

# Sliding Back or Moving Forward?

*Protected area degazettement, representativeness, & non-regression*



#PADDD

@PADDDtracker.org

# Sliding Back or Moving Forward?

*Protected area degazettement, representativeness, & non-regression*

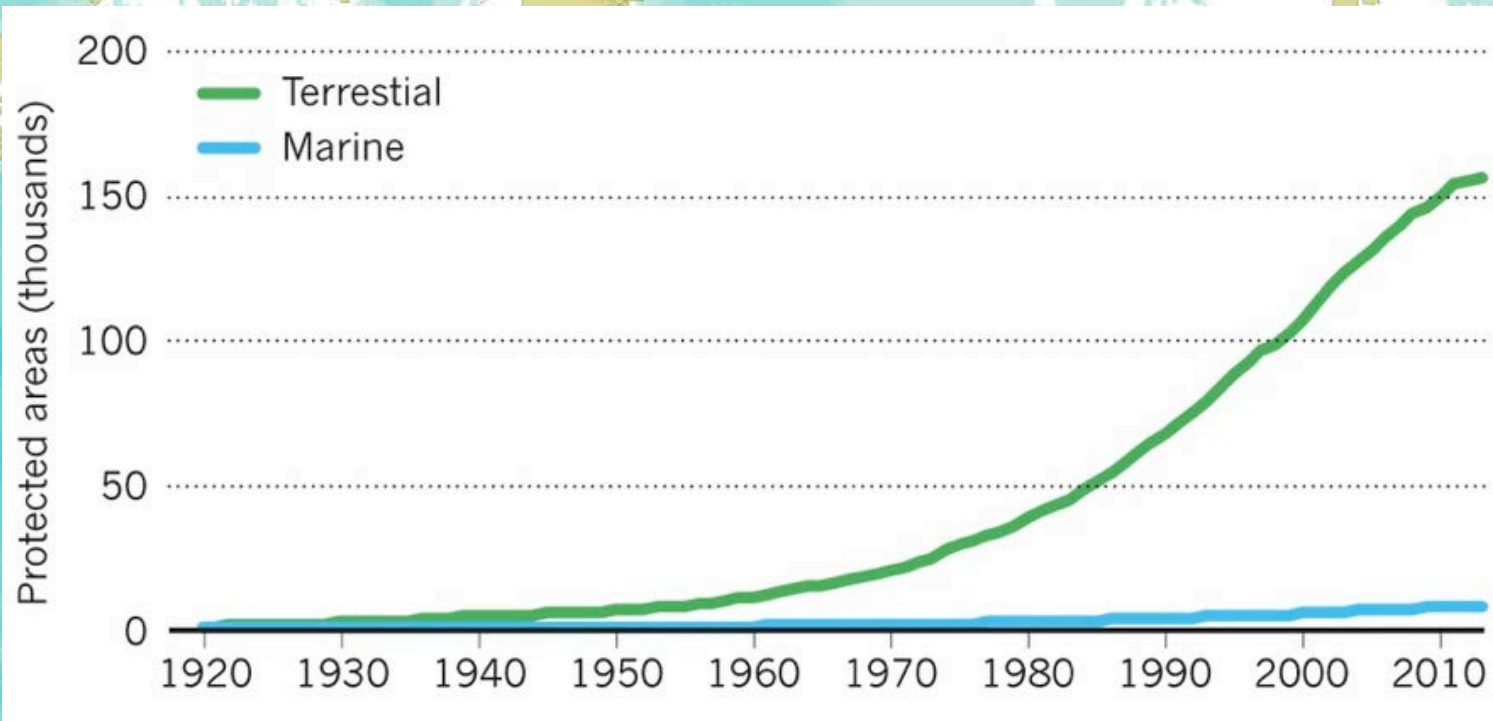
Mike Mascia (Conservation International)

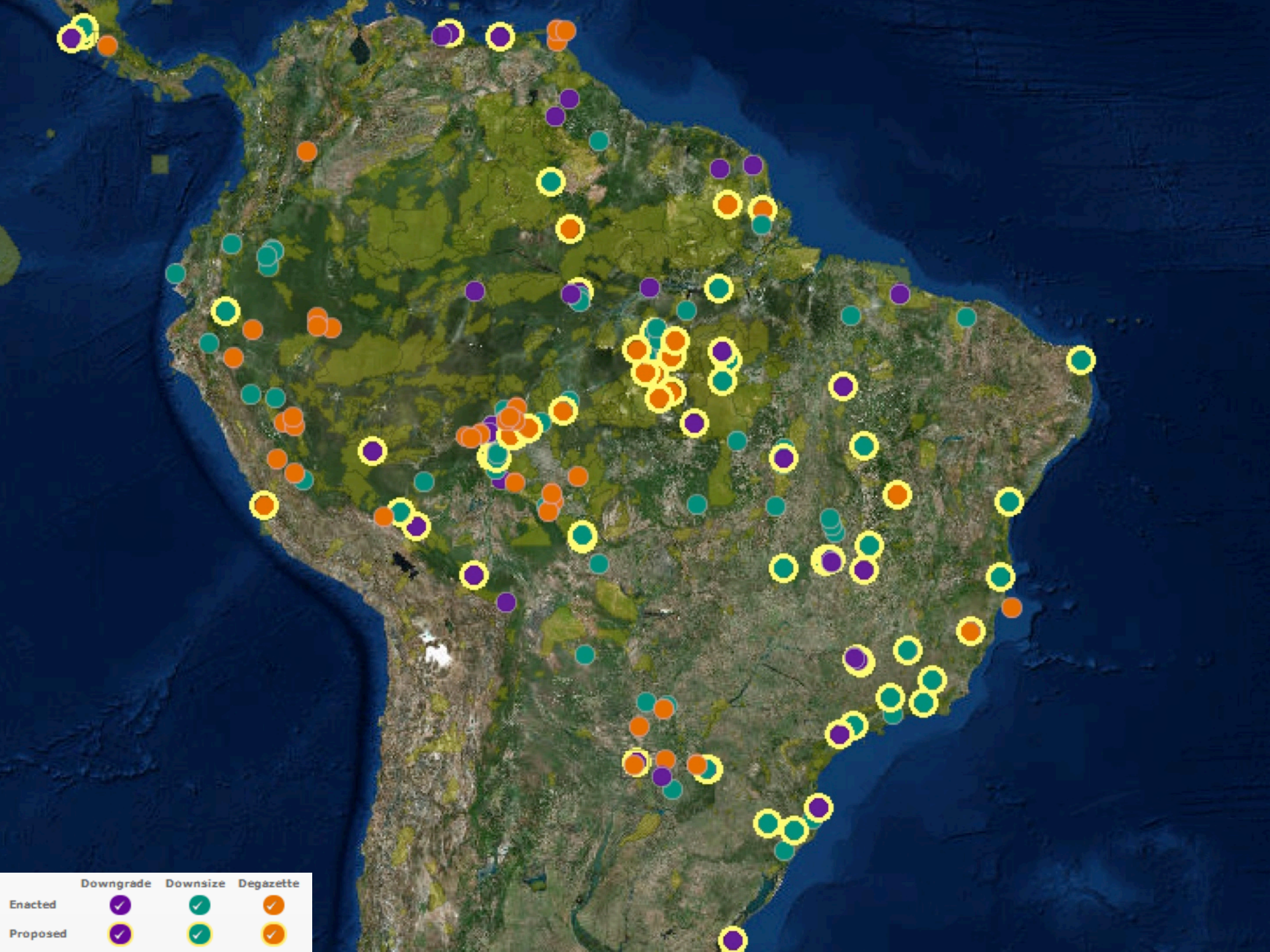
Mariana Ferreira (WWF-Brazil)

