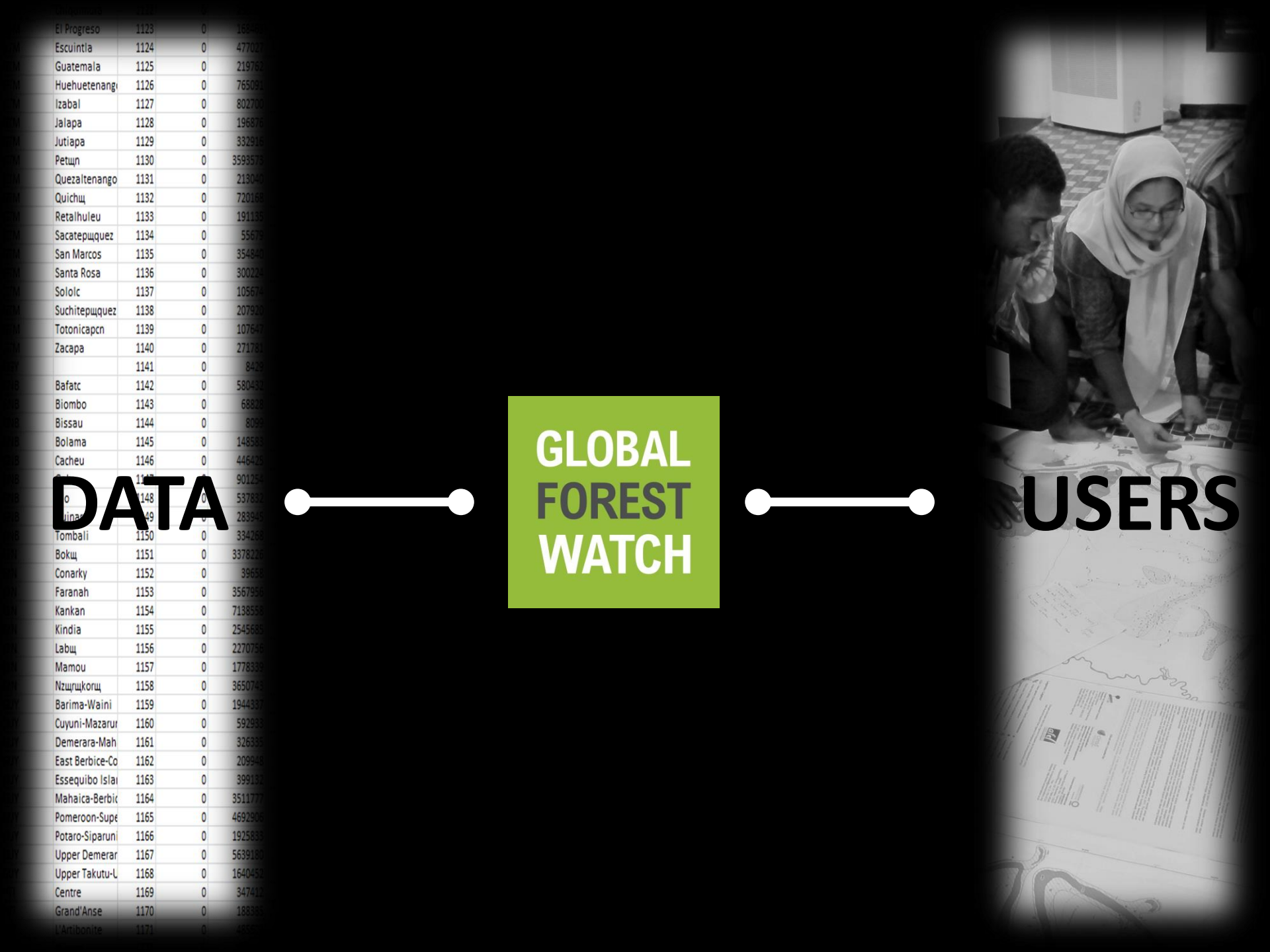
WORLD RESOURCES INSTITUTE

GLOBAL FOREST WATCH

GLAD ALERTS AND RISK ASSESSMENT: GLOBAL FOREST WATCH TOOLS FOR TIMBER MONITORING

Mikaela Weisse, World Resources Institute

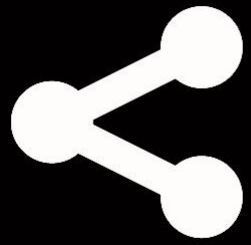
TREE meeting – April 8, 2016


El Progreso 1123 0
Escuintla 1124 0
Guatemala 1125 0
Huehuetenang 1126 0
Izabal 1127 0
Jalapa 1128 0
Jutiapa 1129 0
Petщn 1130 0
Quezaltenango 1131 0
Quichщ 1132 0
Retalhuleu 1133 0
Sacatepщquez 1134 0
San Marcos 1135 0
Santa Rosa 1136 0
Sololc 1137 0
Suchitepщquez 1138 0
Totonicapcn 1139 0
Zacapa 1140 0
1141 0
Bafatc 1142 0
Biombo 1143 0
Bissau 1144 0
Bolama 1145 0
Cacheu 1146 0
Tombali 1150 0
Bokщ 1151 0
Conarky 1152 0
Faranah 1153 0
Kankan 1154 0
Kindia 1155 0
Labщ 1156 0
