



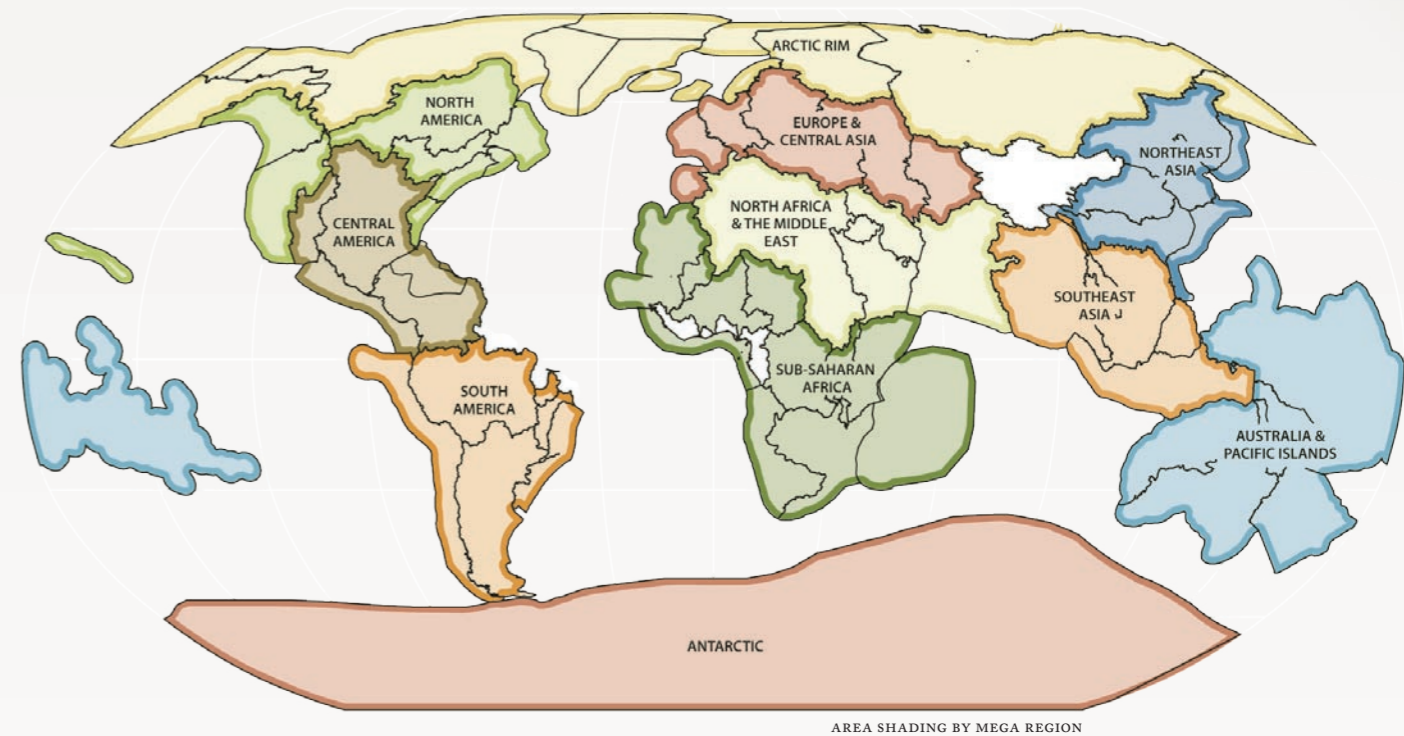
GLOBAL INTERNATIONAL
WATERS ASSESSMENT



Challenges to International Waters

Regional Assessments in a Global Perspective

GIWA MEGA REGIONS



MAP: GIWA REGIONS
AND SUB-SYSTEMS

Arctic Rim

- 1a Russian Arctic*
- 1b Arctic Greenland*
- 1c Arctic European/Atlantic
- 1d Arctic North American
- 11 Barents Sea*
- 12 Norwegian Sea
- 13 Faroe Plateau*
- 14 Iceland Shelf
- 15 East Greenland Shelf*
- 16 West Greenland Shelf*
- 28a Bering Sea (West Bering Sea)*
- 28b Bering Sea (East Bering Sea)*

