



PEMSEA Youth Forum

Short Presentation

Neighbour Environment Problems

- Status Quo and Possible Solutions,

One Example from Tokyo Bay

Renaissance Promotion Conference -

22nd - 26th November 2009

Soichiro MOCHIDOME



Self Introduction

Soichiro MOCHIDOME (持留 宗一郎)

- MPP Candidate, Graduate School of Public Policy, The University of Tokyo, Japan
- Sent by Ocean Alliance, Interdisciplinary Education Programme on Ocean Science and Policy
- Intern at [Japan Coast Guard \(JCG\)](#), Hydrographic and Oceanographic Dept.

Japan Coast Guard

- Its Role and Organisation

- Maintenance of public order, oil pollution response, navigation safety, aids to navigation, disaster prevention,...
 - Ocean Research and management
- ... Led by **Hydrographic and Oceanographic Dept.**



My Intern at JCG

What kind of intern am I involved in?
... Tokyo Bay Renaissance Promotion
Conference (Initiated from February
2002)



Reference: http://www1.kaiho.mlit.go.jp/KANKYO/TB_Renaissance/index.html

Tokyo Bay -Location



Where is it located?



Tokyo Bay

- Current Situation



Red tide

From...



Blue tide

Caused by phytoplankton

Caused by oxygen-deficient water

Towards

- **Restore to swimmable sea** -

in purpose of **Resoration of eco-system**

Leisure, marine sports, recreation,...

Why Project Implemented?

Situation change of Tokyo Bay

Past: Good fishing ground

1950s - 70s: Rapid economic growth

-> Grows of anthropogenic impacts

-> Lack of proper measures



Aggravation of sea environment

Oil Balls



Time Line

- What has done?



2001 Dec. Urban Renaissance Project decided

2002 Feb. Tokyo Bay Renaissance Promotion
Conference initiated

2003 Mar. 'Action Plan for Tokyo Bay
Renaissance' designated



Revision (professionals, public comments)

2007 Mar. First Mid-term Evaluation



Further revision

2010 Mar. Second Mid-term Evaluation (Planned)

About Tokyo Bay Renaissance Project

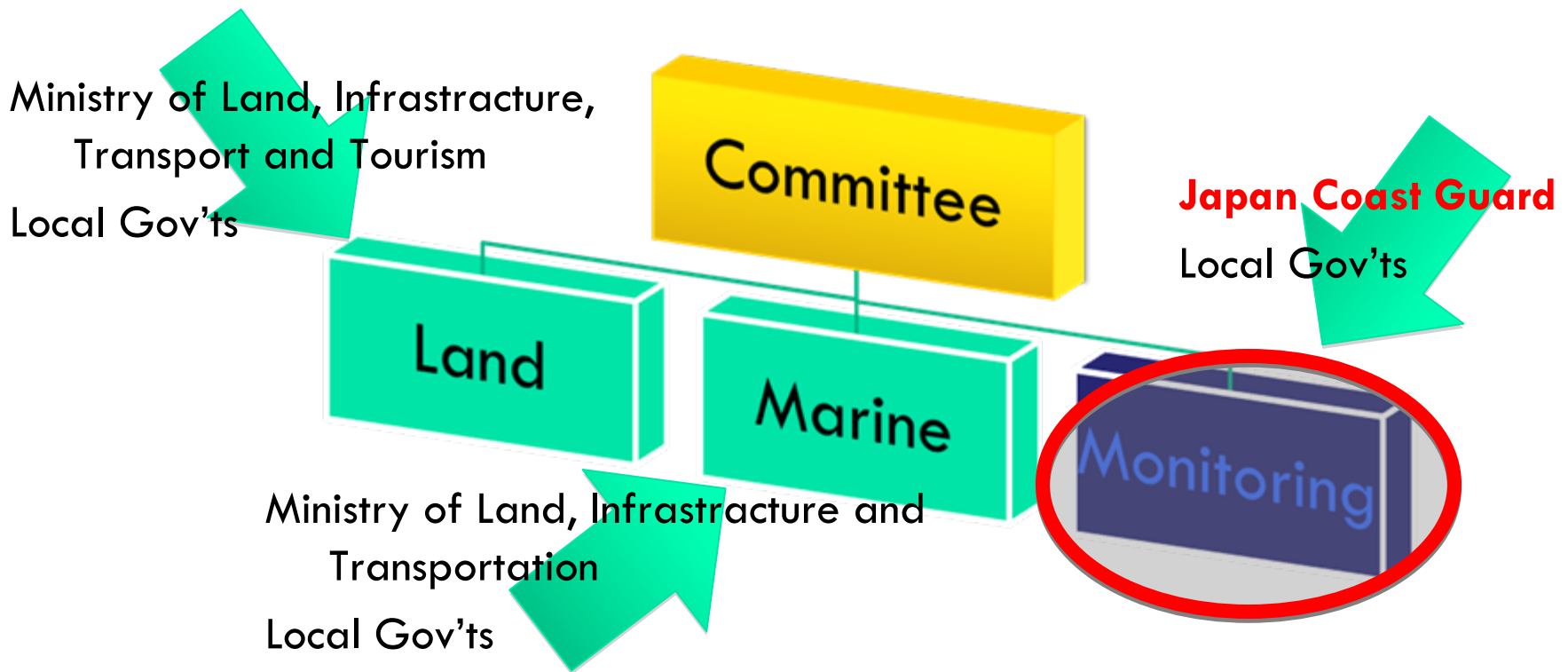
In purpose of 'Improvement of Tokyo Bay
environment

