











Plenary 9-11 May 2023

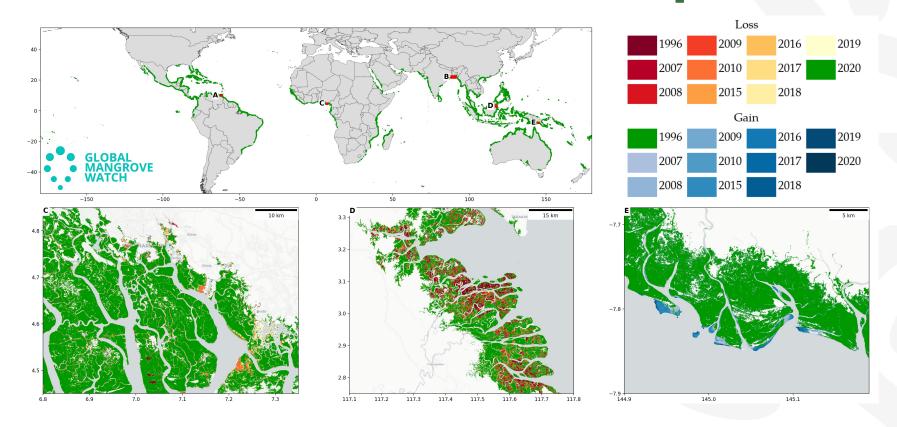
Global Mangrove Watch

GMW Mangrove Loss Alerts

Ake Rosenqvist (JAXA/soloEO) ake.rosenqvist@soloEO.com



GMW Mangrove Alerts - based on GMW baseline maps



GMW Platform: www.globalmangrovewatch.org

GMW baseline maps (proxy Activity Data)

- Global mangrove extent at 25 m.
- Generated from ALOS PALSAR L-band SAR and Landsat optical satellite data.
- Change maps, derived from JERS-1, ALOS and ALOS-2 SAR data are generated annually:
 - GMW v3: Annual Net changes
 - GMW v4: Annual Gains and Losses provided separately (release 2023)
- Est. overall accuracy of 87.4% (95th conf. int.: 86.2–88.6%)
- Public open access:
 - UNEP-WCMC (.shp)
 - JAXA EORC: (GeoTiff)
- Analysis tools and other mangrove datasets on GMW online Platform.

















GMW Mangrove Alerts - monthly loss alerts

- Dedicated Alert System for Mangroves.
- Loss Alerts published online monthly.
- Current coverage: African continent + selected countries in Asia & Pacific, and C & S America
- Global coverage of Mangrove Alerts in 2024
- Est. overall accuracy of 92.1%, with the alert commission 10.4% and omission 20.6%
- Public open access at the GMW Portal (www.globalmangrovewatch.org)