Europe & Central Asia

- 17 Baltic Sea*
- 18 North Sea
- 19 Celtic-Biscay Shelf
- 20 Iberian Coastal Sea
- 22 Black Sea*
- 23 Caspian Sea*
- 24 Aral Sea*

North America

- 5 Southeast Shelf
- 6 Northeast Shelf
- 7 Scotian Shelf
- 8 Gulf of St Lawrence
- 9 Newfoundland Shelf
- 10 Baffin Bay, Labrador Sea, Canadian Archipelago
- 25 Gulf of Alaska
- 26 California Current
- 37 Hawaiian Archipelago

Central America

- 2a Gulf of Mexico (Mississippi River)*
- 2b Gulf of Mexico (Rio Grande/Rio Bravo)*
- 2c Gulf of Mexico (Usumacinta/Grijalva)*
- 2d Gulf of Mexico (Rio Hondo/Chetumal Bay)*
- 3a Caribbean Sea (Small Islands)*
- 3b Caribbean Sea (Orinoco/Magdalena/Catatumbo)*
- 3c Caribbean Sea (Central America/Mexico)*
- 4 Caribbean Islands*

- 27 Gulf of California*
- 65a Eastern Equatorial Pacific (Southwest Mexico)*
- 65b Eastern Equatorial Pacific (Central Equatorial Pacific)*
- 65c Eastern Equatorial Pacific (Pacific Colombian)*

South America

- 38a Patagonian Shelf (La Plata River Basin)*
- 38b Patagonian Shelf (South Atlantic Drainage System)*
- 39a Brazil Current (South/Southeast Atlantic Basins)*
- 39b Brazil Current (East Atlantic Basins)*
- 39c Brazil Current (São Francisco River Basin)*
- 40a Northeast Brazil Shelf*
- 40b Amazon*
- 64 Humboldt Current*

Sub-Saharan Africa

- 41a Canary Current (North)*
- 41b Canary Current (South)*
- 42a Guinea Current (Comoe Basin)*
- 42b Guinea Current (Volta Basin)*
- 42c Guinea Current (Niger Basin)*
- 42d Guinea Current (Congo Basin)*
- 42e Guinea Current LME*
- 43 Lake Chad*
- 44 Benguela Current*
- 45a Agulhas Current
- 45b Indian Ocean Islands*
- 46a Somali Coastal Current (Juba/Shebelle)*
- 46b Somali Coastal Current (Tana/Athi/Sabaki)*
- 46c Somali Coastal Current (Wami/Ruvu/Pangani)*
- 46d Somali Coastal Current (Rufiji/Ruvuma)*
- 46e Somali Coastal Current (Lake Jipe/Chala)*
- 47a East African Rift Valley Lakes (Lake Turkana)*
- 47b East African Rift Valley Lakes (Lake Victoria)*
- 47c East African Rift Valley Lakes (Lake Tanganyika)*
- 47d East African Rift Valley Lakes (Lake Malawi)*

North Africa & Middle East

- 21 North Africa and Nile River Basin
- 49 Red Sea and Gulf of Aden
- 50 Euphrates and Tigris River Basin
- 51 Jordan*
- 52 Arabian Sea

Northeast Asia

- 30 Sea of Okhotsk*
- 31 Oyashio Current*
- 32 Kuroshio Current
- 33 Sea of Japan*
- 34a Yellow Sea (Yellow Sea)*
- 34b Yellow Sea (Bohai Sea)*
- 36 East China Sea*

Southeast Asia

- 53 Bay of Bengal*
- 54 South China Sea*
- 55 Mekong River*
- 56 Sulu-Celebes Sea*
- 57a Indonesian Seas (Sunda)*
- 57b Indonesian Seas (Wallacea)*
- 57c Indonesian Seas (Sahul)*