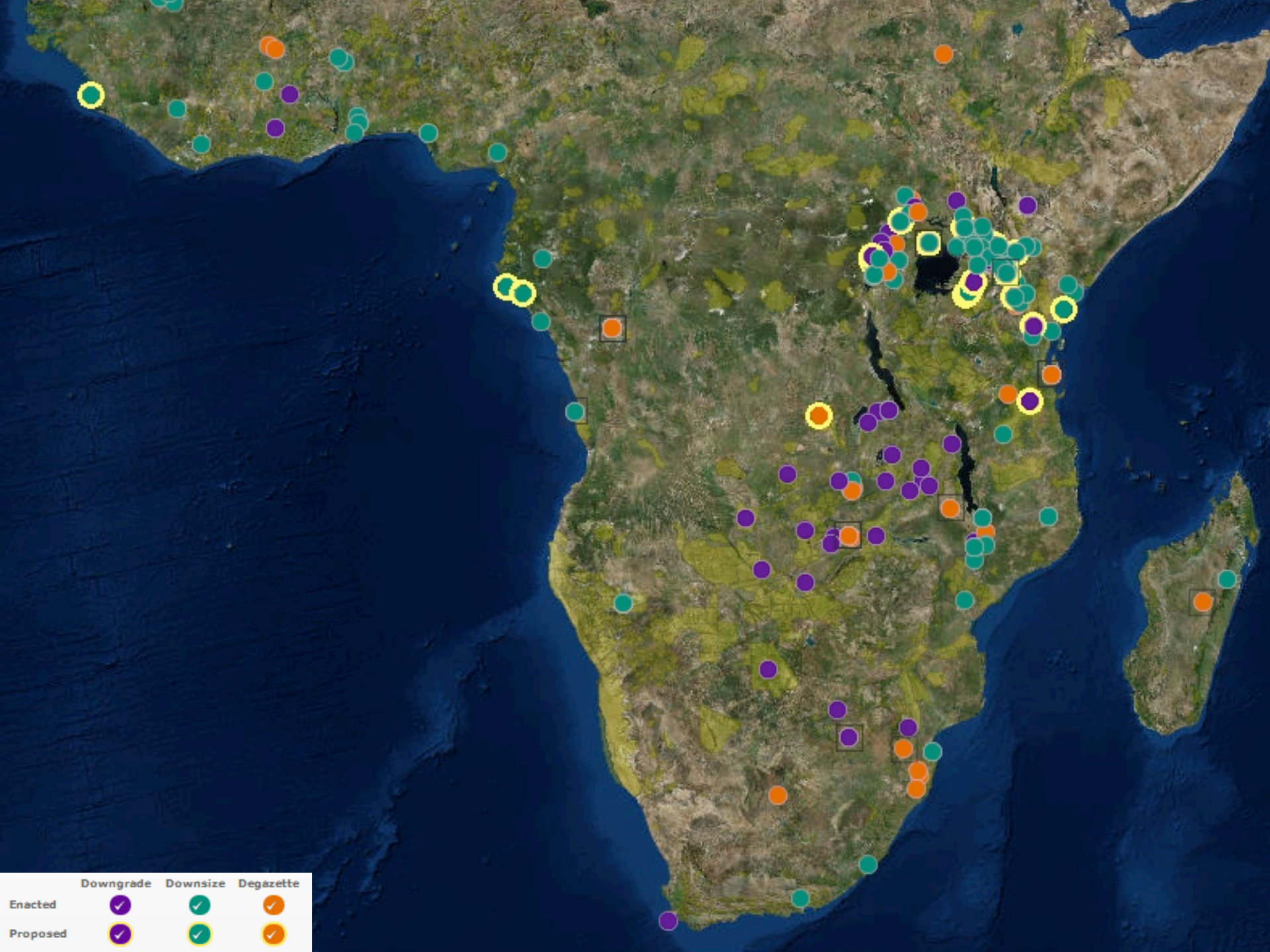
David Farrier (U. Wollongong)



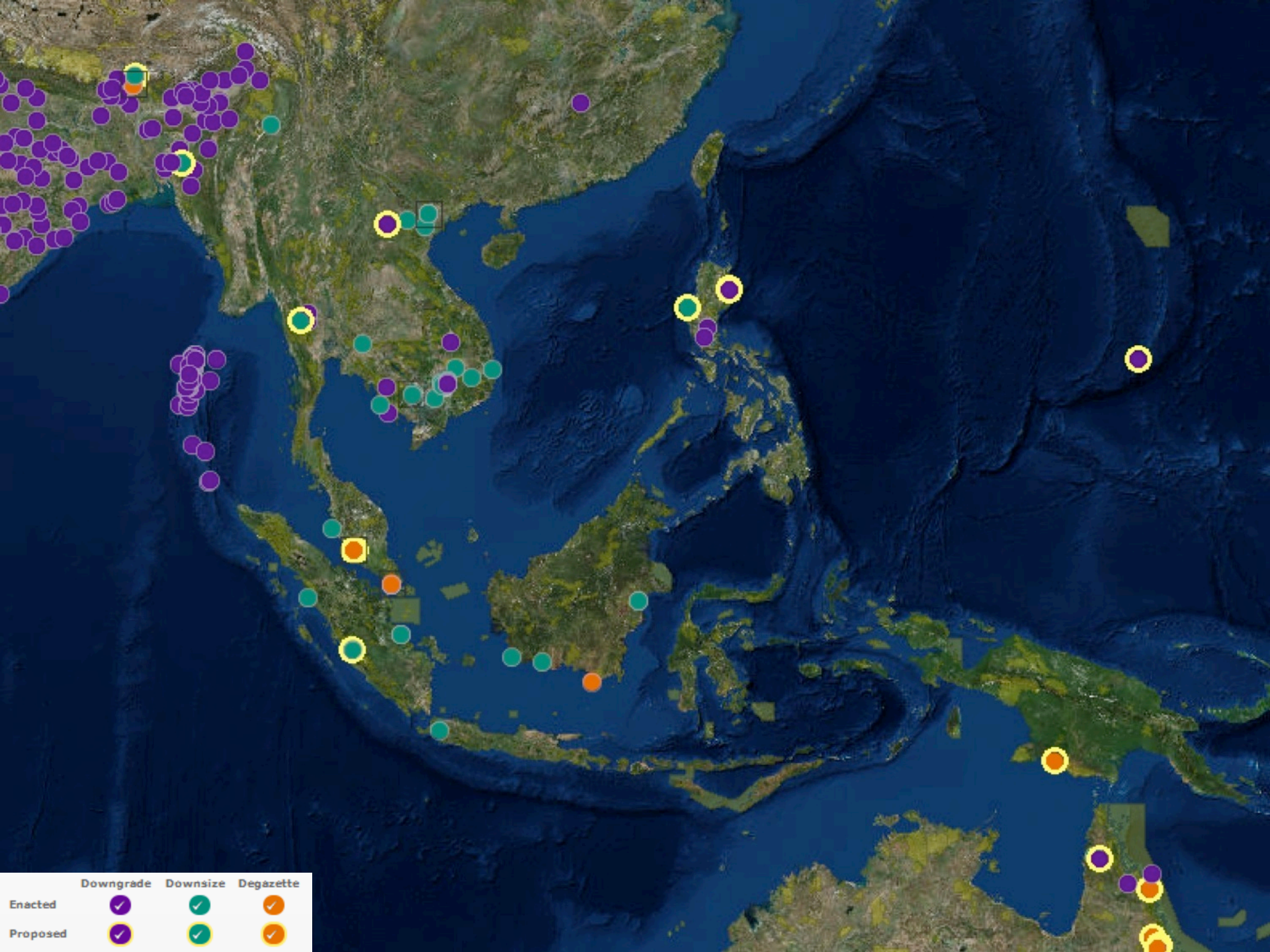
Environmental Law Centre &  
World Commission on Environmental Law







