREST WATCH
FOREST CHANGE
FOREST COVER
FOREST USE
CONSERVATION
PEOPLE
STORIES
FOREST CHANGE
UMD/Google tree cover loss
Displaying loss with > 10% canopy density.
Search area
Default
Machadinho D'Oeste
Ariquemes
Vale do Anari
Buritis
Monte Negro
Cacaulândia
Theobroma
Vale do Paraíso
Nova Mamoré
Governador Jorge Teixeira
Ouro Preto do Oeste
Parque Estadual de Guajará-Mirim
Campo Novo de Rondônia
Guajará-Mirim
Ji-Paraná
Mirante da Serra
Min. Andreazza
Ribeirãlta
Urupá
Pres. Médici
Parque Nacional de Pacaás Novos
Alvorada D'Oeste
Cacoal
Castanheira
Juína
São Miguel do Guaporé
Nova Brasilândia D'Oeste
Rolim de Moura
Pimenta Bueno
Parque Nacional da Serra da Cutia
Seringueiras
Alta Floresta D'Oeste
Santa Luzia D'Oeste
São Francisco do Guaporé
Chupinguaia
Lago Ginebra
Lago Rogaguado
Rolim de Moura
Reserva Florestal Itenez
Corumbiara
Colorado do Oeste
Cerejeiras
UMD/Google tree cover loss (zoom in for most accurate viewing)
Lat/long: -11.507452, -62.137573
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
FEEDBACK


GLOBAL FOREST WATCH
FOREST CHANGE
FOREST COVER
FOREST USE
CONSERVATION
PEOPLE
STORIES
FOREST CHANGE
UMD/Google tree cover loss
Displaying loss with > 10% canopy density.
Search area
Default
Machadinho D'Oeste
Ariquemes
Vale do Anari
Buritis
Monte Negro
Cacaulândia
Thebbroma
Vale do Paraíso
Governador Jorge Teixeira
Nova Mamoré
Parque Estadual de Guajará-Mirim
Campo Novo de Rondônia
Ouro Preto do Oeste
Guajará-Mirim
Ji-Paraná
Mirante da Serra
Min. Andreazza
Ribeirália
Urupá
Pres. Médici
Parque Nacional de Pacaás Novos
Alvorada D'Oeste
Castanheira
Cacoal
Juína
São Miguel do Guaporé
Nova Brasilândia D'Oeste
Rolim de Moura
Pimenta Bueno
Parque Nacional da Serra da Cutia
Seringueiras
Alta Floresta D'Oeste
Santa Luzia D'Oeste
Chupinguaia
Lago Ginebra
Lago Rogaguado
Rolim de Moura
Corumbiara
Colorado do Oeste
Cerejeiras
Reserva Florestal Itenez
UMD/Google tree cover loss (zoom in for most accurate viewing)
Lat/long: -11.507452, -62.137573
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
FEEDBACK


GLOBAL FOREST WATCH
FOREST CHANGE
FOREST COVER
FOREST USE
CONSERVATION
PEOPLE
STORIES
FOREST CHANGE
UMD/Google tree cover loss
Displaying loss with > 10% canopy density.
PEOPLE
Land Rights
Search area
Default
FEEDBACK
Machadinho D'Oeste
Ariquemes
Vale do Anari
Buritis
Monte Negro
Cacaulândia
Thebbroma
Vale do Paraíso
Governador Jorge Teixeira
Ouro Preto do Oeste
Parque Estadual de Guajará-Mirim
Campo Novo de Rondônia
Guajará-Mirim
Ji-Paraná
Mirante da Serra
Min. Andreazza
Riberalta
Urupá
Pres. Médici
Castanheira
Parque Nacional de Pacaás Novos
Alvorada D'Oeste
Cacoal
Juína
São Miguel do Guaporé
Nova Brasilândia D'Oeste
Rolim de Moura
Pimenta Bueno
Seringueiras
Parque Nacional da Serra da Cutia
Alta Floresta D'Oeste
Santa Luzia D'Oeste
São Francisco do Guaporé
Chupinguaia
Vilhena
Lago Ginebra
Lago Rogaguado
Corumbiara
Rolim de Moura
Colorado do Oeste
Reserva Florestal Itenez
Cerejeiras
UMD/Google tree cover loss (zoom in for most accurate viewing)
Lat/long: -11.507452, -62.137573
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013