Australia & Pacific Islands

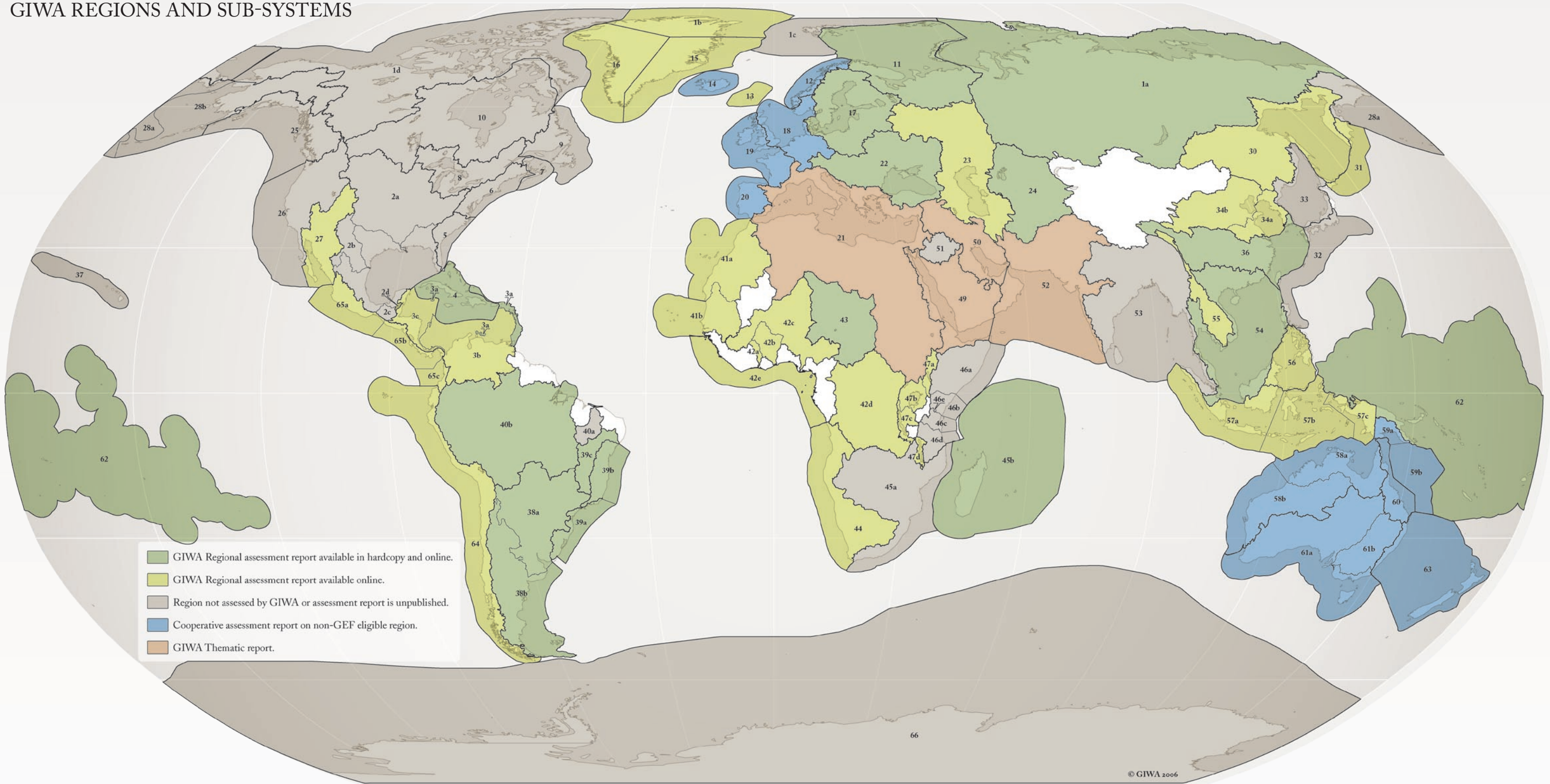
- 58a North Australian Shelf (Wet Tropics)*
- 58b North Australian Shelf (Dry Tropics)*
- 59a Coral Sea Basin (South PNG and Papua)*
- 59b Coral Sea Basin (Coral Sea)*
- 60 Great Barrier Reef*
- 61a Great Australian Bight*
- 61b Great Australian Bight (Murray Darling Basin)*
- 62 Pacific Islands*
- 63 Tasman Sea*

Antarctic

- 66 Antarctic

* Assessed by GIWA.