	Downgrade	Downsize	Degazette
Enacted	✓	✓	✓
Proposed	✓	✓	✓



	Downgrade	Downsize	Degazette
Enacted	✓	✓	✓
Proposed	✓	✓	✓

# Protected Area Downgrading, Downsizing, & Degazettement (PADDD) *and its conservation implications*



Mike Mascia  
Conservation International

Sharon Pailler, Roopa Krithivasan, Jessica Forrest, Nasser Olwero, Rachel Golden, Volha Roshchanka, David Burns, McCard Joseph Mlotha, Dana Roeber Murray, Naiying Peng, Shalynn Pack, Laurel Mathews, Hiwot Gebremariam, Siti Zuraidah Abidin, Mara Deza Araujo, Juan Carlos Riveros, Mariana Ferreira, Allard Blom, Paya DeMarcken, Jennifer Murrow, Bill Fagan, Enrico Bernard

# Prüfungsausschuss





2000 enacted PADD events

1280 protected areas

74 countries

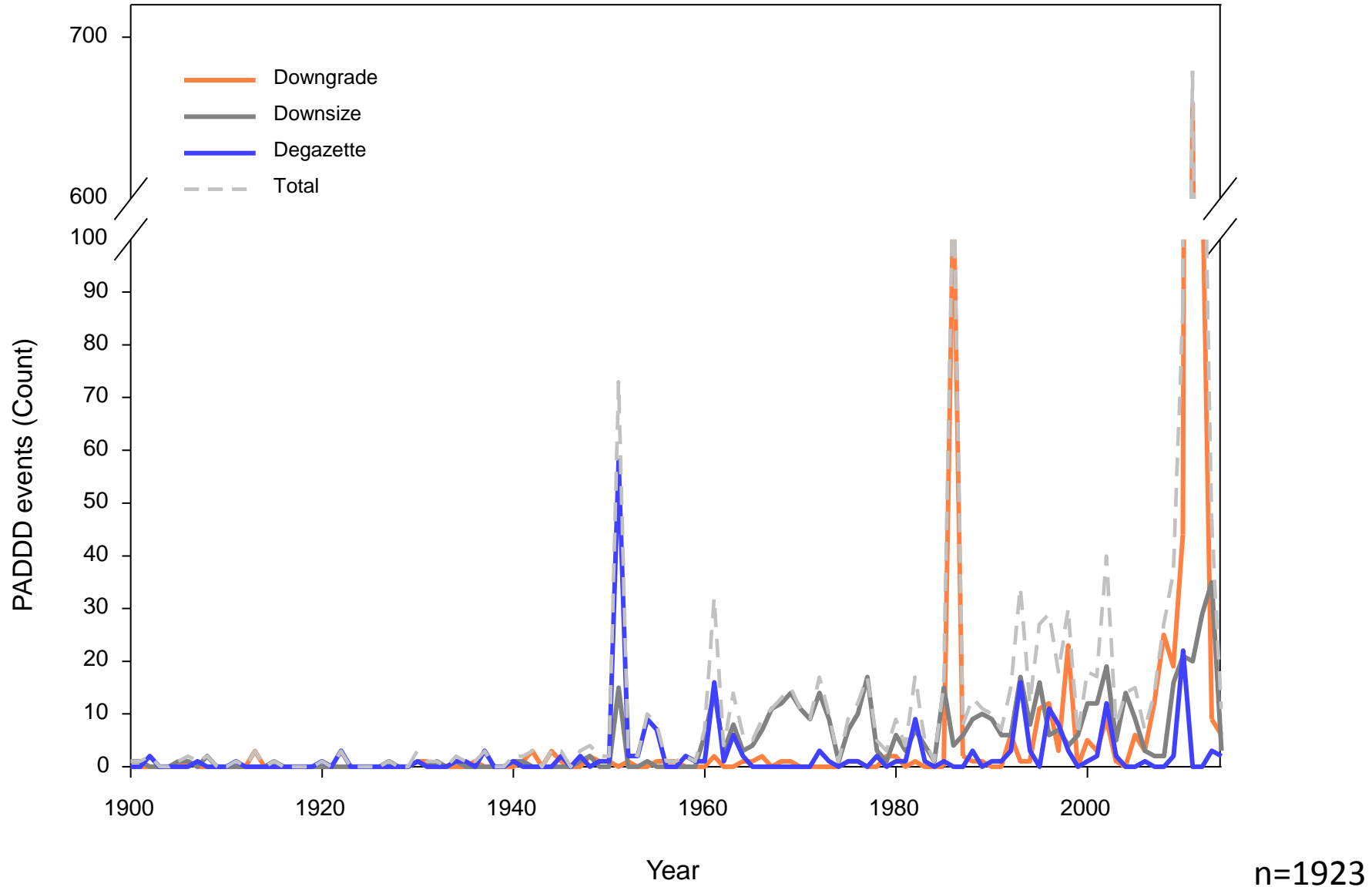
>2,500,000 km<sup>2</sup> affected

1146 Downgrades

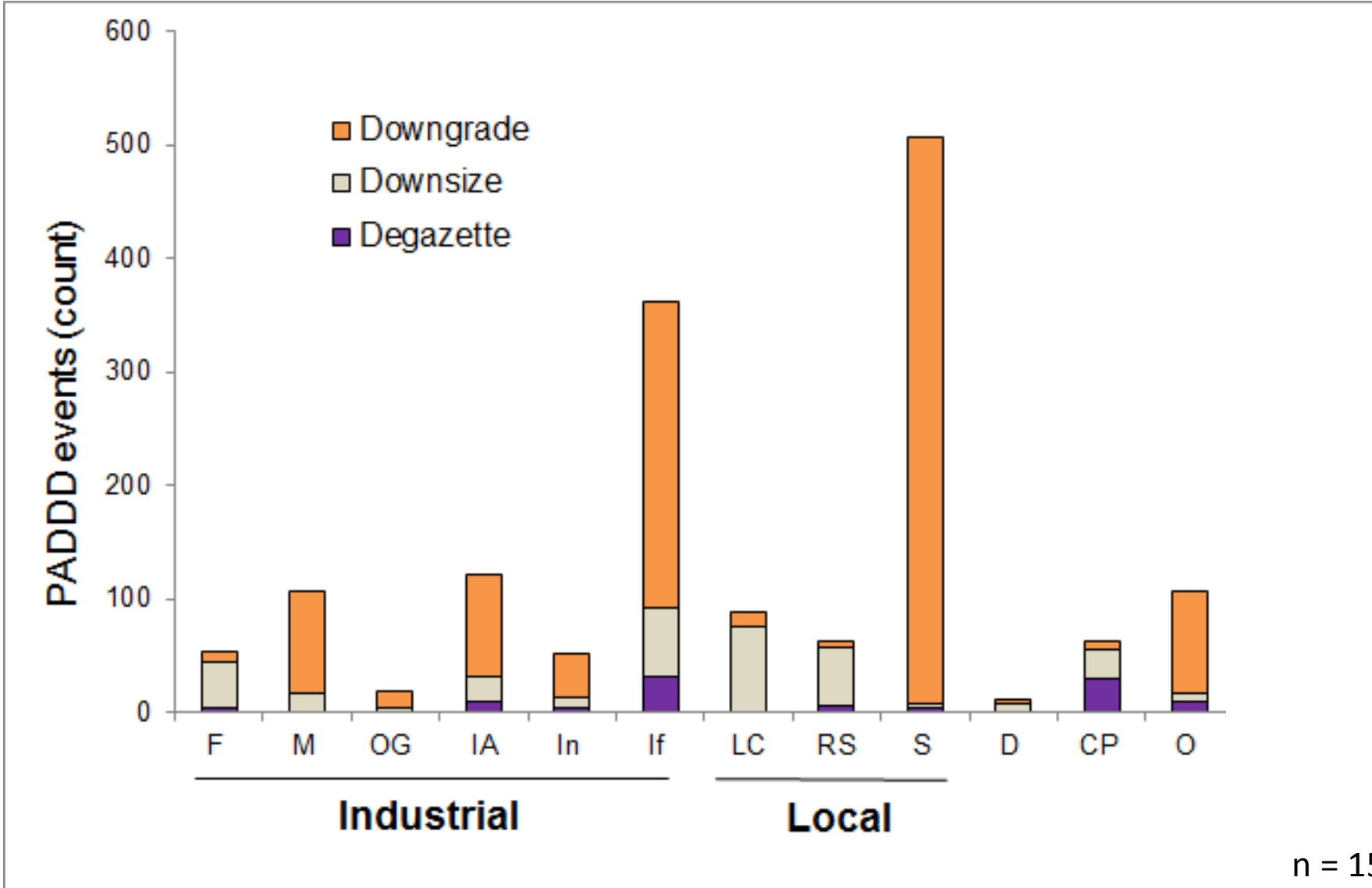
583 Downsizes

271 Degazettements

# trends: enacted PADDD, 1900-2014



# proximate causes: enacted PADDD, 1900-2014



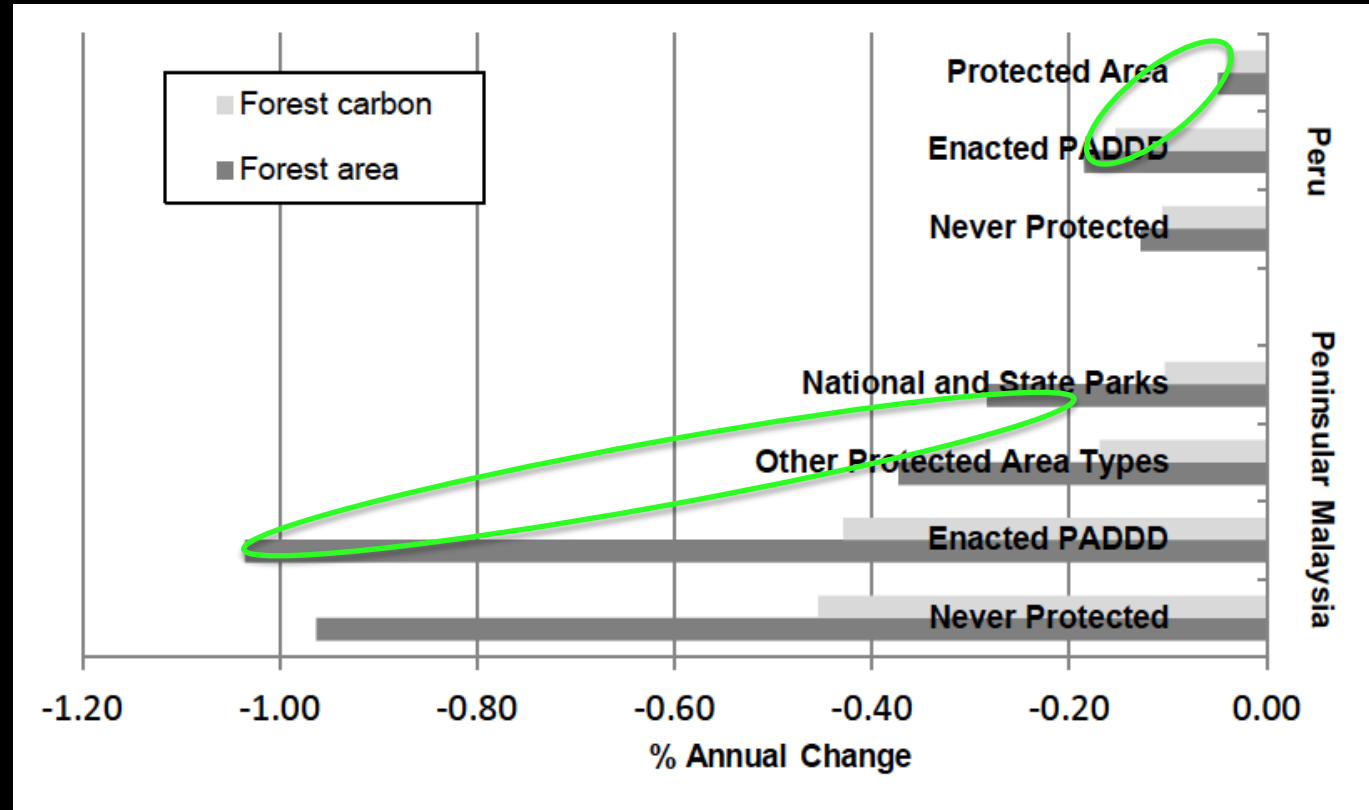
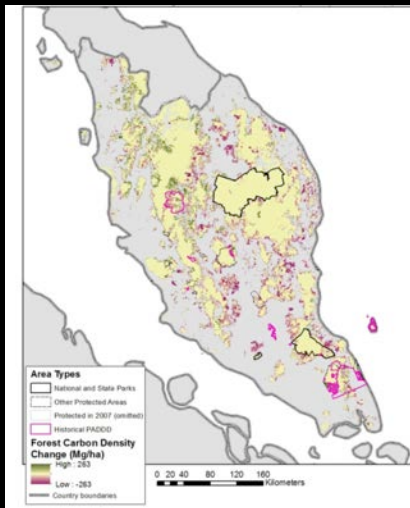