Mamou 1157 0
Nzщrщkorщ 1158 0
Barima-Waini 1159 0
Cuyuni-Mazarur 1160 0
Demerara-Mah 1161 0
East Berbice-Co 1162 0
Essequibo Islar 1163 0
Mahaica-Berbic 1164 0
Pomeroon-Supe 1165 0
Potaro-Siparuni 1166 0
Upper Demerar 1167 0
Upper Takutu-U 1168 0
Centre 1169 0
Grand'Anse 1170 0
DATA
GLOBAL FOREST WATCH
USERS

GATHER

ANALYZE

SHARE



70+ Partners and Collaborators...

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Ministry of Environment, Nature Conservation and Tourism (DRC)
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RESOLVE
Roundtable on Sustainable Palm Oil
SarVision
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Wildlife Conservation Society
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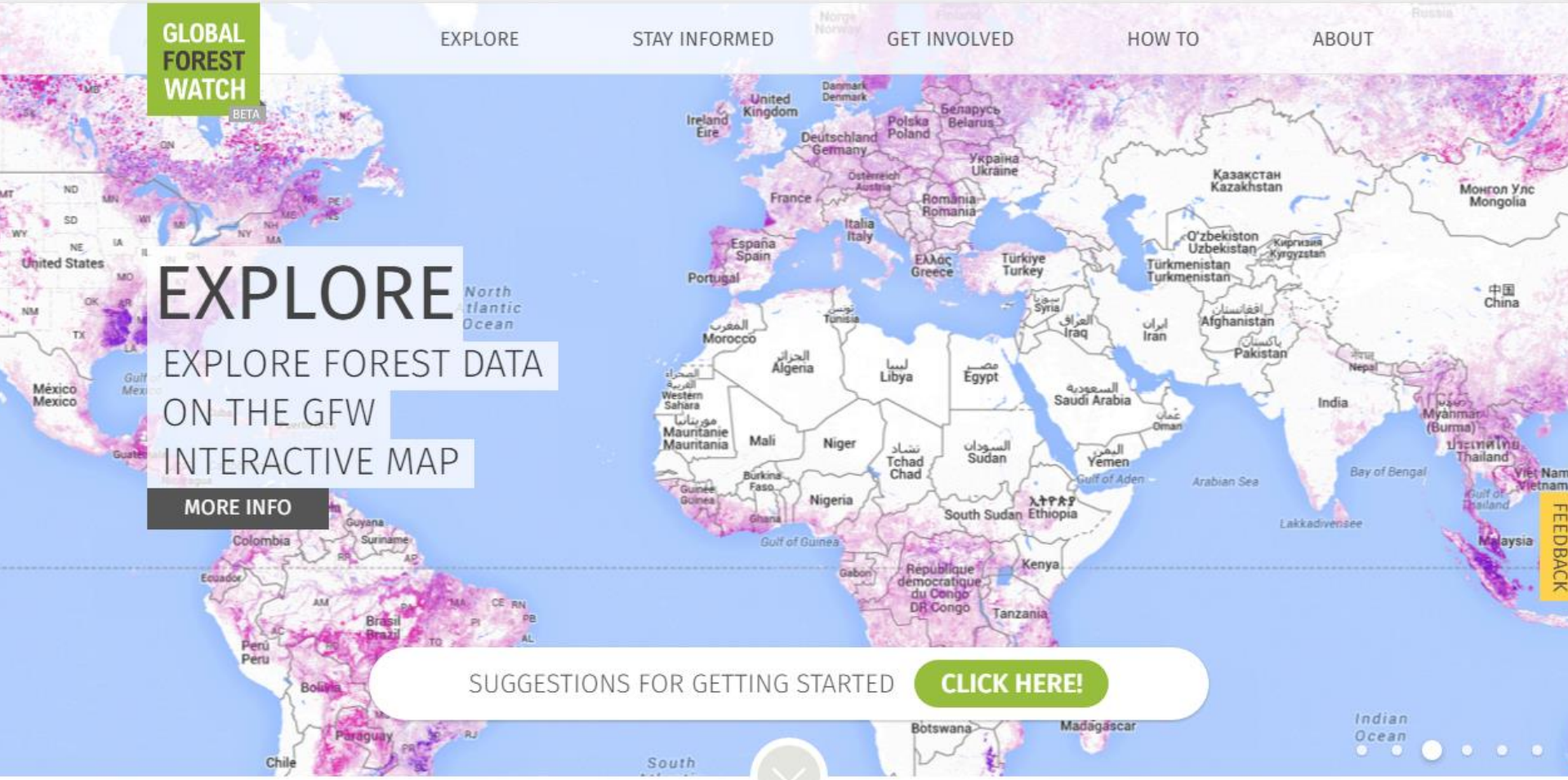