... Cooperative measures
by organisations concerned
(e.g. Ministies, Local
Gov'ts, Citizen
Organisations)



Tokyo Bay Renaissance Promotion Conference

... Subgroups into Land / Marine / Monitoring





Subgroups' Measures

Land

e.g.) Total reduction of load factor, Sewerage equipment, floating garbage collection,...

- Marine

e.g.) Mire reduction, Tidal flats equipment, Technical development,...

- Monitoring



Why Monitor?

- Comprehensive evaluation of reasons that cause stresses on ecosystem
- Simulate predictable / possible future environmental change
- Recognise the bionomic phenomena appear at Tokyo Bay

From professional policy advise (2008 Mar.)



Role of Monitoring Subgroup (1)

- Led by Japan Coast Guard -

a) Survey

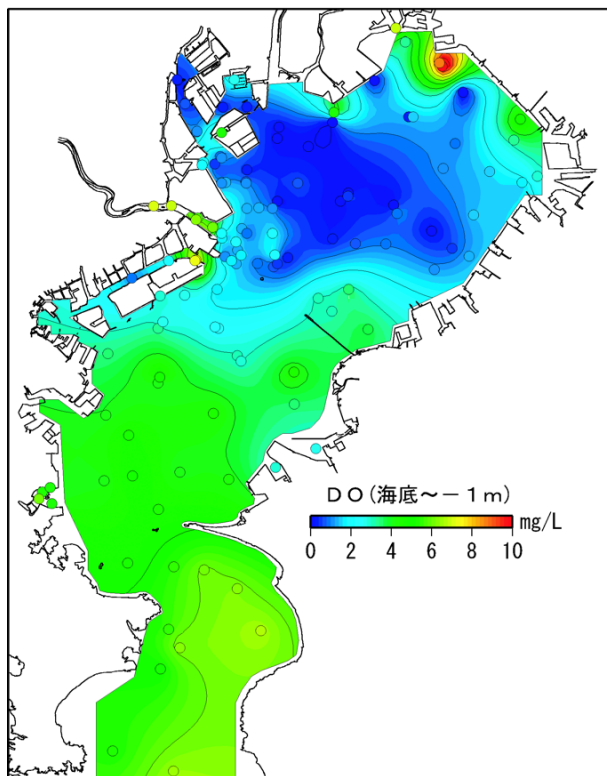
- Substantial monitor water quality

(e.g. DO¹, COD², TN³, TP⁴,...)

to obtain secular changes, improvement
evaluation,...

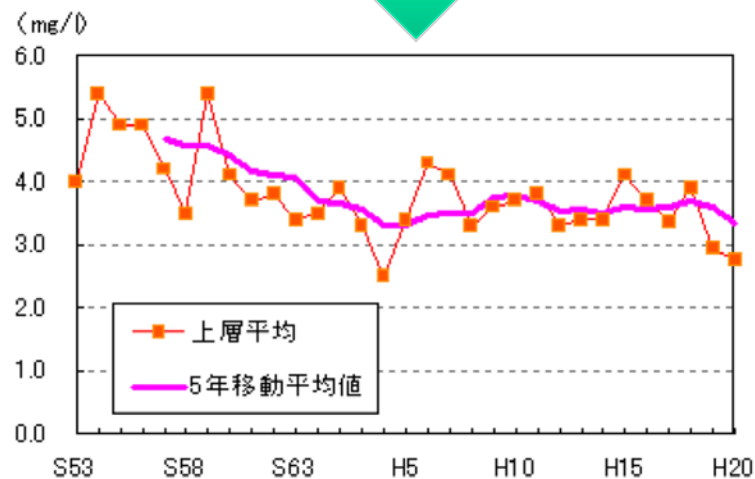
1. Dissolved Oxygen
2. Chemical Oxygen Demand
3. Total Nitrogen
4. Total Phosphorus

Role of Monitoring Subgroup (1)



DO existence (July 2009)