LETTERS

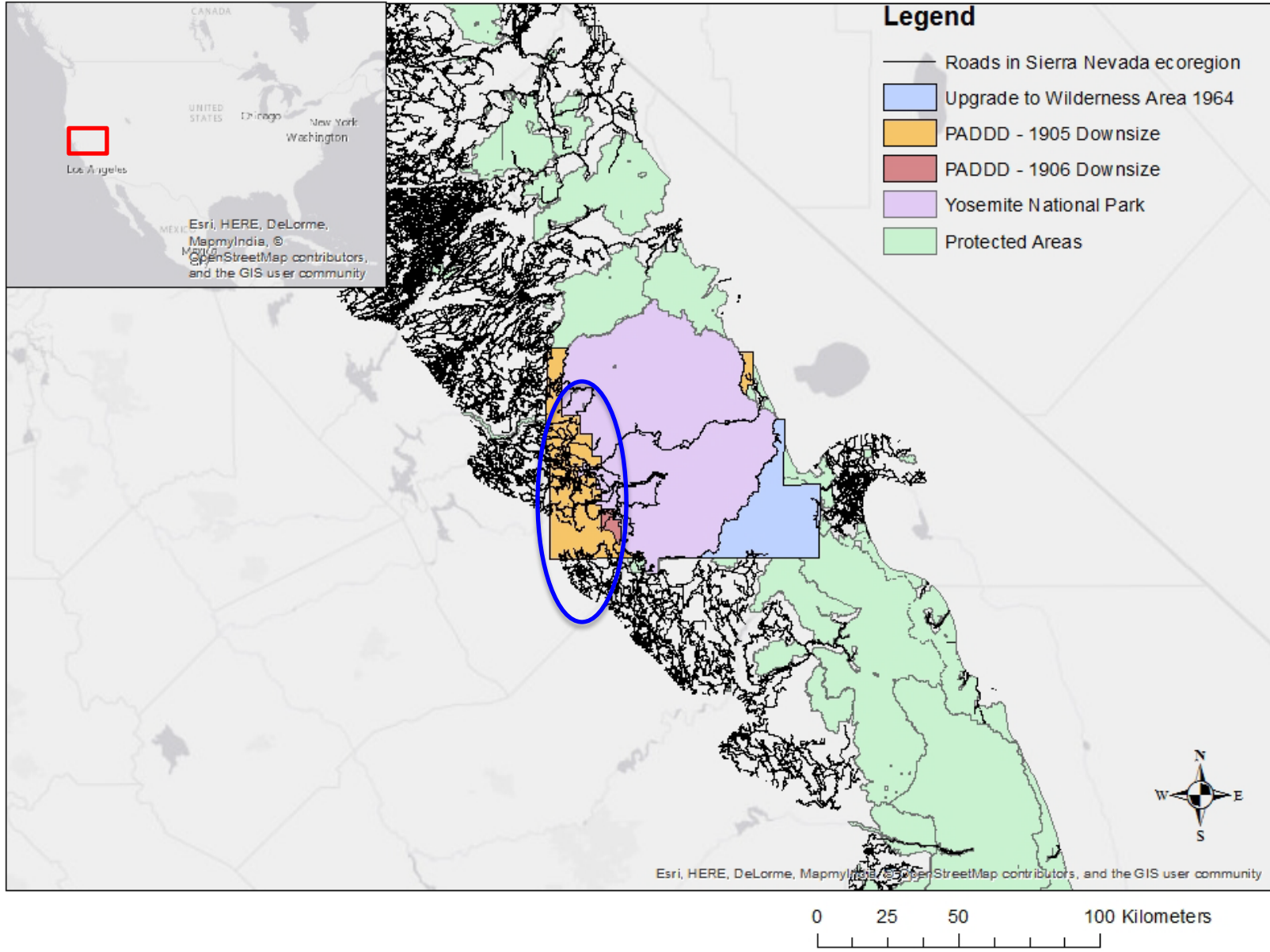
## **Tropical Deforestation and Carbon Emissions from Protected Area Downgrading, Downsizing, and Degazettement (PADDD)**

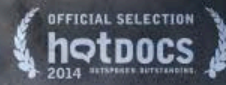
Jessica L. Forrest<sup>1</sup>, Michael B. Mascia<sup>1,\*</sup>, Sharon Pailler<sup>1,2</sup>, Siti Zuraidah Abidin<sup>3</sup>, Mara Deza Araujo<sup>4,5</sup>, Roopa Krithivasan<sup>1,†</sup>, & Juan Carlos Riveros<sup>4</sup>

# impacts: deforestation & carbon emissions



# impacts: habitat fragmentation

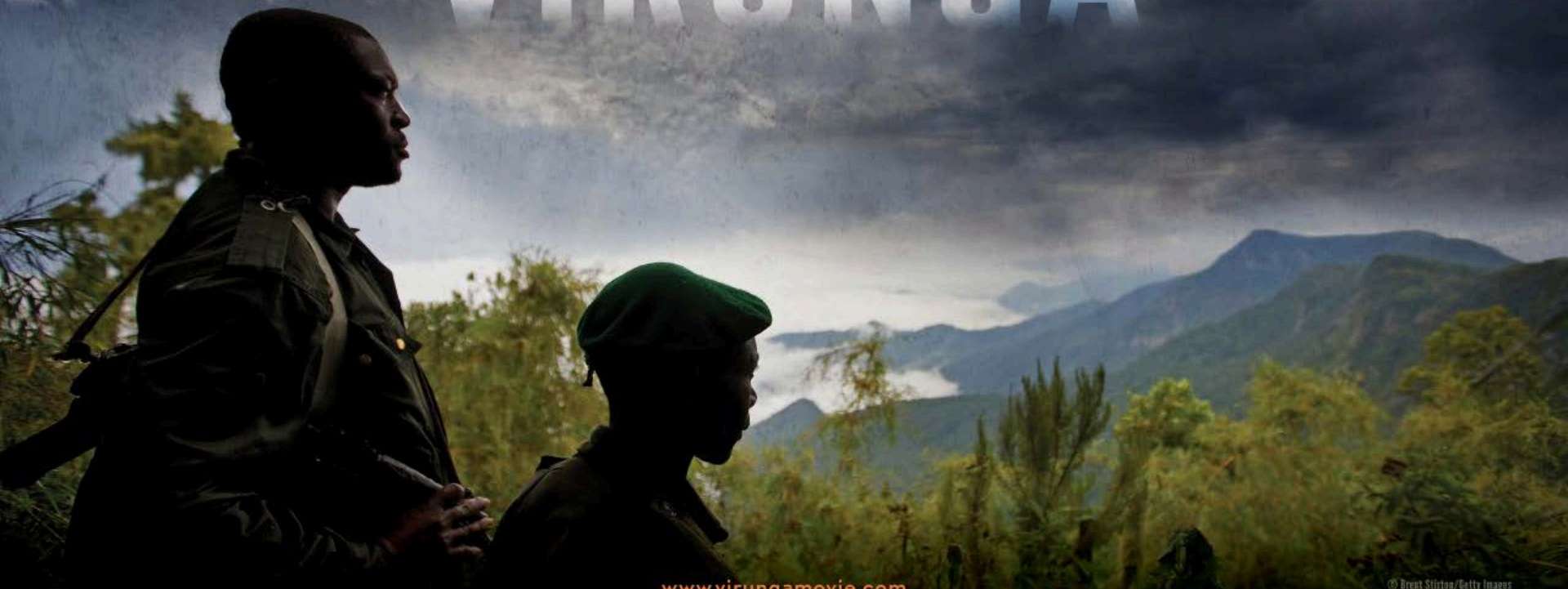




THE BERTHA FOUNDATION, THE BRITDOC FOUNDATION & VIOLET FILMS PRESENT

a grain media film

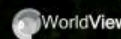
# VIRUNGA



[www.virungamovie.com](http://www.virungamovie.com)

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ORIGINAL SCORE BY PATRICK JONSSON EXECUTIVE PRODUCERS HOWARD G. BUFFETT CEO HOWARD G. BUFFETT FOUNDATION JON DREVER, MAXYNE FRANKLIN & JESS SEARCH PRODUCED BY ORLANDO VON EINSIEDEL & JOANNA NATASEGARA  
IMPACT PRODUCER JOANNA NATASEGARA ASSISTANT PRODUCER PATRICK VERNON CINEMATOGRAPHY FRANKLIN DOW & ORLANDO VON EINSIEDEL EDITED BY MASAHIRO HIRAKUBO DIRECTED BY ORLANDO VON EINSIEDEL