EXPLORE

EXPLORE FOREST DATA ON THE GFW INTERACTIVE MAP

MORE INFO

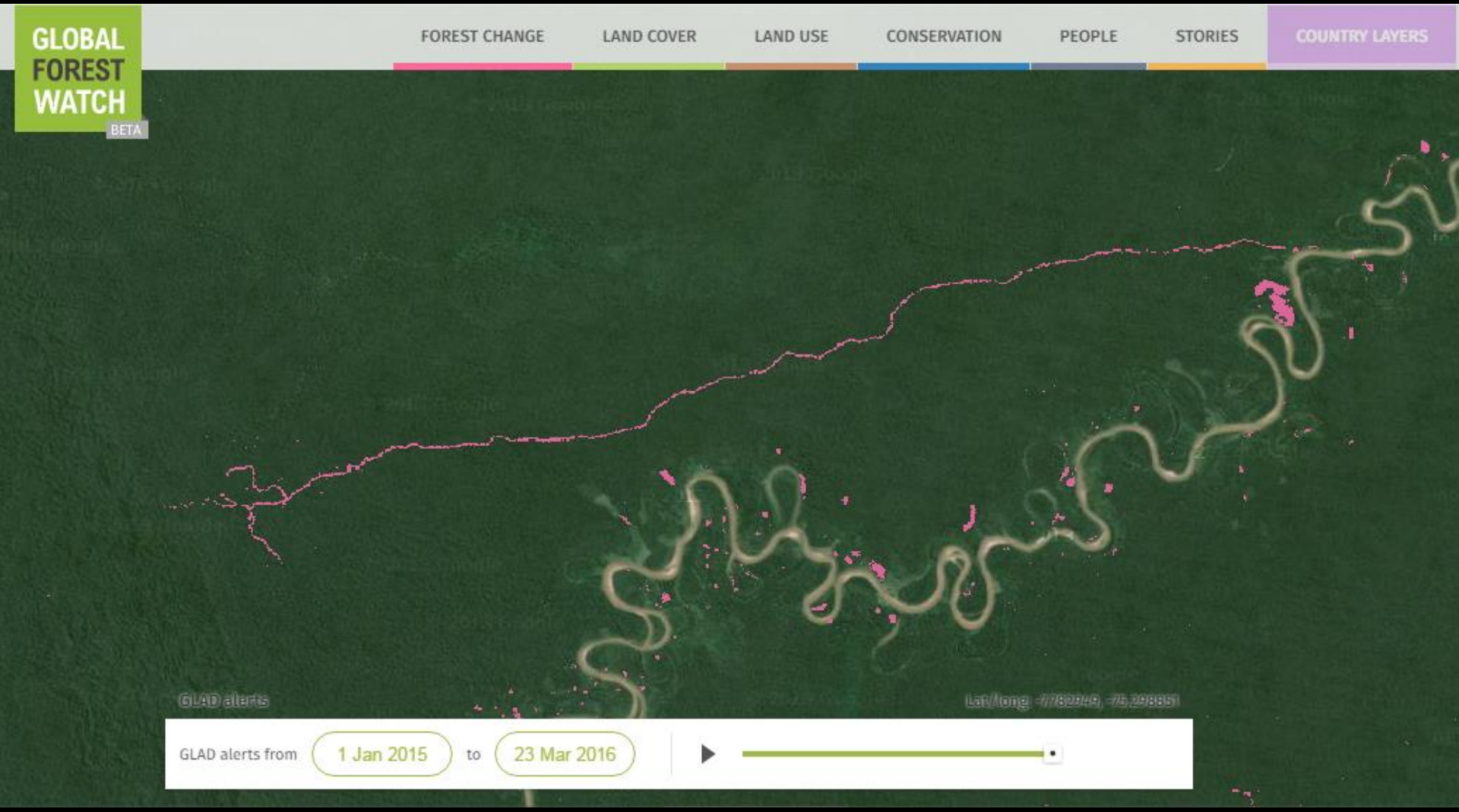
SUGGESTIONS FOR GETTING STARTED CLICK HERE!