COD year change (1978-2008)



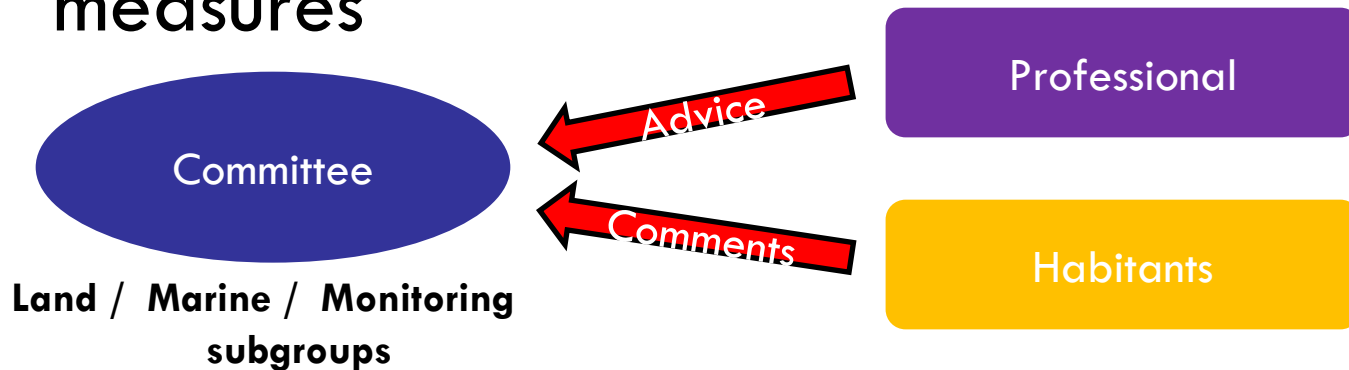
Reference: Paper document 'Current Situation in Tokyo Bay (Distributed in November 2009),' JCG.

Role of Monitoring Subgroup (2)