2308 proposed PADD events

1789 proposed areas

36 co-PADDs

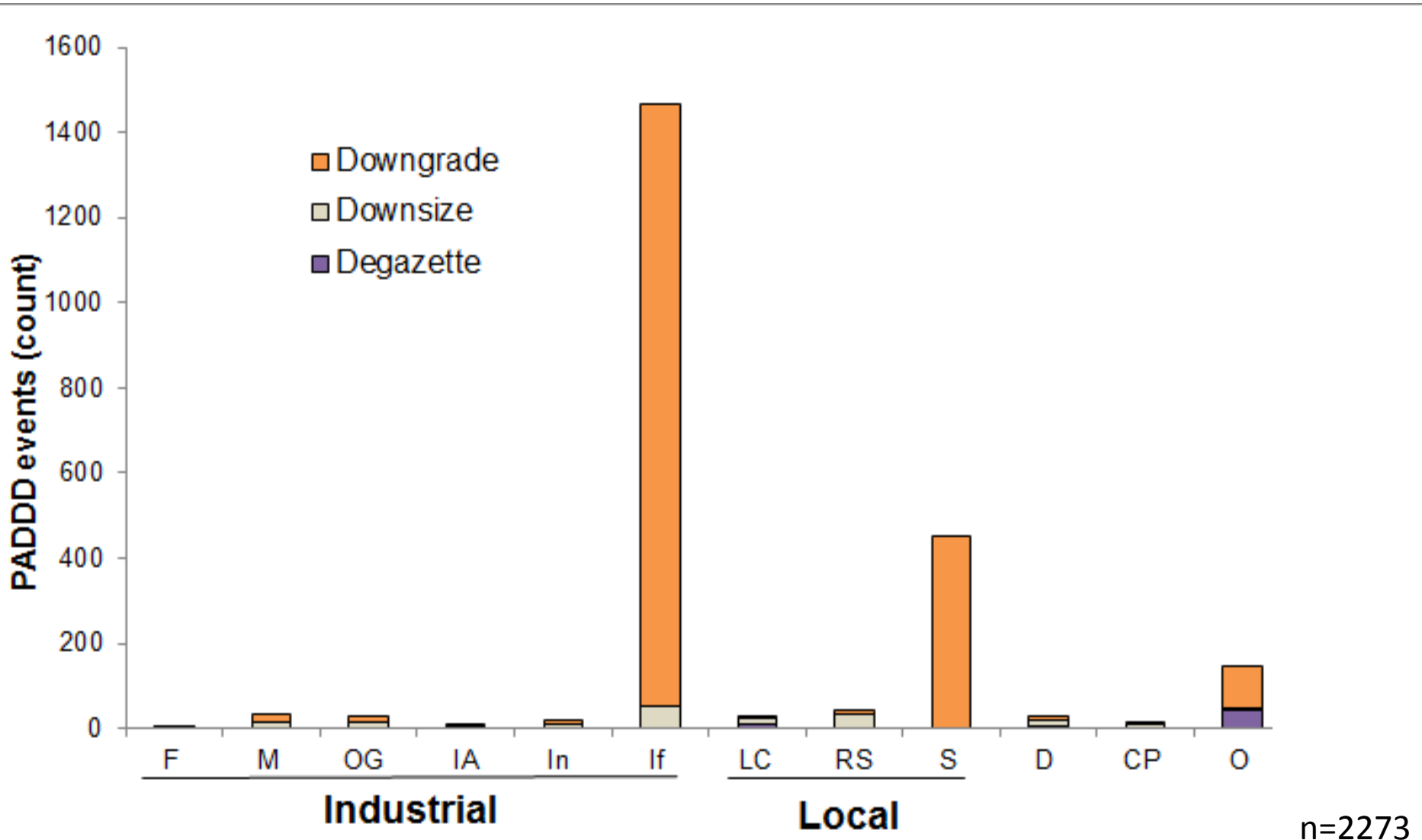
>2,031,000 km<sup>2</sup> affected

1587 Active

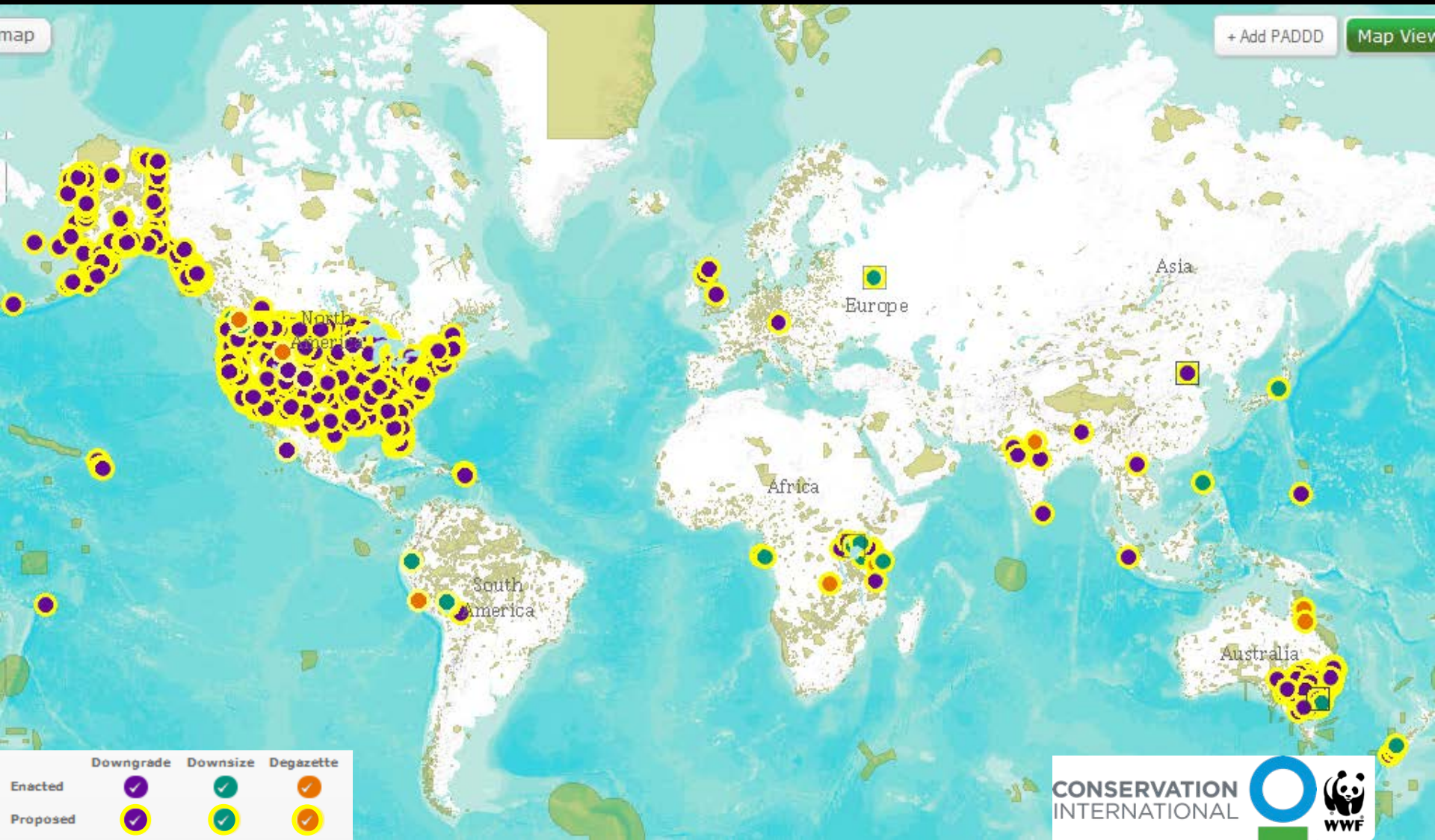
721 Reversed



# proximate causes: proposed PADDD



# proposed PADD



# conclusions

Protected areas ≠ permanent

## PADDD

- widespread, patchy, episodic
- global & local causes
- historic & contemporary
- biodiversity & climate impacts

Reexamine protected area strategies

Rethink “sustainability” of conservation interventions

# future directions

Document patterns, trends, & causes

Determine impacts

Assess risk

Develop policies & safeguards



Retweeted by PADDTracker.org  
**Rachel Golden** @RachGolden · Jan 2  
A proposed change to a protected area struck down - gravel road will not be built in Izembek NWR  
[@PADDTracker reut.rs/19MDnlp](#)

