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Toward Restoration of Ariake Sea by means of an integrated Studies"CoHHO" Collaborating with the Social Movement "The Sea is Longing for the Forest"

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Learning from the 2011 Earthquake/Tsunami



Necessity to remember reverence to Nature Recognition of limit of Material Civilization Nature can't be controlled by our technology The earthquake and tsunami gave us wetland between forest and sea to reappear clam and eel



Environmental education for children by an oyster fisherman Mr. S. Hatakeyama under "The Sea is Longing for the Forest"



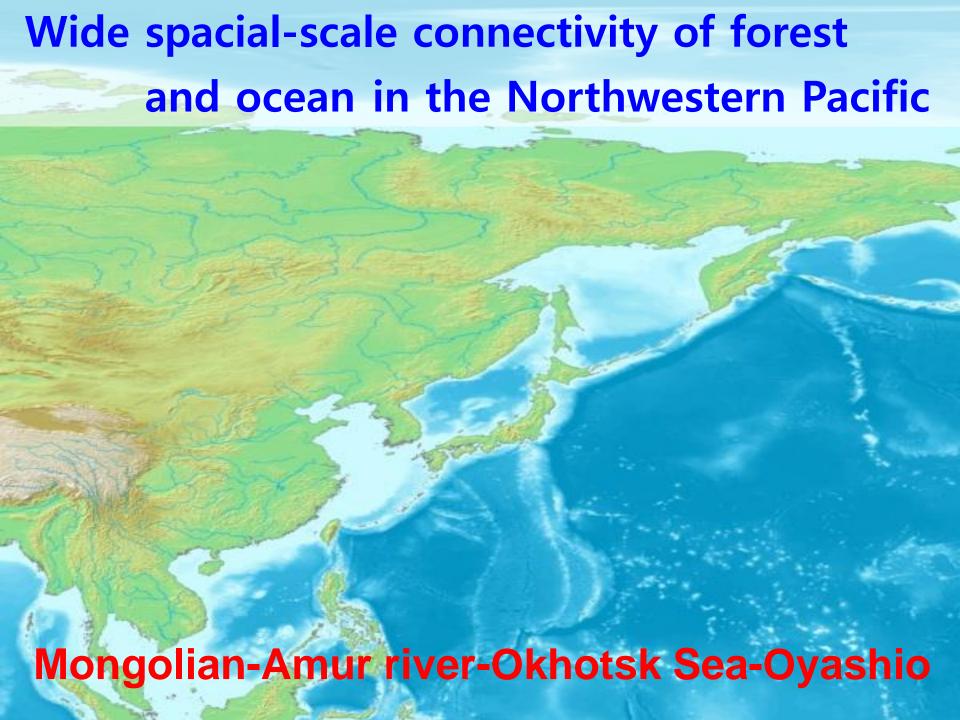
Tree planting festival catch-phrased by "The Sea is Longing for the Forest" under collaboration of fishermen and forest people since 1989



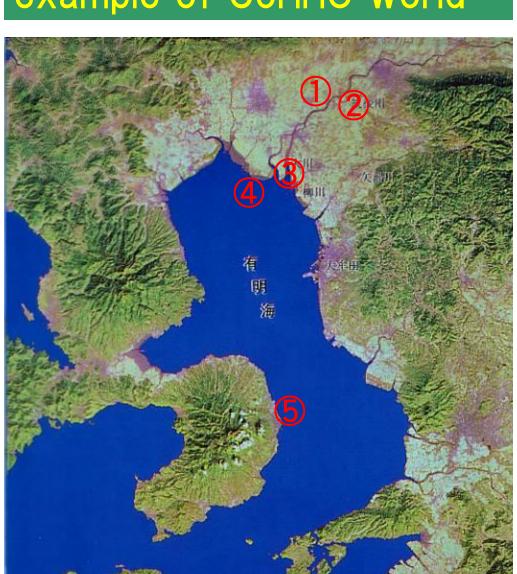
CoHHO Studies for Connectivity of

Hills, Humans and Oceans established in 2003



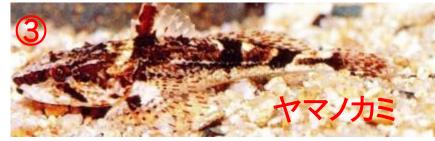


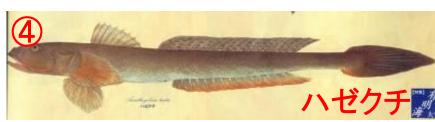
Ariake Sea is typical example of CoHHO world













Highest productivity Highest biodiversity









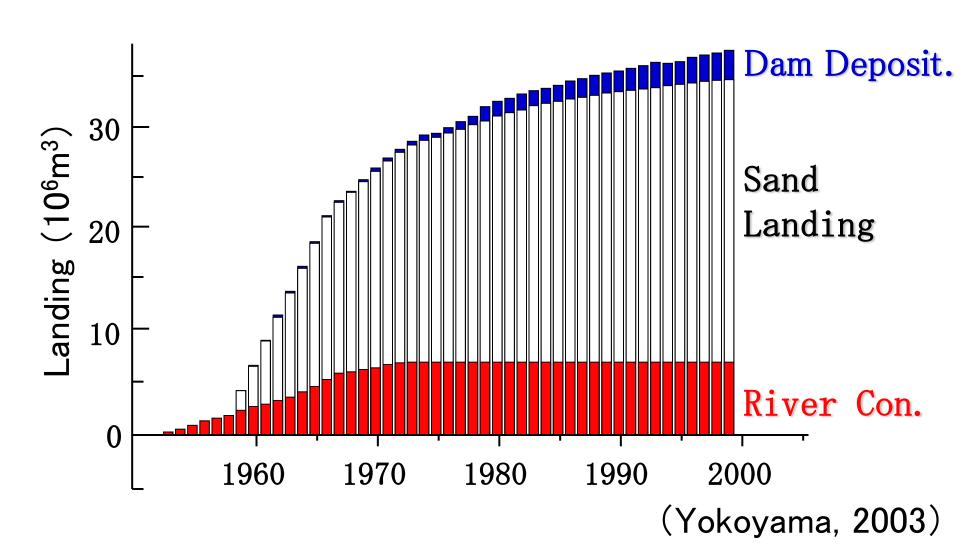




Chikugo river is a heart of Ariake Sea to produce nutrient-rich detritus



Accumulated Amount of sand landed from the Chikugo River in later half of 20th century



Chikugo Ozeki constructed in 1985 to transport water for Fukuoka urban erea



7km dyke construction and tidal flat reclamation in the innermost part of Isahaya bay in 1997



Expanded nori-culture field in the innermost part of Ariake Sea during winter time



What is the most serious?

- Landed huge volume of sand from Chikugo R.
- Chikugo Ozeki construction for urban citizens
- Dyke construction and tidal flat reclamation

What is the essential common to those three?

Destruction of connectivities between Forest (land) and Sea by human being

What we should do for restoration of Ariake Sea?

Answer is clear

NPO activity for key species Manila clam



Human connectivity must be the most important key for restroration of nature



Children had learned so lot from the nature disappeared children playing in nature from Japan



How to revive children playing in nature : endangered species Japanese eel



Relese and recapture experiments under collaboration of students and children



50-years are needed for natur restroration

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1989 The social movement [The Sea is longing for the forest] started by oyster-culture fishermen
2003 Integraed Studies[CoHHO] was ploposed
2014 [Connecing and supporting Forest-Sato-River-Sea] project
propoed by the Ministry of Environment
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What we could do during the coming 10 to 20 years

Revived wild oriental stork took 50 years

