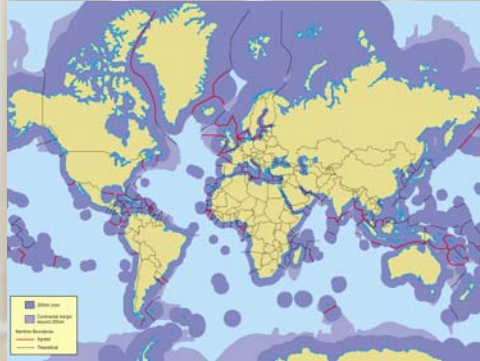


*Introduction:
Boundaries and Geopolitical Map of the World*



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Thursday, 14 September 2006



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Lecture outline

- Principles and definition of territory and boundaries
- Importance of boundaries
- Historical perspective
- Multidisciplinary approach in boundary determination – the roles of technical, legal and political experts
- General condition of the world's geopolitics
- The role of geodesy and geomatics in boundary matters



Territory: principles and definition

• **National Context**

- Land territory
- Sea territory
- UUD 45 → Article 18
 - Spirit of colonialism?
 - Unity, archipelagic State, *wawasan nusantara*
- Law no. 32/2004 → local government
 - Province
 - District/city
- Customary territory



Territory: principles and definition

• **International Context**

- Sovereignty
 - *Kedaulatan penuh*
 - National law applicable
- Sovereign rights
 - *Hak berdaulat*
 - Resource utilisation only
- State jurisdiction
- Emergence of new nations
 - East Timor phenomenon



Boundaries: principles and definition

• **National Context**

- Land boundaries
 - Coordinate
 - Monuments (pillars)
- Maritime boundaries
 - Coordinate
 - Imaginer lines
- Inter-provincial boundaries
 - Land boundaries and maritime boundaries
- Inter-district boundaries
 - Land boundaries and maritime boundaries



Boundaries: principles and definition

• **International Context**

- Land boundaries
 - Treaty based
 - Customary occupation
 - Settling land boundaries
 - Monuments (pillars)
- Maritime boundaries
 - International law of the sea
 - UNCLOS
 - Settling maritime boundaries
 - Coordinates (imaginer lines)



The importance of boundaries

• National Context

– Land boundaries

- Administration
- Spatial context
- Autonomous era

– Maritime boundaries

- Security
- Ocean resource exploration/exploitation
- Worth noting that delimiting maritime boundaries does not mean regulating sea ownership, but arranging regional authority over sea territory.



The importance of boundaries

• International Context

– Security

– Resource exploration

- [remember Ambalat?]

– Marine scientific research

- [It is worth noting that we might know a lot better Martian surface than deep ocean floor ☺]

– Ocean management

- [see www.pesisir.go.id for Indonesian Coastal Resource Management Program]

– Rights balanced by responsibilities



Boundaries: a historical perspective

- Ancient adventures
 - Columbus (remember his egg?)
- Discovery of new places
- Colonialism
 - Gold
 - Gospel
 - Glory
- Territorial division
- The need of boundaries
 - Example1: The Netherlands and Portugal
 - Example2: The Netherlands and Great Britain