**PADDTracker.org** @PADDTracker · Feb 6  
.@James\_Borrell thanks for covering the [PADDTracker.org](#) data release!

Retweeted by PADDTracker.org  
**Rachel Golden** @RachGolden · Jan 31  
plan to dump dredged sediment in protected [#greatbarrierreef](#) barrier reef approved. [#appalling](#)  
[@PADDTracker](#)

Retweeted by PADDTracker.org  
**Richard McLellan** @RichardMcLellan · Jan 31  
Depressing!  
Bid to remove forests from Tasmania's [#WorldHeritageArea abc.net.au/news/2014-01-31-...](#)  
[@UNESCO @PADDTracker](#)

**PADDTracker.org** @PADDTracker · Feb 5  
PADD averted? Shell drops plans to drill in the Arctic for now [news.mongabay.com/2014/0130-hanc...](#)

**PADDTracker.org** @PADDTracker · Feb 5  
Total says it will not drill in any World Heritage Sites [news.mongabay.com/2014/0203-hanc...](#) via [@po\\_st](#)

Retweeted by PADDTracker.org  
**Nartured** @nartured · Feb 3  
Total says it will not drill in any World Heritage Sites [bit.ly/MT19tX](#) [#protectedareas](#) [#parks](#)

**PADDTracker.org** @PADDTracker · Feb 5  
Gas company to drill in Manu National Park buffer zone, imperiling indigenous people [news.mongabay.com/2014/0204-hill...](#) via [@po\\_st](#)

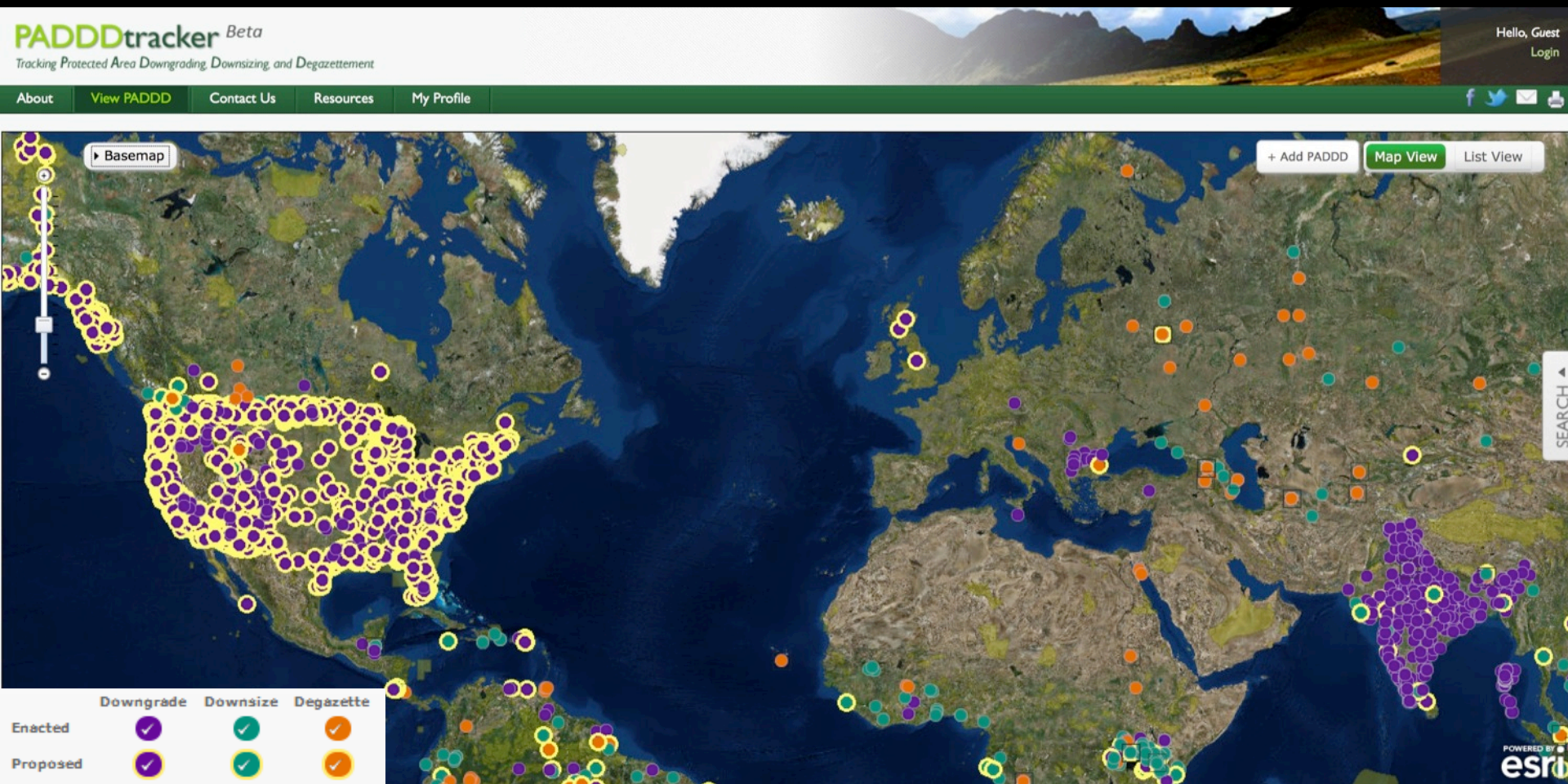
**PADDTracker.org** @PADDTracker · Feb 5  
[#China's](#) national parks face "political, economic and bureaucratic obstacles" [chinadialogue.net/article/show/s...](#)

**PADDTracker.org** @PADDTracker · Feb 4  
Downgrading in [#Australia](#)? Govt Permits Dredge Dumping Within Marine Reserve Near Great Barrier Reef for Coal Port [ny6.ms/1kRlUZC](#)

**PADDTracker.org** @PADDTracker · Feb 3  
Tackling [#development](#) & [#encroachment](#) in [#Laos](#): Govt plans to demarcate [#protectedarea](#) boundaries [bernama.com.my/bernama/v7/wnf/...](#)

