



The Expectations of zooplankton study

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- **The reestimate of zooplankton biodiversity**
- **Improving knowledge of relationship between environment and zooplankton**
- **Wish to build a platform to exchange references, researchers and specimen.**



•New technical methods are used to find new species. e.g. scanning electron microscope and Molecular methods
But some common species(morphological similar) are often ignored.

•Comparing specimen from different countries is essential.

Exchanging specimen is needed.

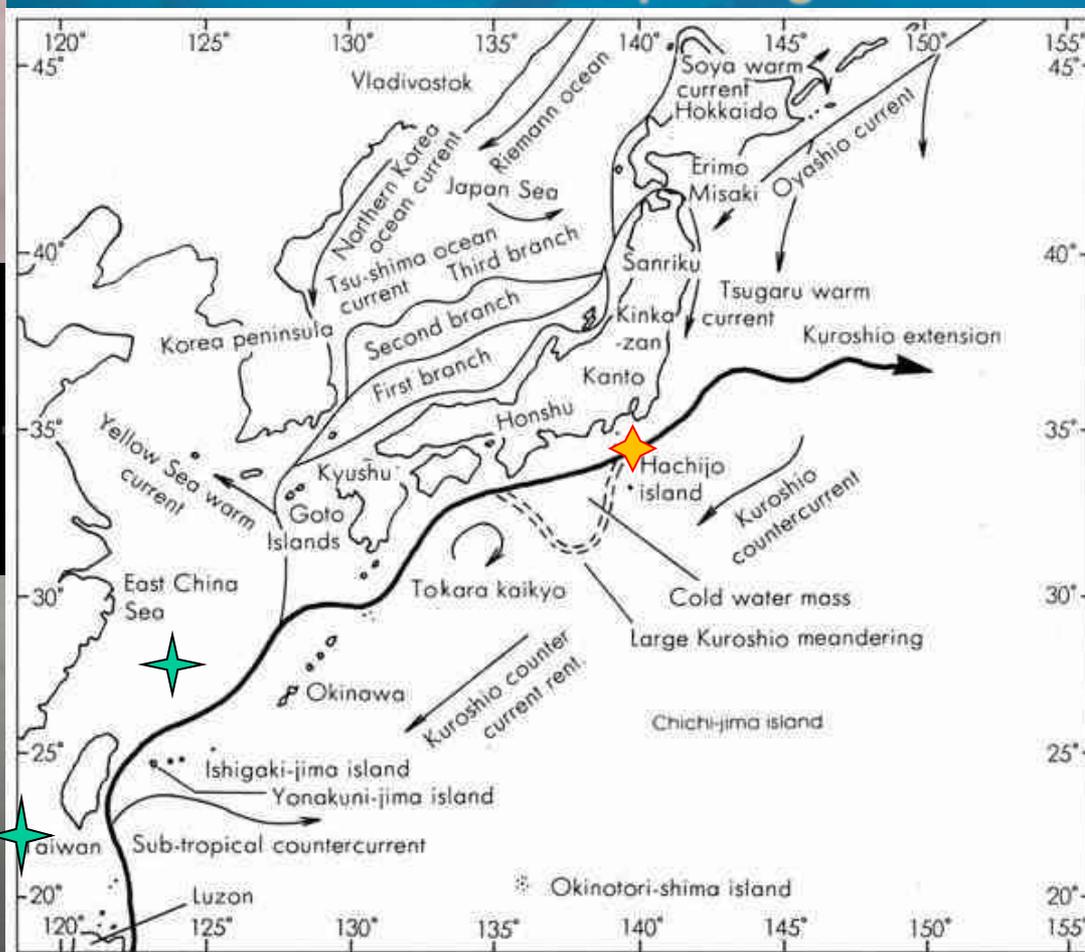
•Developing a series of normal principle to instruct investigators, identification workers, and young taxonomists.

Maybe experts can published booklets.





- Chinese specimen and specimen of other countries have significant divergence in genes
- *Are they cryptic species?*
Are they new species?
We need further morphologic studies.