FEEDBACK

GFW INTERACTIVE MAP

COUNTRY PROFILES & RANKINGS

GLAD alerts



http://bit.ly/1RC6BsH

Palm Oil Mill Risk Assessment

Methodology

Index 1: Historic impacts	Index 2: Potential for future impact
Rate of tree cover loss	Tree cover extent
Tree cover loss on primary forest	Proportion of area in primary forest
Tree cover loss on peat	Proportion of area in peat
Tree cover loss on protected areas	Proportion of area in protected areas
Tree cover loss on carbon dense areas	Proportion of area of high carbon density
Fire activity	Rate of fire activity in previous three years
	Rate of tree cover loss in previous three years

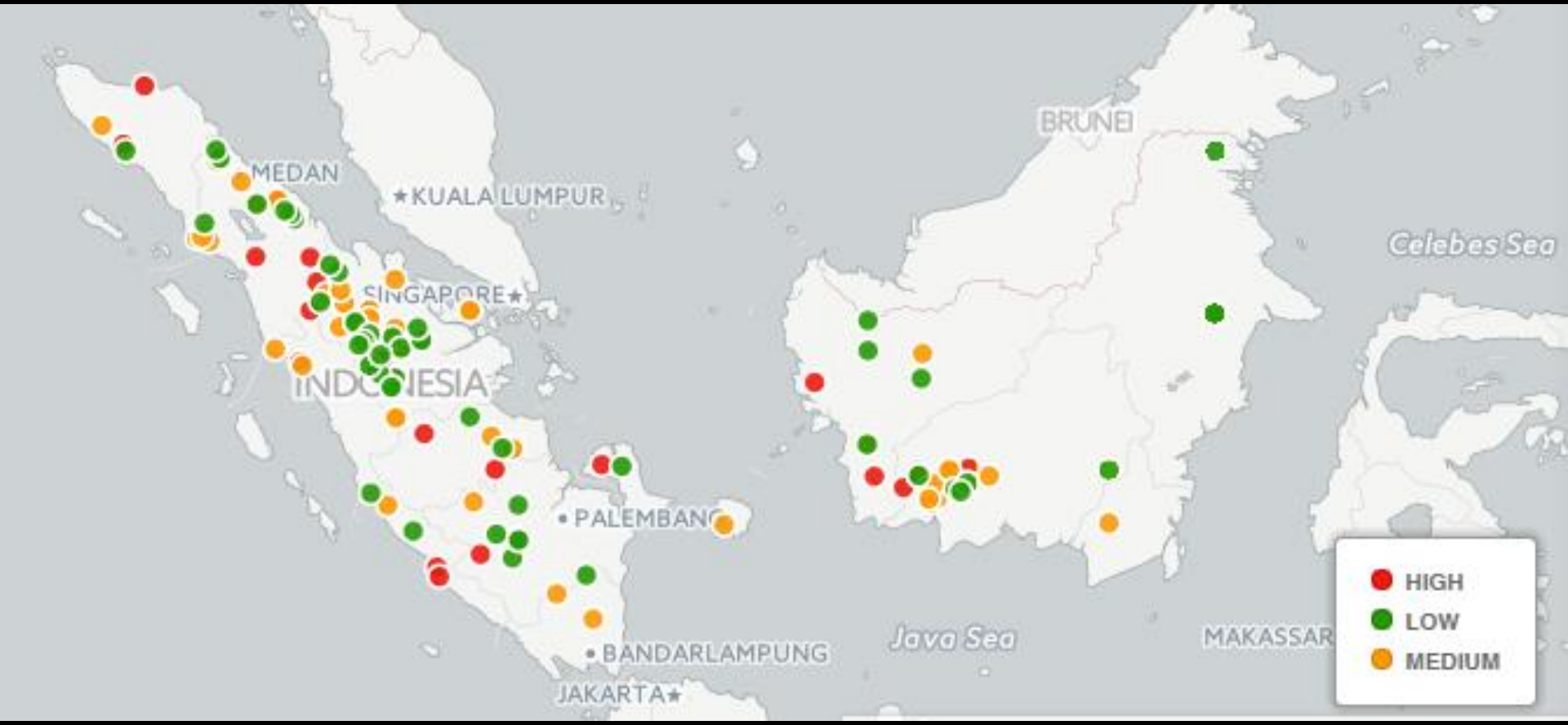
Sample Results

Palm Oil Mill Risk Assessment

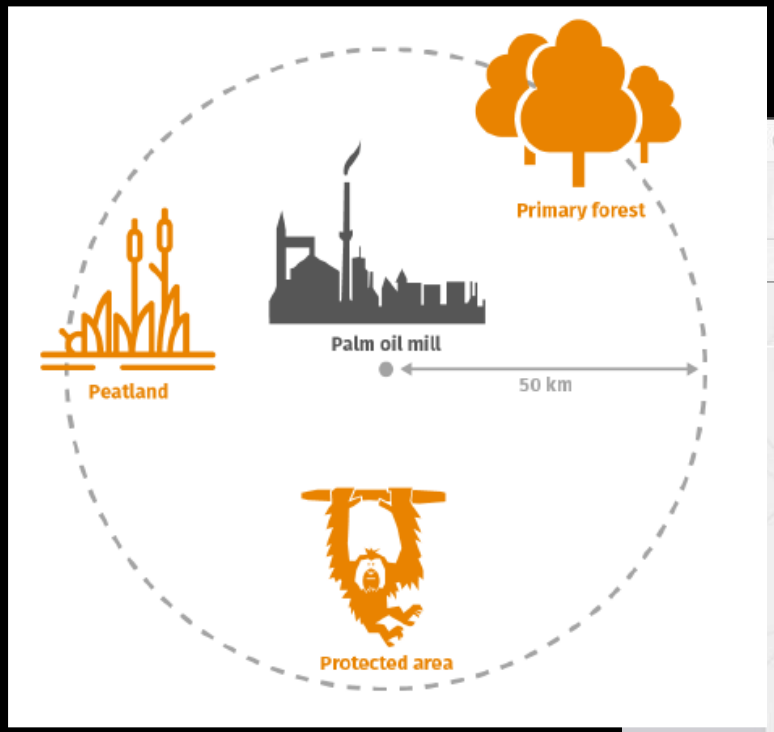
	Overall Priority Level	Historic Behavior	Future Potential Loss
Keningau Palm Oil Mill	low	medium high	medium high
Kerdau Palm Oil Mill	low	medium high	medium high
Kilang Isi Sawit (Felda)	high	medium high	medium
Kilang Kelapa Sawit Alaf	high	medium high	medium high
Kechau	low	medium	medium high