**PADDTracker.org** @PADDTracker · Jan 16  
We have a new research paper on [#PADD](#) in

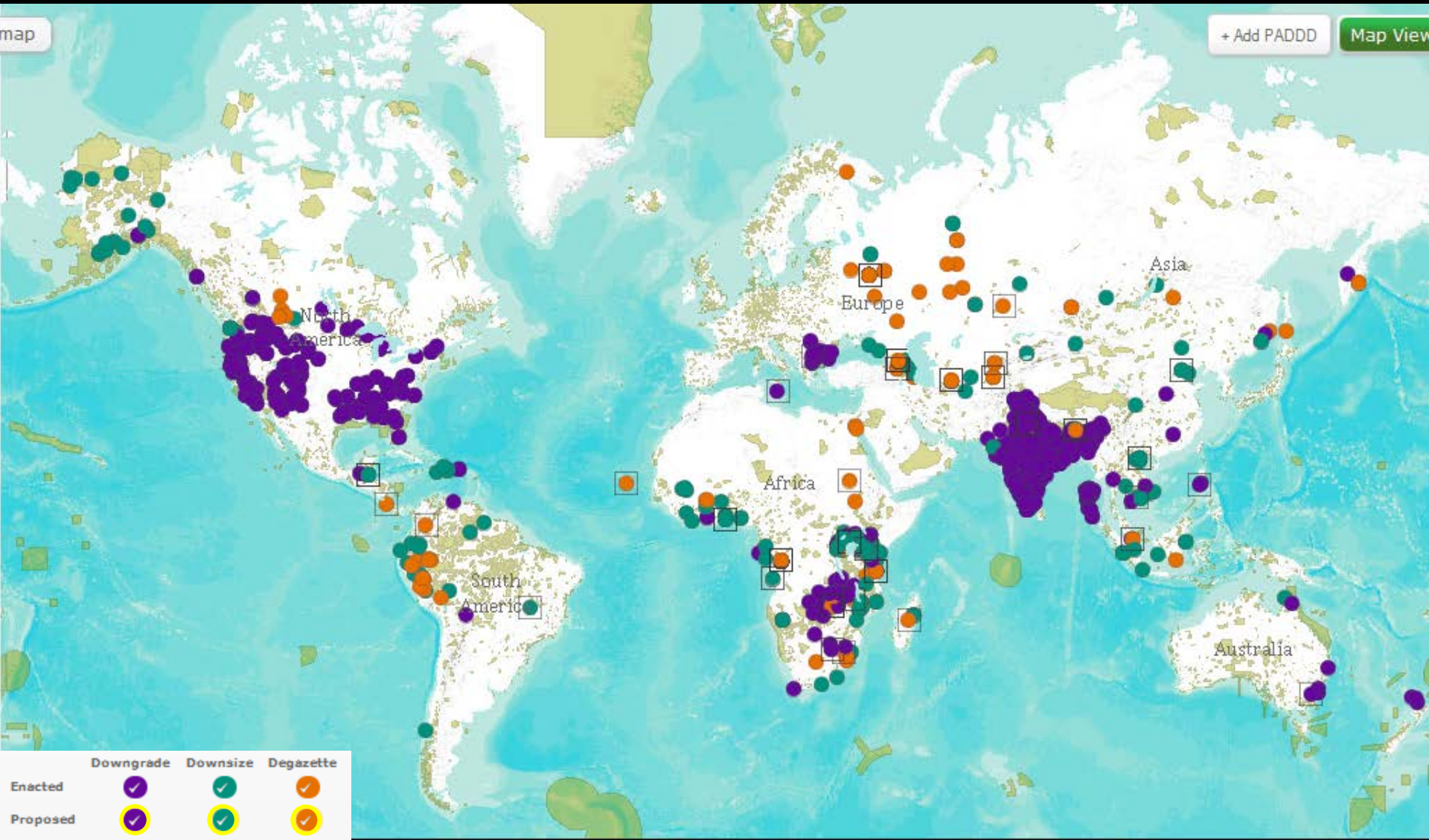
# learn more: PADDTracker.org



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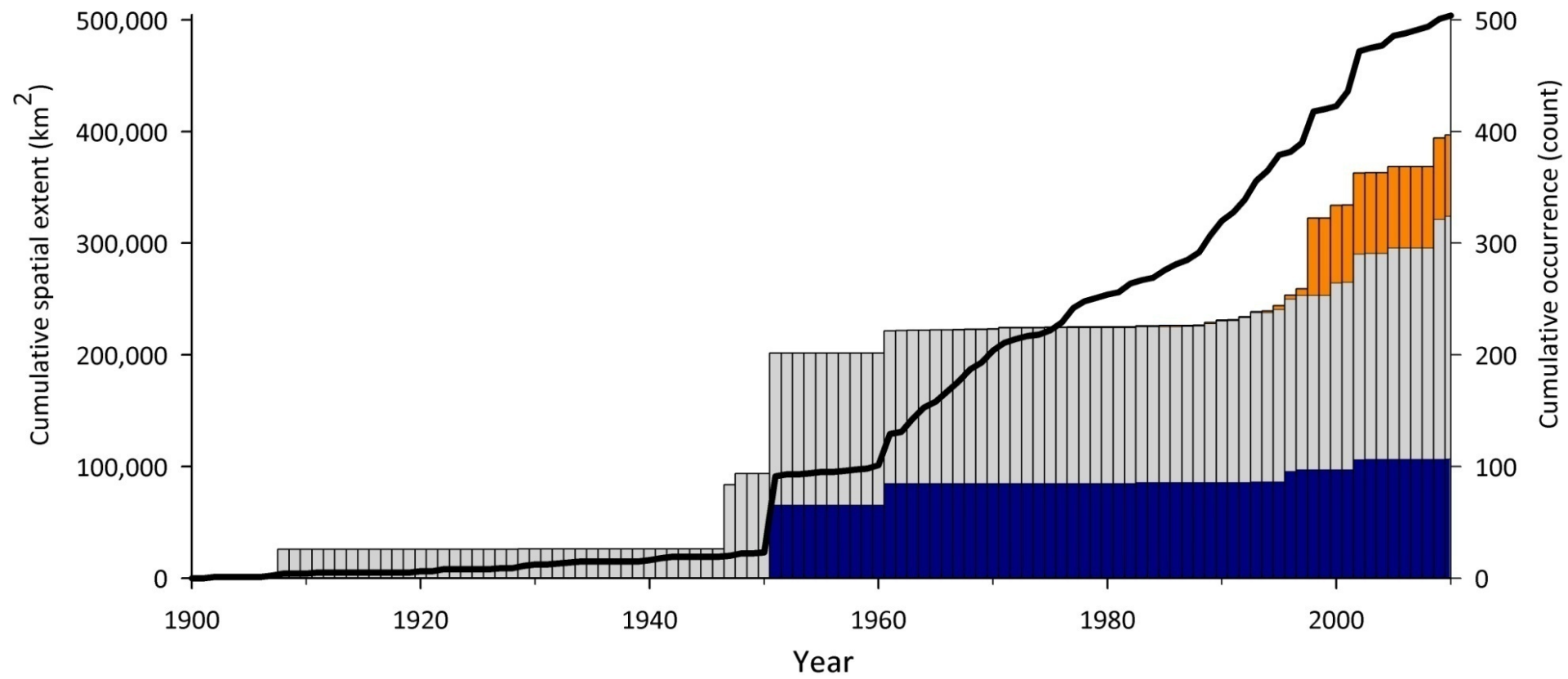


# Enacted PADD



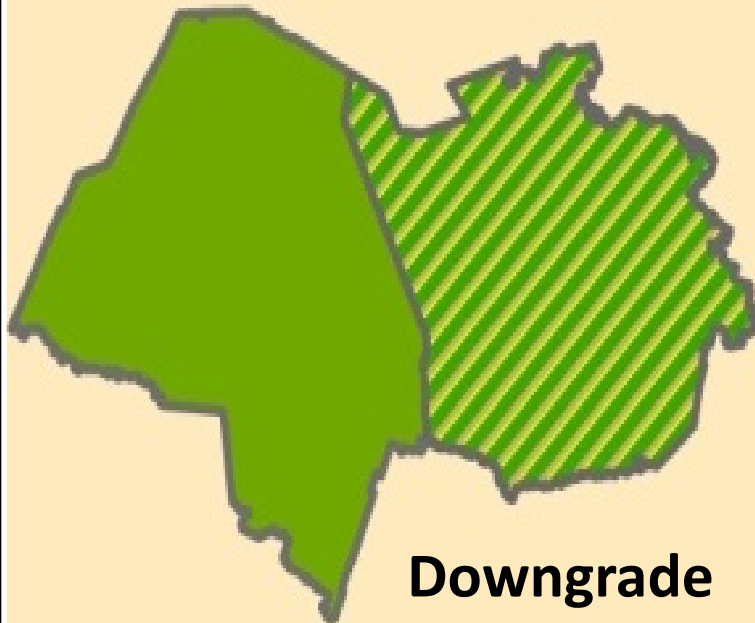








**Downsize**



**Downgrade**



**Degazette**