<http://umich.edu/news/Releases/2005/Sep05/img/columbus.jpg>

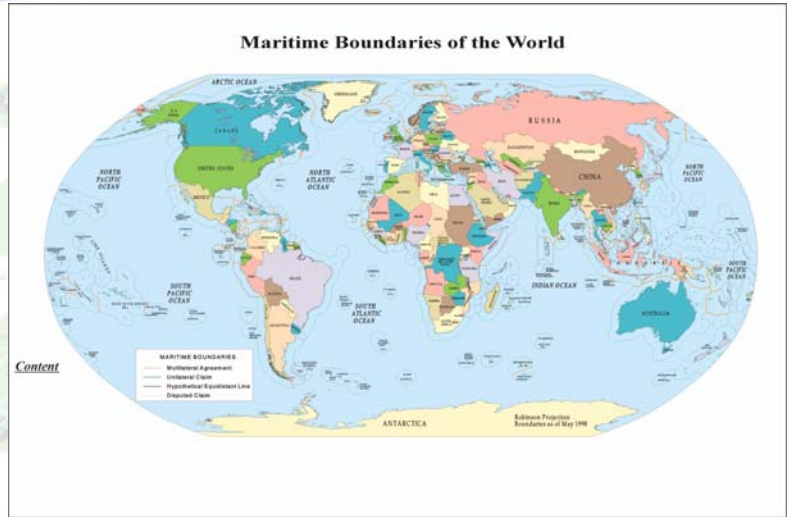


Boundary determination : a multidisciplinary approach

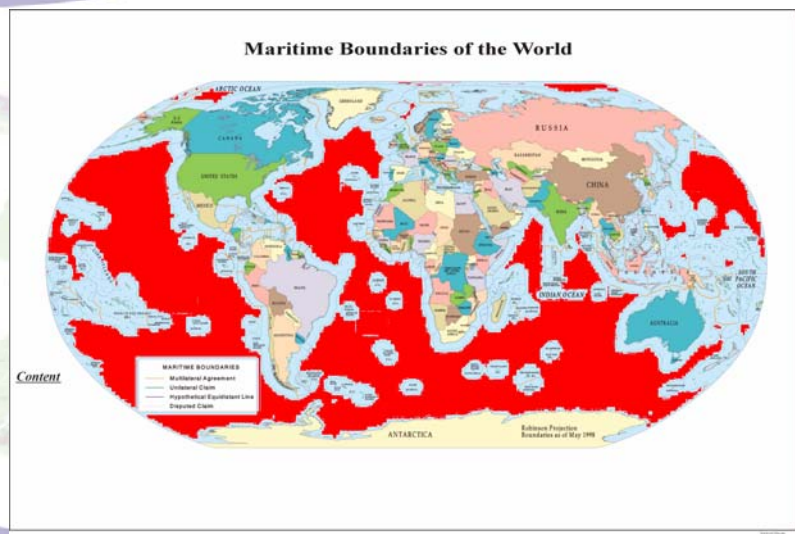
- Roles of legal experts
 - Legal reference - interpretation
 - Historical consideration
 - Customary aspects
- Roles of technical experts
 - Technical expertise
 - Implementation of methods
 - Technical specification
- Roles of politicians and political aspects
 - Relationship between parties
 - Political implication of boundary determination
 - Negotiations



World's maritime boundaries



World's maritime boundaries



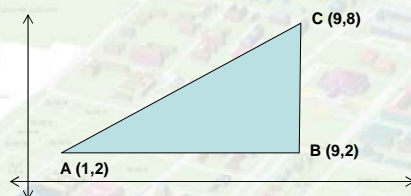
Geodesy/Geomatics and boundary matters

- Geodesy: shape, dimension and gravity of the Earth
- Geomatics: GNSS, GIS, RS
- What do they do to Boundaries?



Geodesy/Geomatics and boundary matters

- Coordinate of points
– A(1,2); B(9,2); C(9,8)
- Cartesian system



The role of geodesy/ geomatics:

The definition of accurate position [coordinates] of boundary lines!

- Shape = triangle
- Dimension (area) = 24 unit area

Bibliography

- Undang-undang Nomor 32/2004 tentang Pemerintahan Daerah
- Depdagri RI. (2006) *Peraturan Menteri Dalam Negeri No. 1 tahun 2006 tentang Pedoman Penegasan Batas Wilayah*, Dirjen Pemerintahan Umum, Jakarta
- Churchill, R. and Lowe, A. (1999). *The Law of the Sea*, Manchester University Press



What to do next?

- Read Permendagri No. 1/2006
- Next week materials
 - Legal reference and historical arguments
 - Treaties and agreements
 - Boundary management
 - Delimitation, delineation and demarcation process
 - General structure of boundary agreement
 - International boundaries
 - Legal reference
 - Delimitation
 - Demarcation
 - National boundary
 - Legal reference
 - Autonomous era
 - Local government and administration (UU No. 32/2004)
 - Technical aspects and specification
- Identify land boundaries between districts/cities in Indonesia

