

***“MERCURY STABLE ISOTOPES DISCRIMINATE
DIFFERENT POPULATIONS OF COMMON
SEABASS AROUND EUROPE AND PROVIDE
INSIGHT ON MERCURY CYCLE”***

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Context

Hg in marine organisms : Where does it come from?



Local or global?



Context

Hg in marine organisms : Where does it come from?



Local or global?



Hg Stable Isotopes



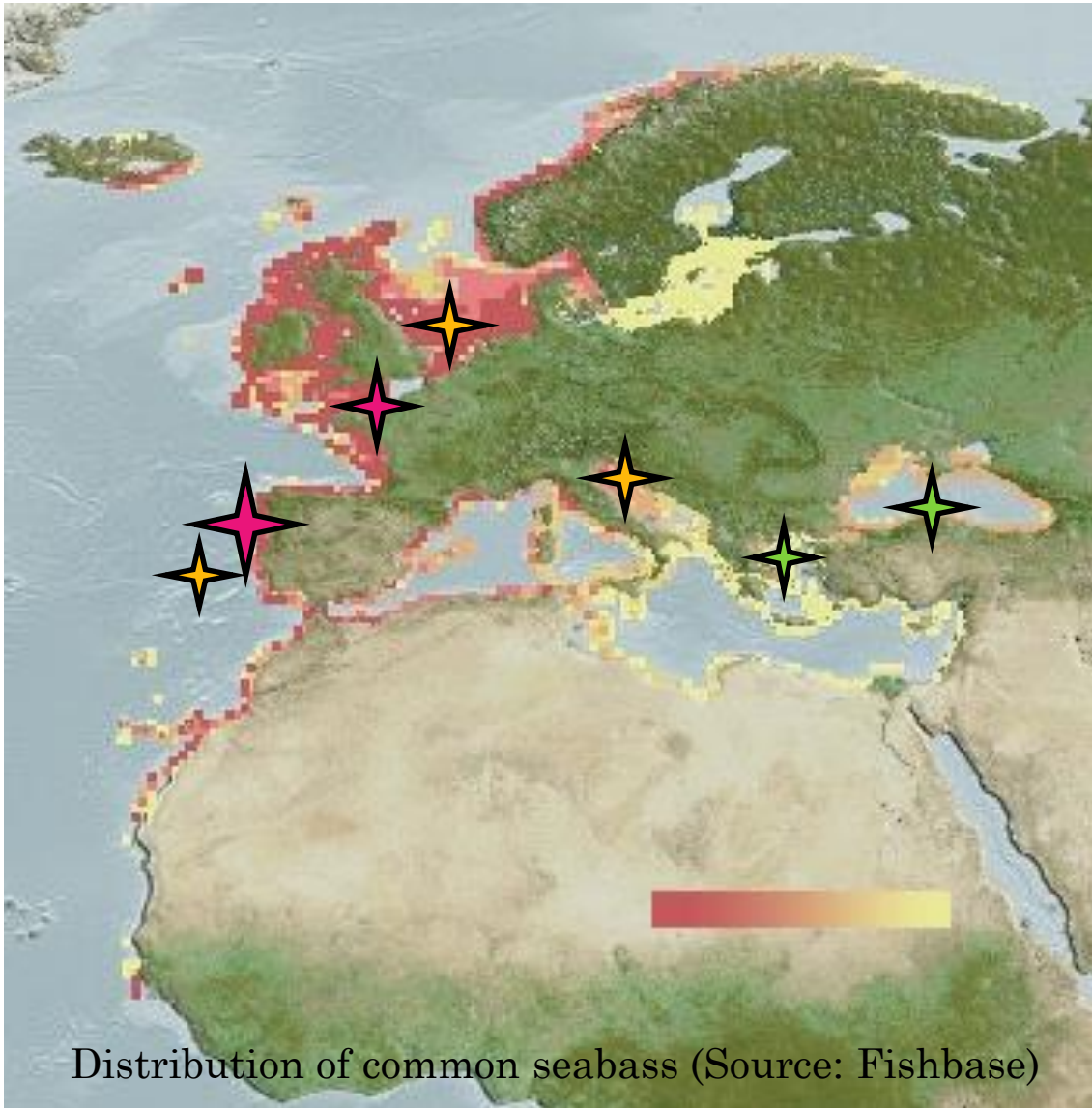
Classic... similar
to $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$