GIWA REGIONS AND SUB-SYSTEMS



- | | | | | | |
|--|---|---|--|--|---|
| 1a Russian Arctic | 10 Baffin Bay, Labrador Sea, Canadian Archipelago | 27 Gulf of California | 40b Amazon | 47a East African Rift Valley Lakes (Lake Turkana) | 59a Coral Sea Basin (South PNG and Papua) |
| 1b Arctic Greenland | 11 Barents Sea | 28a Bering Sea (West Bering Sea) | 41a Canary Current (North) | 47b East African Rift Valley Lakes (Lake Victoria) | 59b Coral Sea Basin (Coral Sea) |
| 1c Arctic European/Atlantic | 12 Norwegian Sea | 28b Bering Sea (East Bering Sea) | 41b Canary Current (South) | 47c East African Rift Valley Lakes (Lake Tanganyika) | 60 Great Barrier Reef |
| 1d Arctic North American | 13 Faroe Plateau | 30 Sea of Okhotsk | 42a Guinea Current (Comoe Basin) | 47d East African Rift Valley Lakes (Lake Malawi) | 61a Great Australian Bight |
| 2a Gulf of Mexico (Mississippi River) | 14 Iceland Shelf | 31 Oyashio Current | 42b Guinea Current (Volta Basin) | 49 Red Sea and Gulf of Aden | 61b Great Australian Bight (Muray Darling Basin) |
| 2b Gulf of Mexico (Rio Grande/Rio Bravo) | 15 East Greenland Shelf | 32 Kuroshio Current | 42c Guinea Current (Niger Basin) | 50 The Gulf | 62 Pacific Islands |
| 2c Gulf of Mexico (Usumacinta/Grijalva) | 16 West Greenland Shelf | 33 Sea of Japan | 42d Guinea Current (Congo Basin) | 51 Jordan | 63 Tasman Sea |
| 2d Gulf of Mexico (Rio Hondo/Chetumal Bay) | 17 Baltic Sea | 34a Yellow Sea (Yellow Sea) | 42e Guinea Current LME | 52 Arabian Sea | 64 Humboldt Current |
| 3a Caribbean Sea (Small Islands) | 18 North Sea | 34b Yellow Sea (Bohai Sea) | 43 Lake Chad | 53 Bay of Bengal | 65a Eastern Equatorial Pacific (Southwest Mexico) |
| 3b Caribbean Sea (Orinoco/Magdalena/Catatumbo) | 19 Celtic-Biscay Shelf | 36 East China Sea | 44 Benguela Current | 54 South China Sea | 65b Eastern Equatorial Pacific (Central Equatorial Pacific) |
| 3c Caribbean Sea (Central America/Mexico) | 20 Iberian Coastal Sea | 37 Hawaiian Archipelago | 45a Indian Ocean Islands | 55 Mekong River | 65c Eastern Equatorial Pacific (Pacific Colombian) |
| 4 Caribbean Islands | 21 North Africa and Nile River Basin | 38a Patagonian Shelf (La Plata River Basin) | 45b Somali Coastal Current (Juba/Shebelle) | 56 Sulu-Celebes Sea | 66 Antarctic |
| 5 Southeast Shelf | 22 Black Sea | 38b Patagonian Shelf (South Atlantic Drainage System) | 46a Somali Coastal Current (Tana/Athi/Sabaki) | 57a Indonesian Seas (Sunda) | |
| 6 Northeast Shelf | 23 Caspian Sea | 39a Brazil Current (South/Southeast Atlantic Basins) | 46b Somali Coastal Current (Wami/Athi/Sabaki) | 57b Indonesian Seas (Wallacea) | |
| 7 Scotian Shelf | 24 Aral Sea | 39b Brazil Current (East Atlantic Basins) | 46c Somali Coastal Current (Wami/Ruvu/Pangani) | 57c Indonesian Seas (Sahul) | |
| 8 Gulf of St Lawrence | 25 Gulf of Alaska | 39c Brazil Current (São Francisco River Basin) | 46d Somali Coastal Current (Rufiji/Ruvuma) | 58a North Australian Shelf (Wet Tropics) | |
| 9 Newfoundland Shelf | 26 California Current | 40a Northeast Brazil Shelf | 46e Somali Coastal Current (Lake Jipe/Chala) | 58b North Australian Shelf (Dry Tropics) | |