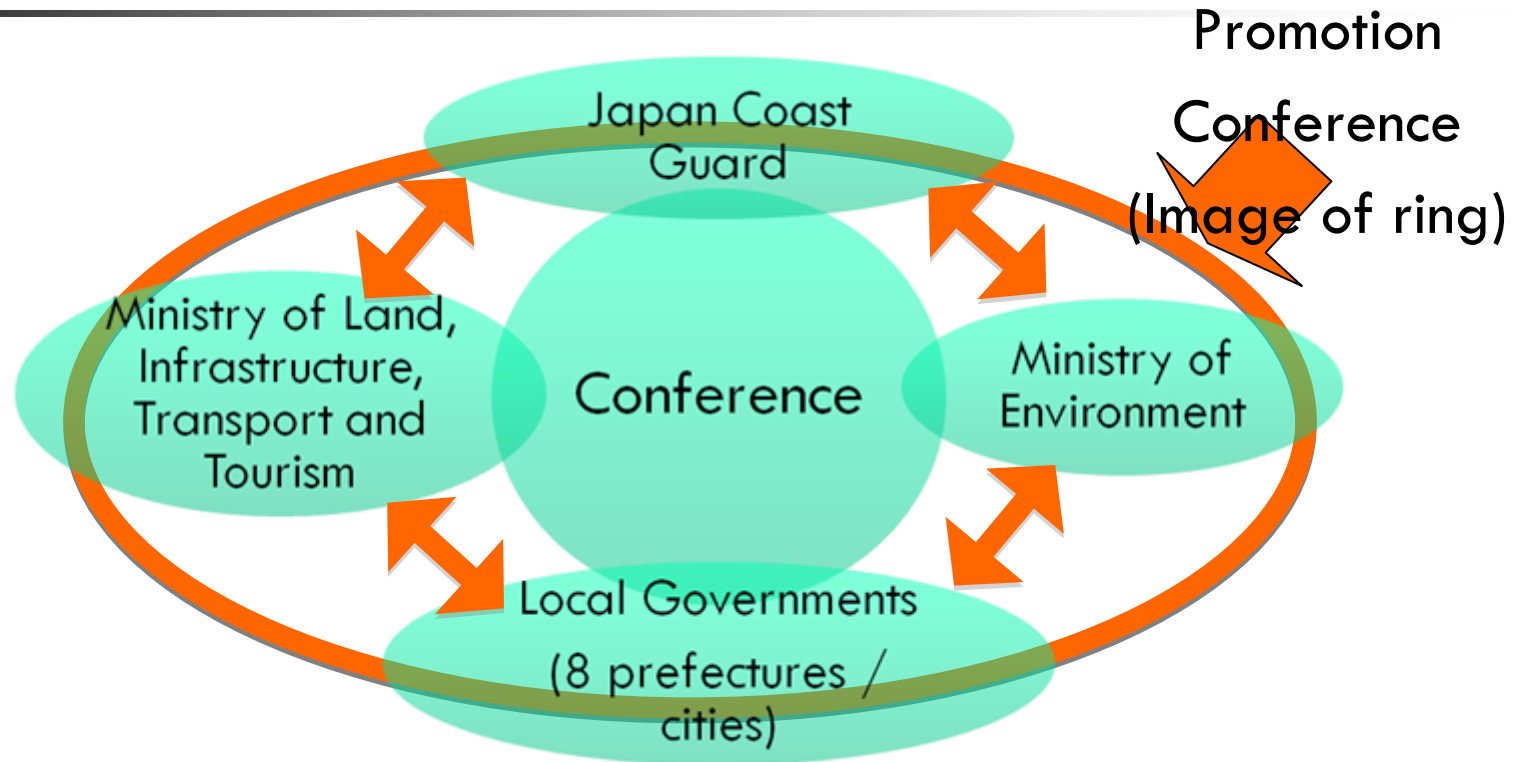
b) Logistics

- Manage meetings by parties concerned
- Hear professional opinions
- Reflect comments on entire committee

measures



Characteristics of Promotion Conference



Closer relationships among national / local governments



Resolution to vertical bureaucracy!

Example

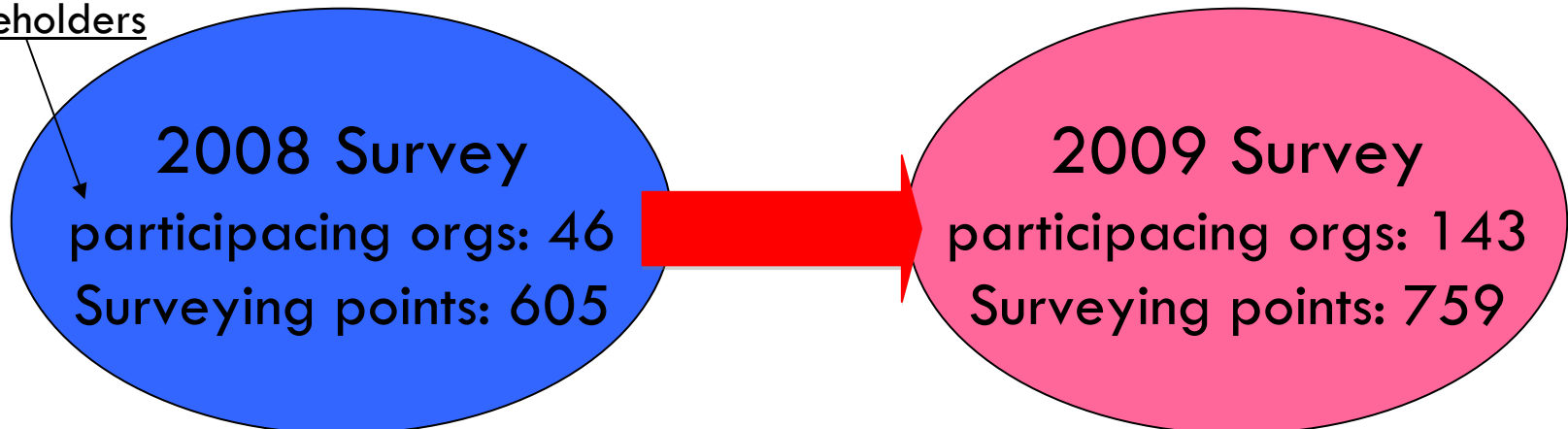
- Tokyo Bay General Survey

Involved private organisations and national / local governments on 5th August 2009

-> DO, water temp., salt content, COD, flows

... Increase of participants!

Stakeholders





Difficulties

- How to **maintain compatibility** between frequency and citizen-participating?
- How to **involve new-comers** (who have less interests in coastal environments)?
- How to **develop data quality**?
- How to **utilise data analysis**?



Possible Resolutions

- **Provide incentives** to citizens (e.g. recreation-connected,)
- **Manage within governments** (e.g. reduction of organising burdens - costs, time)
- **Be examined** by third-party organisations
- **Utilise web services** (e.g. internet accessibility)



Suggestion to East Asian Seas

In doing coastal management plans...

- **Make basement** to involve citizens - enlightenment as well
- **Reduce extra costs** by vertical bureaucracy
- **Provide transparency** of oaganisation / increasing reliability



User-friendly monitoring / survey!



Thank you for your attention!

Soichiro MOCHIDOME

MPP Candidate

Graduate School of Public Policy

Interdisciplinary Education Programme on Ocean Science and Policy

The University of Tokyo

s-a-mochi@snow.odn.ne.jp

soichiro.mochidome@gmail.com