« anomaly »



Objective



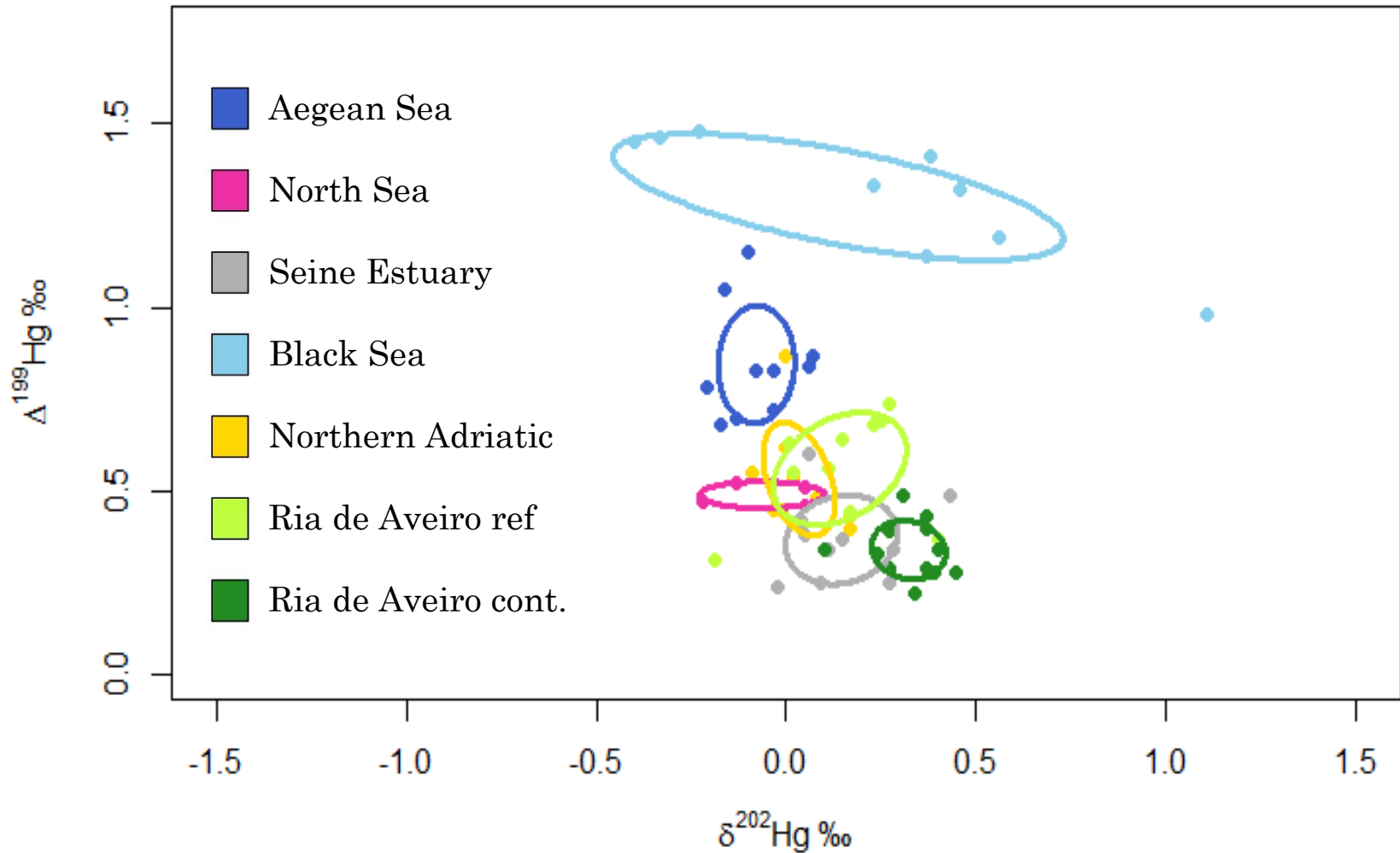
- THg
- $\delta^{202}\text{Hg}$
- $\Delta^{199}\text{Hg}$
in
seabass



Can we
discriminate
sampling
sites?