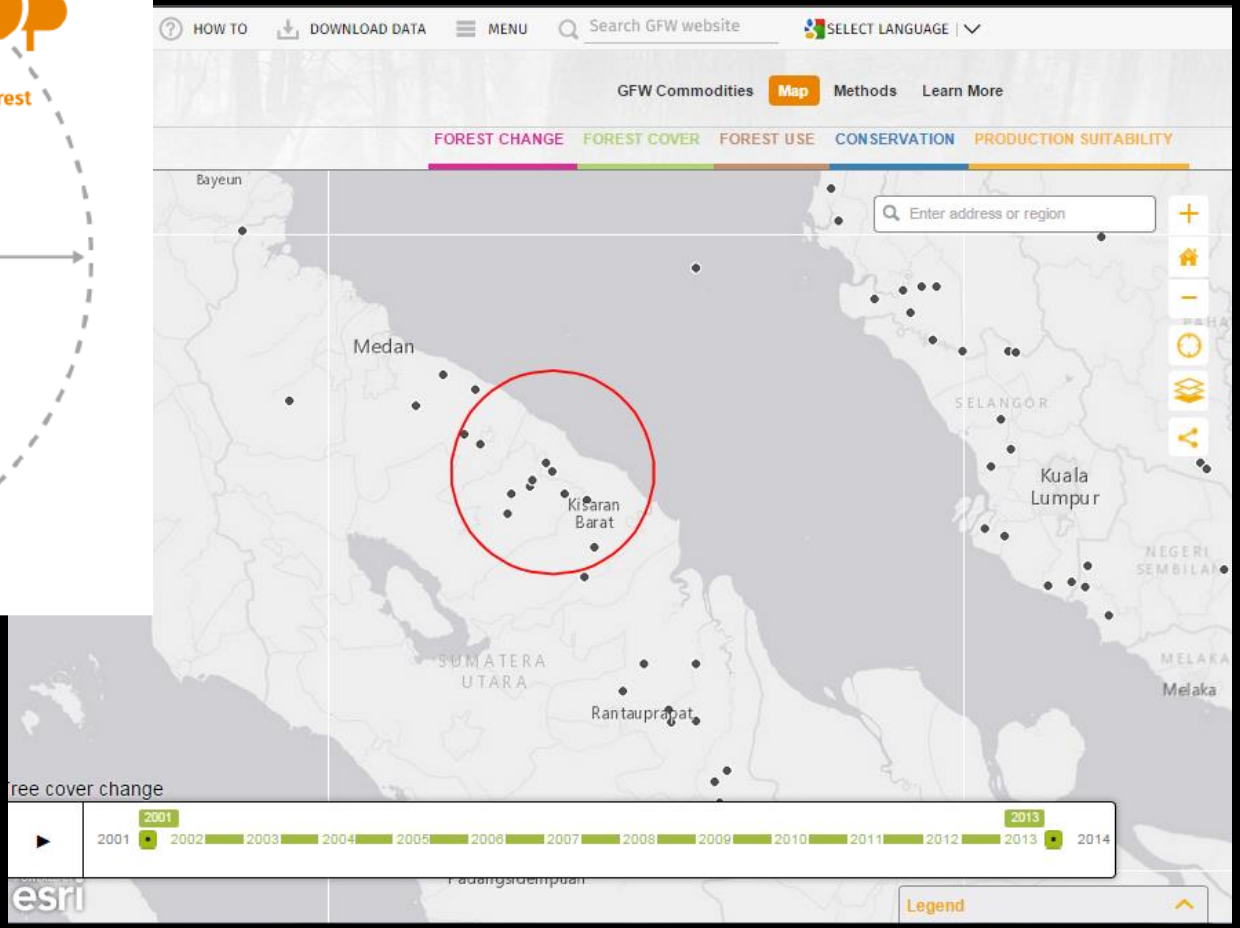
5 ranking levels: Low; Medium Low; Medium; Medium High; High