3. INVESTIGATING THE ECONOMIC RATIONALE OF INVESTING IN ECOSYSTEMS

Source: FAO 2015; Photo: Alexander Edward/Flickr

WRI'S RESEARCH STANDARDS GO BEYOND THE USUAL …..

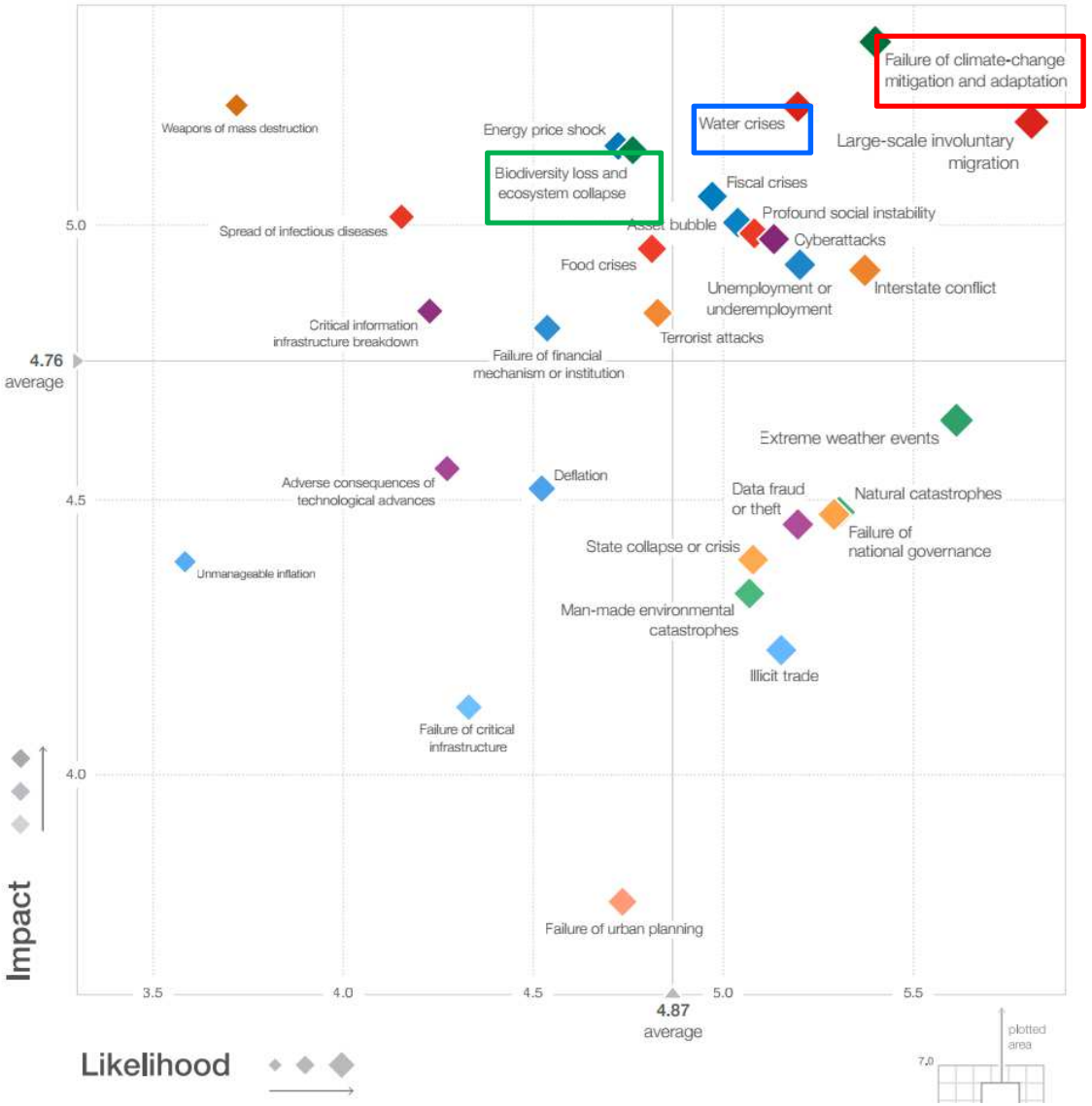
Think tank

- ✓ Robust
- ✓ Well written & presented
- ✓ Independent of bias
- ✓ Value added

Do tank

- ✓ Fit for audience
- ✓ Timely
- ✓ Institutionally coherent
- ✓ Actionable

WORLD ECONOMIC FORUM: ECOSYSTEM DEGRADATION IS A GLOBAL RISK



