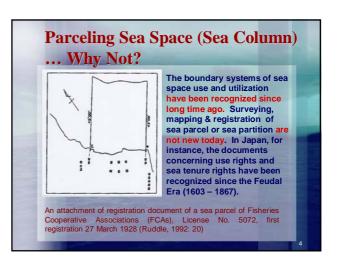
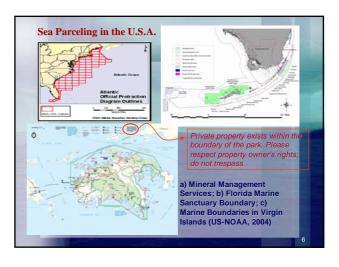
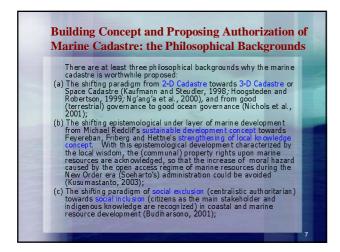


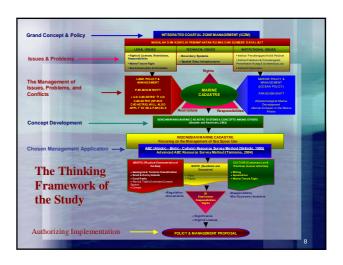
# Mare Liberum vs. Mare Clausum vs. The Heritage of Humankind There has been a long debate between the schools of "mare liberum" and "mare clausum", that is the opinions that: "the sea is a common property, and therefore the ocean space as a common, available to all but owned by none" → led to the tragedy of the commons, the common property dilemmas and that of "the sea is a closed sea, an exclusive property" → hegemony (of certain countries) upon world's seas and oceans Meanwhile ... it arises a doctrine of: "the sea is the heritage of humankind, every nation has the same right, it shall be managed carefully, it shall be sustain ably developed" With UNCLOS 1982 → the territorial sea & EEZ of a state Then ... "the sea is simply as the land, in certain limitations there have been inherently attached some (people's, society's, state's) rights and responsibilities". In respects to the last doctrine, there have been developed some concepts of marine cadastre during a recent decade.







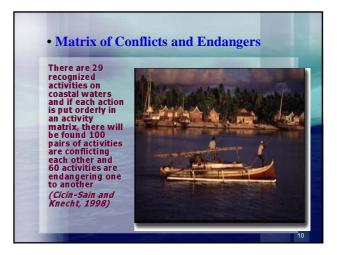


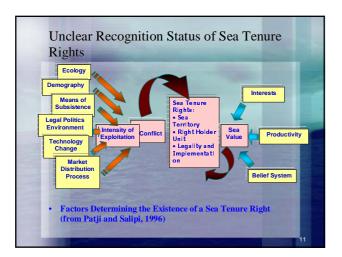


Marine Issues and Conflicts
(Legal, Environmental, and Economic Reasons Why a
Marine Cadastre is Worthwhile Implemented)

a. Conflict Grounds

• Root of the Problems:
(1) the increasing demands of natural resources and environmental-coastal services caused by the increasing number of population and its living quality;
(2) the non-sustainable management practices;
(3) the human behavior (ignorance, poor knowledge, poverty, and greedy); and
(4) the three kind of failures: market and property right, policy, and information failures.
(Clark, 1992: Cicin-Sain and Knecht, 1998; and Kay and Alder, 1999),

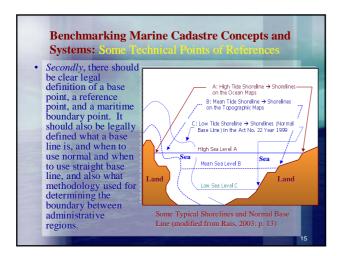


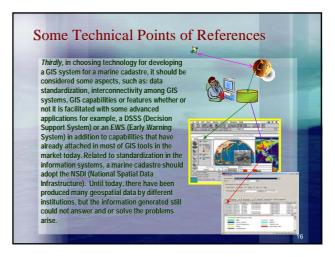


### Benchmarking Marine Cadastre Concepts and Systems: A Parameter of Para

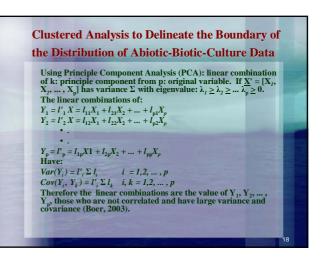
# Benchmarking Marine Cadastre Concepts and Systems: Including A Vario Cadastre As a part of legal system (legal cadastre), the marine cadastre is also meant to serve the guarantee of legal certainty in sea-space development planning, sea-parcel rights and leases, and public access to and from the seas. There are at least three activities directly and indirectly related to a marine cadastre, those are: Upland activities: Contribute about 70% of pollution in the coastal and marine areas from nutrient run-off (soil erosion), household wastes to industrial disposals. Nevertheless these are not the domain of a marine cadastre into one complex and frail region called coastal areas, where the seas, the beaches, and small islands are the domain of a marine cadastre; Ocean activities within the territorial seas: Give more complicated management where many government authorities and private companies perform their actions, together with the traditional and modern fishermen. These will need careful and sound integrated arrangements, among other thing, by the help of a marine cadastre.

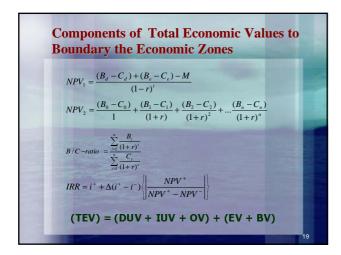
# Benchmarking Marine Cadastre Concepts and Systems: Some Learner Points of references pursued in building spatial data infrastructures of a marine cadastre system. • Firstly, since spatial information is defined as information represents a position in the surface of the earth in forms of coordinates of geographical objects, then it should have agreed on a certain national standard coordinate system as well as its map projection and geodetic datum chosen. In order to make all maps in Indonesia compatible, Rais (2003, p: 27-28) suggests that we better use geocentric coordinate system with Indonesian National Geodetic Datum DGNI 1995 and ellipsoid reference of WGS 1985 (a = 6,378,137 m and f = 1/295.34).











### **Concluding Remarks**

- The atmosphere of the shifting paradigm in Indonesian politics scheme has changed many living styles and behaviors of the citizens. The demands for visible good governance escalate and look more and more transparent. The same thing goes to the demand for good ocean governance, this is not only because of the largest part of Indonesian territories consist of seas, the shifting paradigm in the coastal and marine resource issues, but also because of inherent interest and use conflicts upon them;
- The need for development of a sound marine cadastre system, and also the need for authorizing implementation of it, might be unquestionable; nevertheless, it will surely need legal supports for its implementation and law enforcement.