Spatial Distribution of Risk



Applicability to Timber





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GLOBAL FOREST WATCH

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GLOBAL FOREST WATCH FIRES

GLOBAL FOREST WATCH CLIMATE

www.globalforestwatch.org
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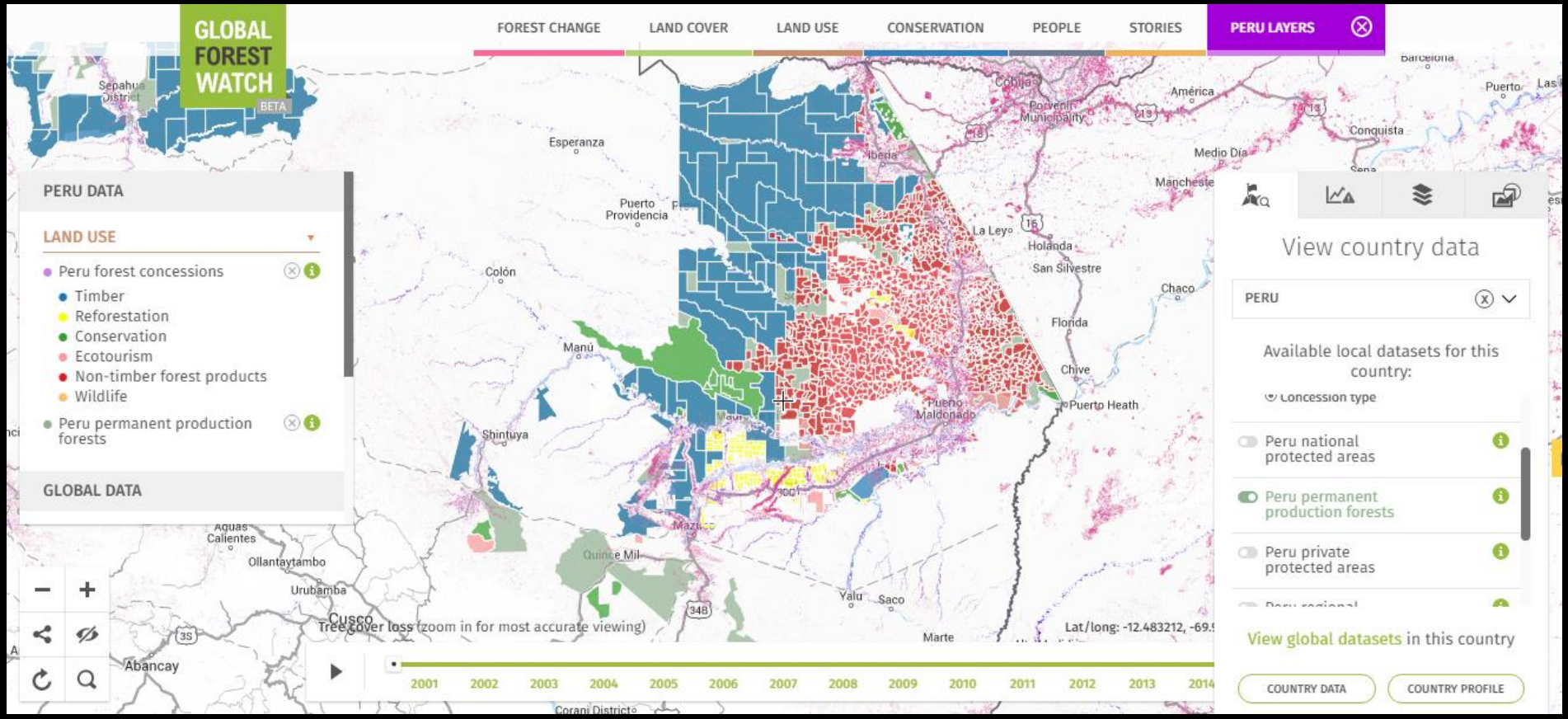
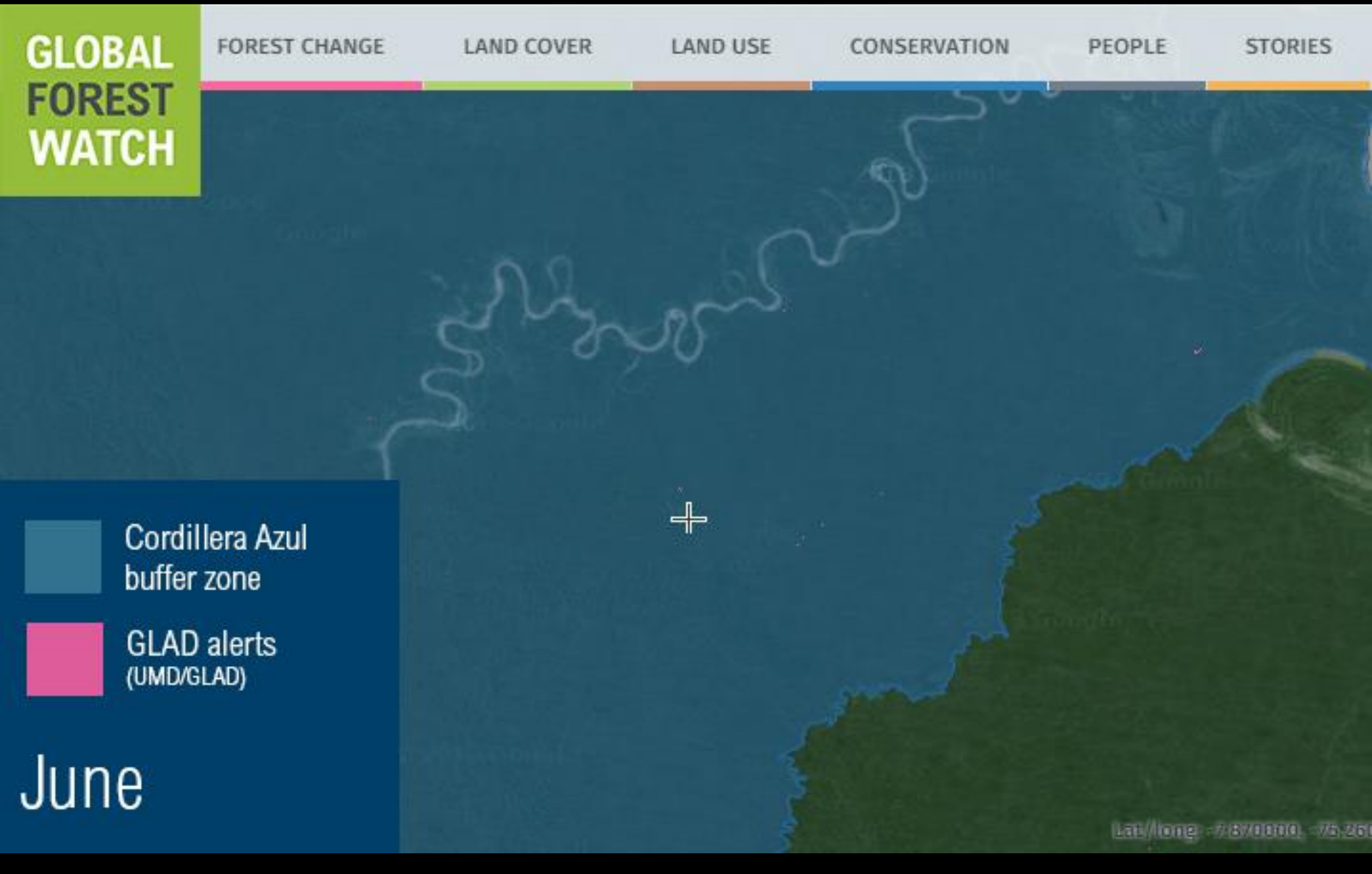
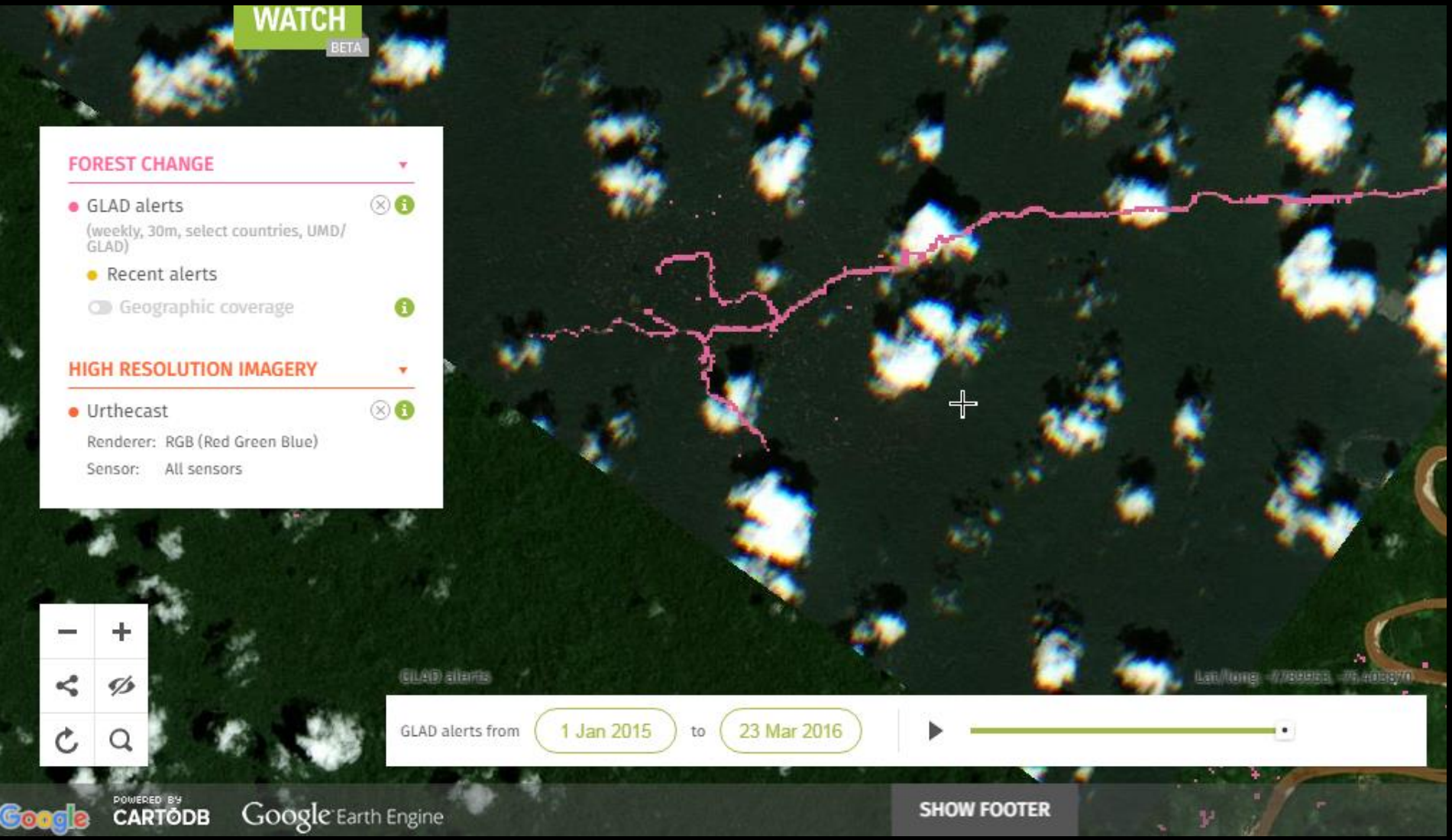