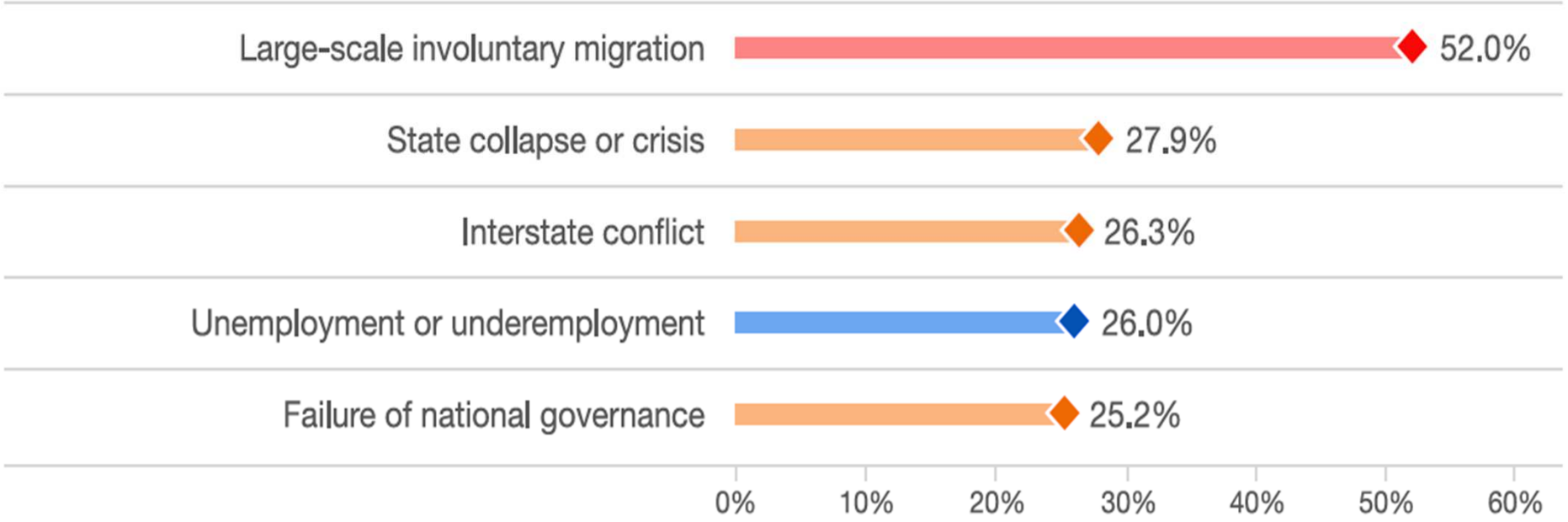
Top 10 risks in terms of

Impact

1. Failure of climate-change mitigation and adaptation
2. Weapons of mass destruction
3. Water crises
4. Large-scale involuntary migration
5. Energy price shock
6. Biodiversity loss and ecosystem collapse
7. Fiscal crises
8. Spread of infectious diseases
9. Asset bubble
10. Profound social instability

WHAT WORRIES YOU?

