Marine Monitoring Network and Assessment Method in China

Kang Xiaofeng

China National Environmental Monitoring Centre

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monitoring network

China National Environmental Monitoring Centre;

7 Professional marine monitoring Centre;

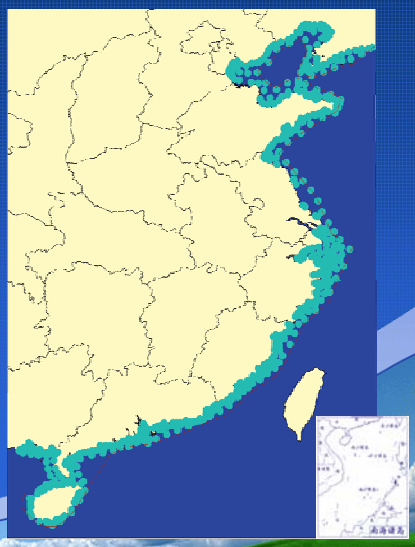
11 Provincial monitoring Centre;

Other branches monitoring Centre.

monitoring network

Around 300 water quality stations altogether;

More stations along the offshore.



monitoring method and measurements

Physical and chemical data, mainly water quality:

Single sample;

2 or 3 layers for each station;

2-4 times once a year.

monitoring method and measurements

Biological Data:

Some monitoring centre also work on alga and marine creatures;

Once for 2 years.

monitoring method and measurements

Assessment of marine water quality:

Single factor method;

The water quality classification is the classification of the component which is most polluted.

monitoring method and measurements

Grade I: all of the measurements should satisfy the limit value of the first classification.

Grade II: one or more measurements can't satisfy the limit value of the first classification, but blow the second classification.

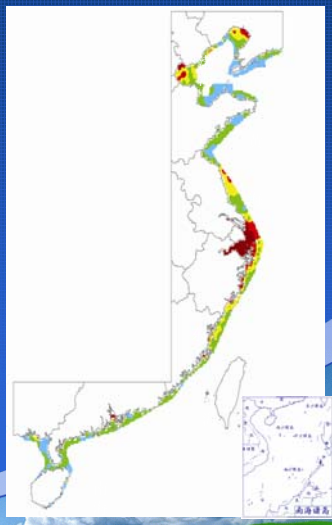
Grade III: one or more measurements can't satisfy the limit value of the first and second classification, but blow the third classification as well.

And the Grade IV and V follow the same rule.

Conclusions & Publications

Most polluted area: estuary of big rivers;
Main pollutant: nitrogen and phosphor;
N and P is the key components of eutrophication.
Different distribution with chlorophyll? And go to more details to examine it? ??

Publication: Bulletin on offshore Environmental quality of China



Thank you for your attention!