GLOBAL FOREST WATCH
BETA
FOREST CHANGE
LAND COVER
LAND USE
CONSERVATION
PEOPLE
STORIES
PERU LAYERS
PERU DATA
LAND USE
Peru forest concessions
Timber
Reforestation
Conservation
Ecotourism
Non-timber forest products
Wildlife
Peru permanent production forests
GLOBAL DATA
View country data
PERU
Available local datasets for this country:
Concession type
Peru national protected areas
Peru permanent production forests
Peru private protected areas
View global datasets in this country
COUNTRY DATA
COUNTRY PROFILE
Tree cover loss (zoom in for most accurate viewing)
Lat/long: -12.483212, -69.9
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
Esperanza
Puerto Providencia
Colón
Manú
Shintuya
Iberia
La Ley
Holanda
San Silvestre
Florida
Chive
Puerto Heath
Puerto Maldonado
Chaco
Medio Día
Conquista
Aguas Calientes
Ollantaytambo
Urubamba
Cusco
Abancay
Quince Mil
Yalu
Saco
Marte
Corani District

GLOBAL FOREST WATCH
BETA
FOREST CHANGE
LAND COVER
LAND USE
CONSERVATION
PEOPLE
STORIES
FOREST CHANGE
GLAD alerts
(weekly, 30m, select countries, UMD/ GLAD)
Recent alerts
Geographic coverage
GLAD alerts
Lat/long: -7.879744, -75.265683
GLAD alerts from
1 Jan 2015
to
23 Mar 2016

GLAD Alerts Detect Illegal Roads in Peru National park




WATCH
BETA
FOREST CHANGE
GLAD alerts
(weekly, 30m, select countries, UMD/ GLAD)
Recent alerts
Geographic coverage
HIGH RESOLUTION IMAGERY
Urthecast
Renderer: RGB (Red Green Blue)
Sensor: All sensors
GLAD alerts from
1 Jan 2015
to
23 Mar 2016
POWERED BY CARTODB
Google Earth Engine
SHOW FOOTER

WATCH
BETA
HIGH RESOLUTION IMAGERY
Urthecast
Renderer: RGB (Red Green Blue)
Sensor: All sensors
POWERED BY
SHOW FOOTER

GLOBAL FOREST WATCH
BETA
FOREST CHANGE
LAND COVER
LAND USE
CONSERVATION
PEOPLE
STORIES
PERU LAYERS
FOREST CHANGE
GLAD alerts
(weekly, 30m, select countries, UMD/ GLAD)
Recent alerts
Geographic coverage
DRAW OR UPLOAD SHAPE
COUNTRY OR REGION
OTHER DATA LAYERS
TOTAL SELECTED AREA
6,018 ha
GLAD TREE COVER LOSS ALERTS:
353
SUBSCRIBE
DOWNLOAD AND EXPORT DATA
DISCARD ANALYSIS
GLAD alerts
Lat/long: -7.788763, -75.423440
GLAD alerts from
1 Jan 2015
to
23 Mar 2016
Google
POWERED BY CARTODB
Google Earth Engine
urthecast
SHOW FOOTER
Map data ©2016
1 km
CartoDB attribu
Terms of