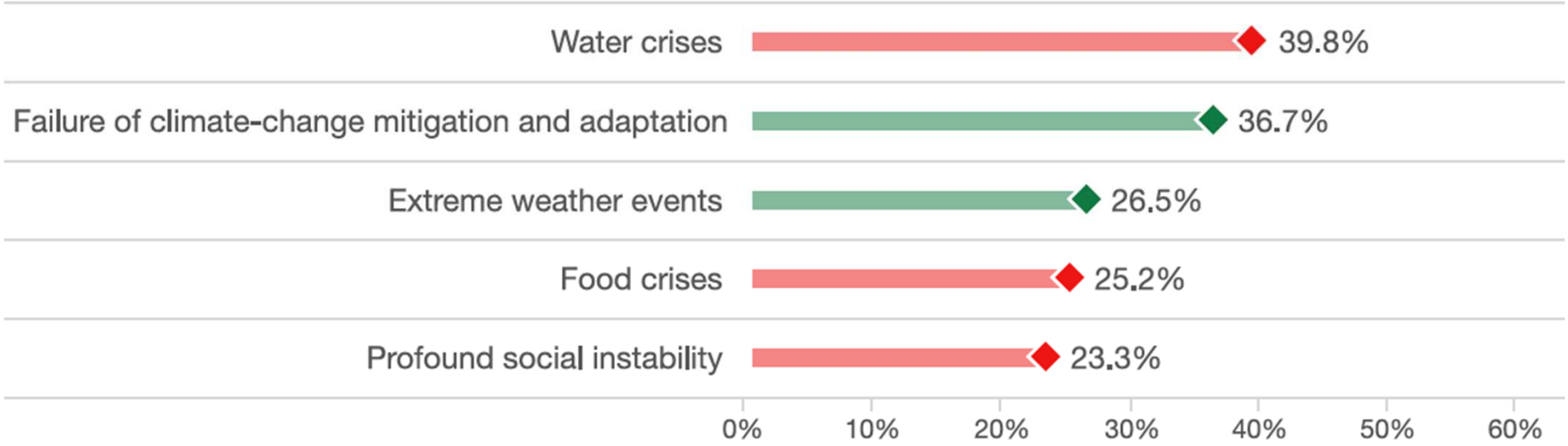
Global Risks of Highest Concern: For the Next 18 Months



Source: " The Global Risks Report 2016." Figure 1.2. World Economic Forum
http://www3.weforum.org/docs/Media/TheGlobalRisksReport2016.pdf