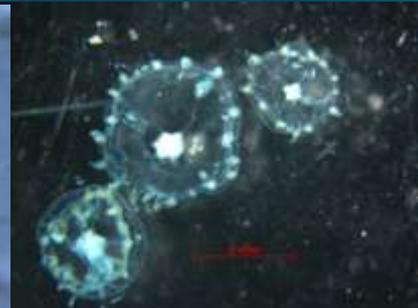
- **The effect of special habitat to zooplankton**

e.g. The oxygen minimum zone (OMZ)
stratification of sea waters, etc.

- **The influence of temporal climate change**

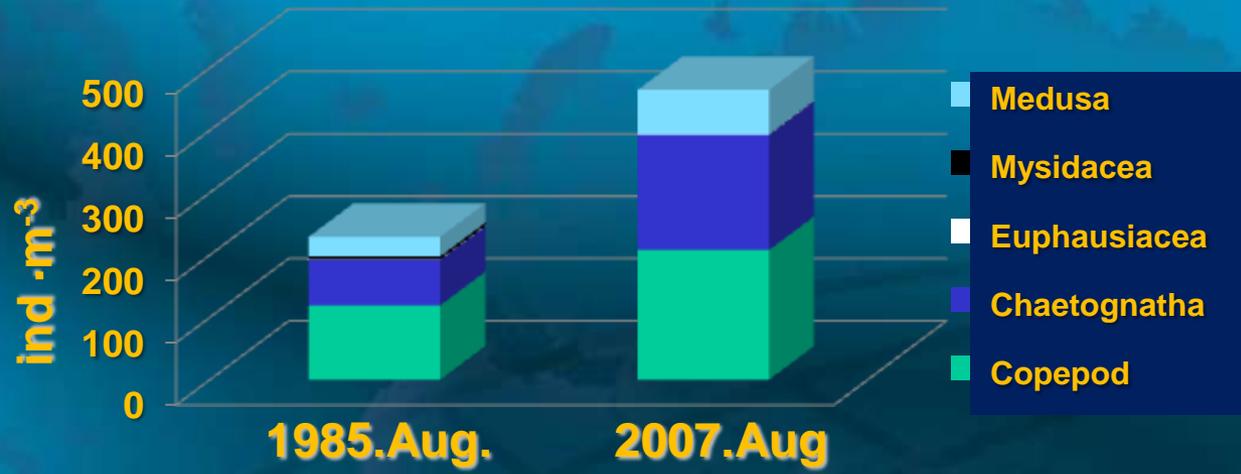
e.g. ENSO

- **The evolution of the functional group**





- The abundance of small copepod increase in Changjiang Estuary in decades(the reason is not clear).
(eutrophication? Globe warming?)



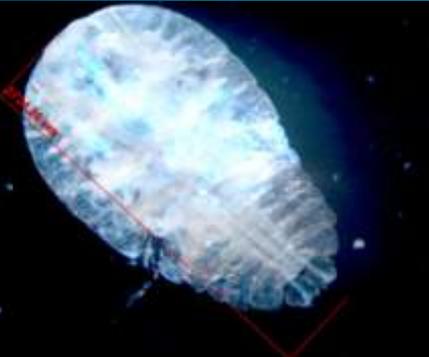


- The apparatus can be used in works of evaluation of zooplankton biomass.



- Evaluation of marine zooplankton diversity demands the skilled persons and the trained taxonomist.

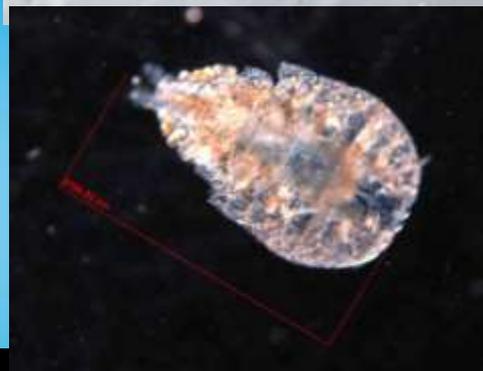




- More books, data, and documents to share. maybe a forum is needed.



- More trainings for young researchers and students.



- Building a platform and regulations to exchange the samples and specimen between labs and counties.

e.g. <http://copepodes.obs-banyuls.fr/en/>



Thank you!



2 mm

Pontella chierchiaie Giesbrecht, 1889