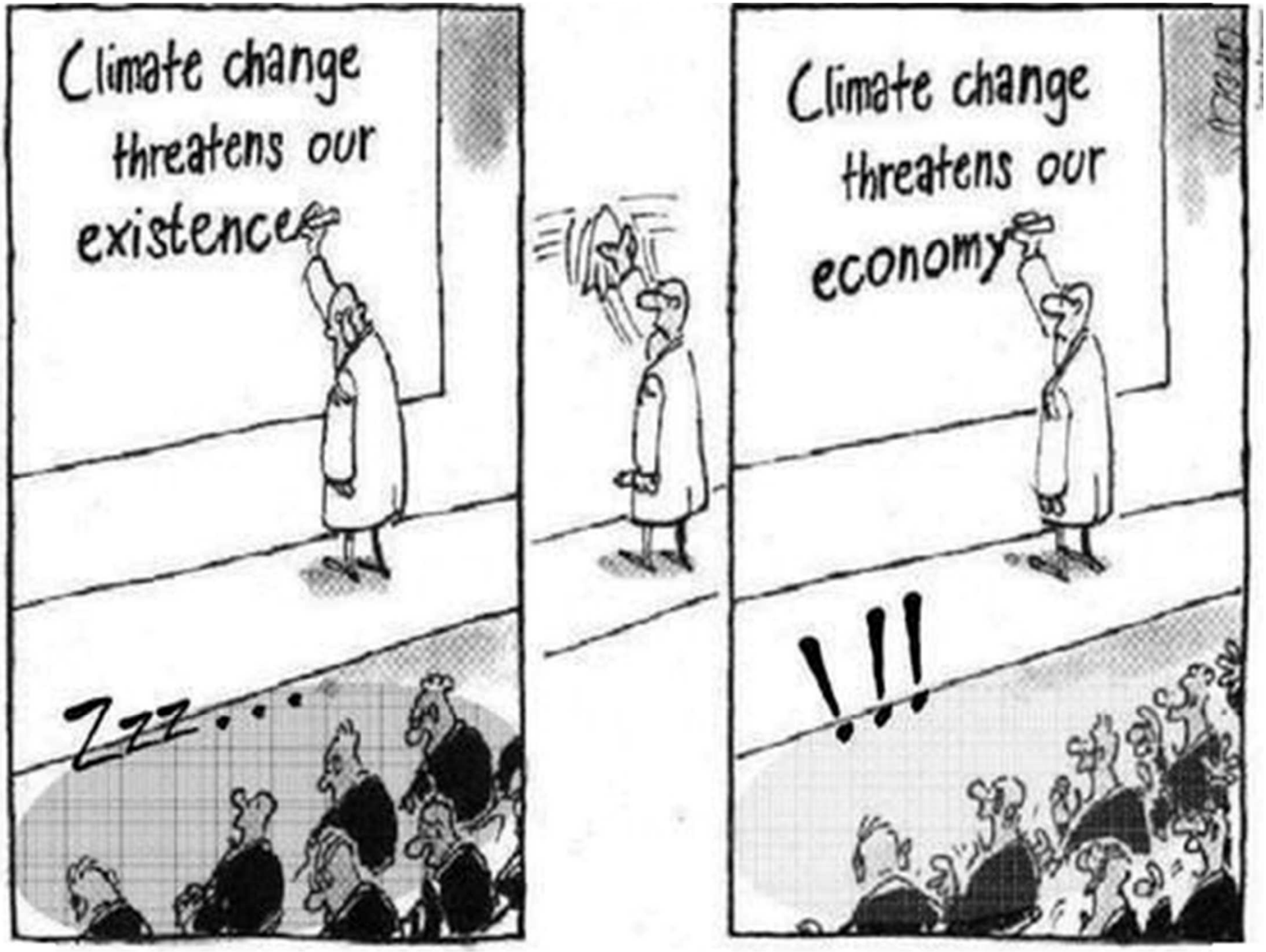
WHAT WORRIES YOU?

Global Risks of Highest Concern: For the Next 10 Years



Note: Percent of participants mentioning the respective risk to be of high concern for the time frame of 18 months or 10 years, respectively. Participants could name up to five risks in each time frame. In each category, the risks are sorted by the total sum of mentions.

Source: " The Global Risks Report 2016." Figure 1.2. World Economic Forum
http://www3.weforum.org/docs/Media/TheGlobalRisksReport2016.pdf


Climate change threatens our existence
Zzz...
Climate change threatens our economy
!!!

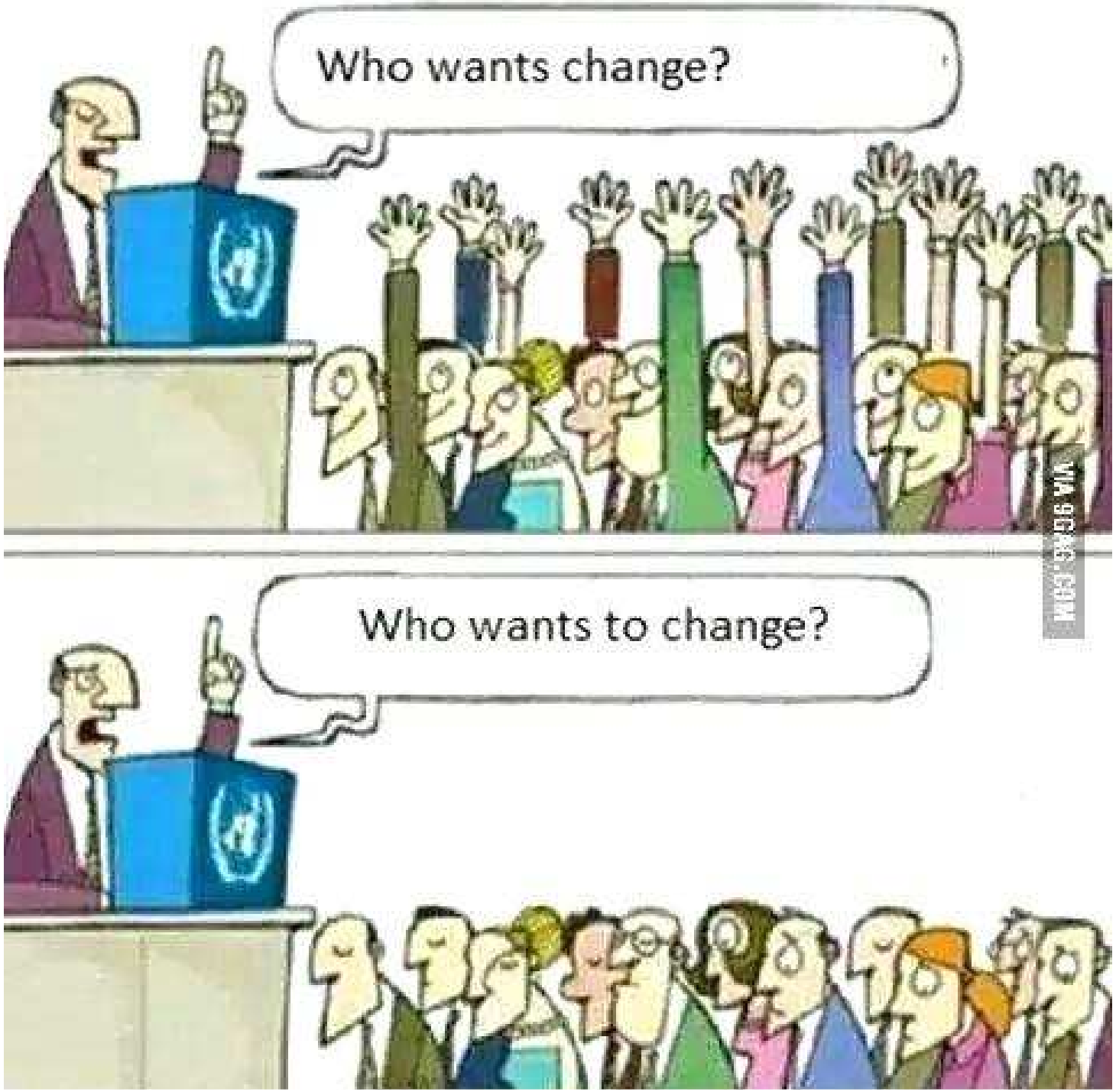
THE GLOBAL COMMISSION ON THE ECONOMY AND CLIMATE

Better Growth, Better Climate: The New Climate Economy Report

CONCLUSION:
RESEARCH HAS MAJOR ROLE TO PLAY

BUT IT NEEDS TO BE:

1. **INTEGRATED**
2. **UNLOCKING 'BIG DATA' OPPORTUNITIES**
3. **FOCUSED ON ACCELERATING CHANGE**


Who wants change?
Who wants to change?