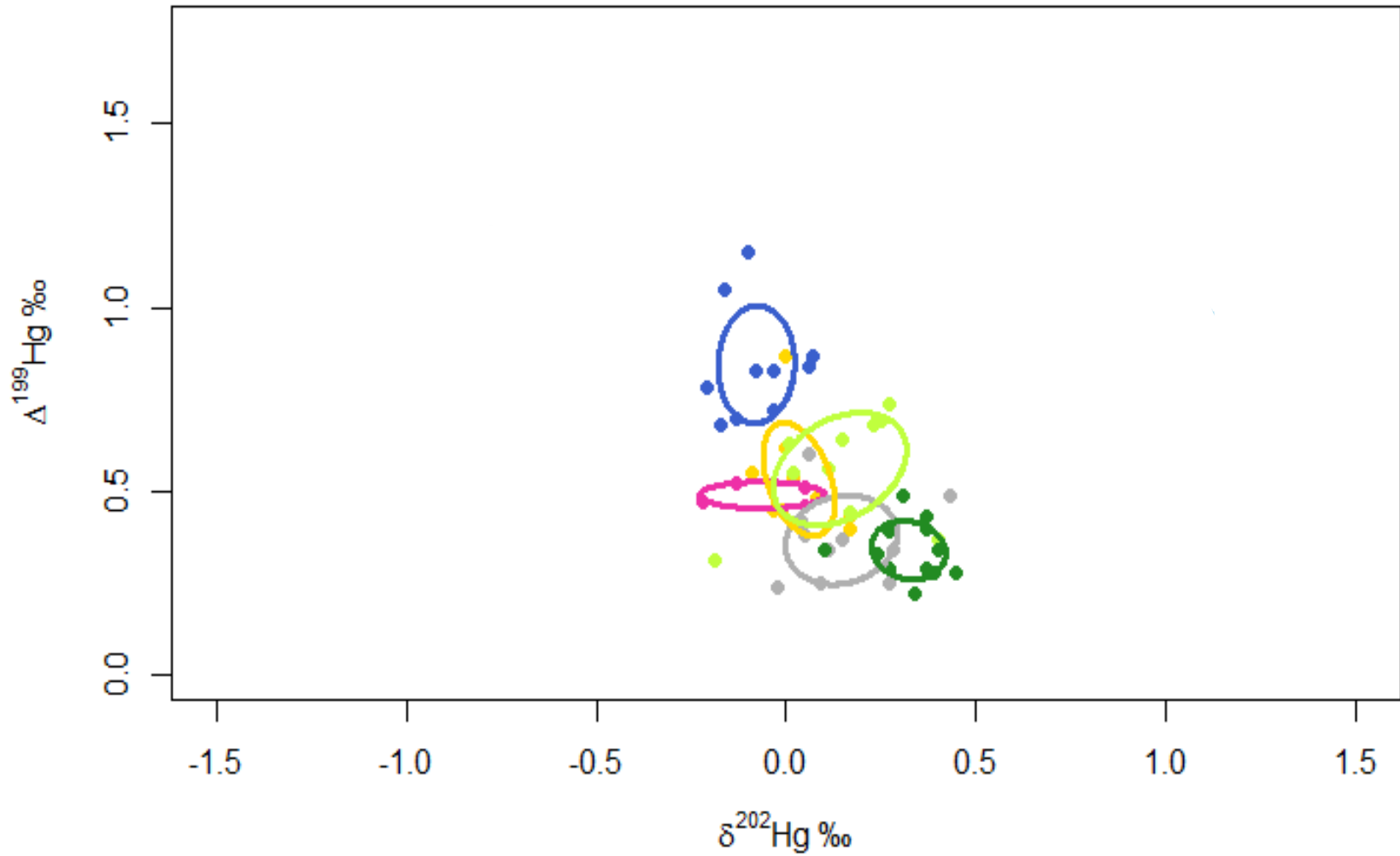


Yes, we can!

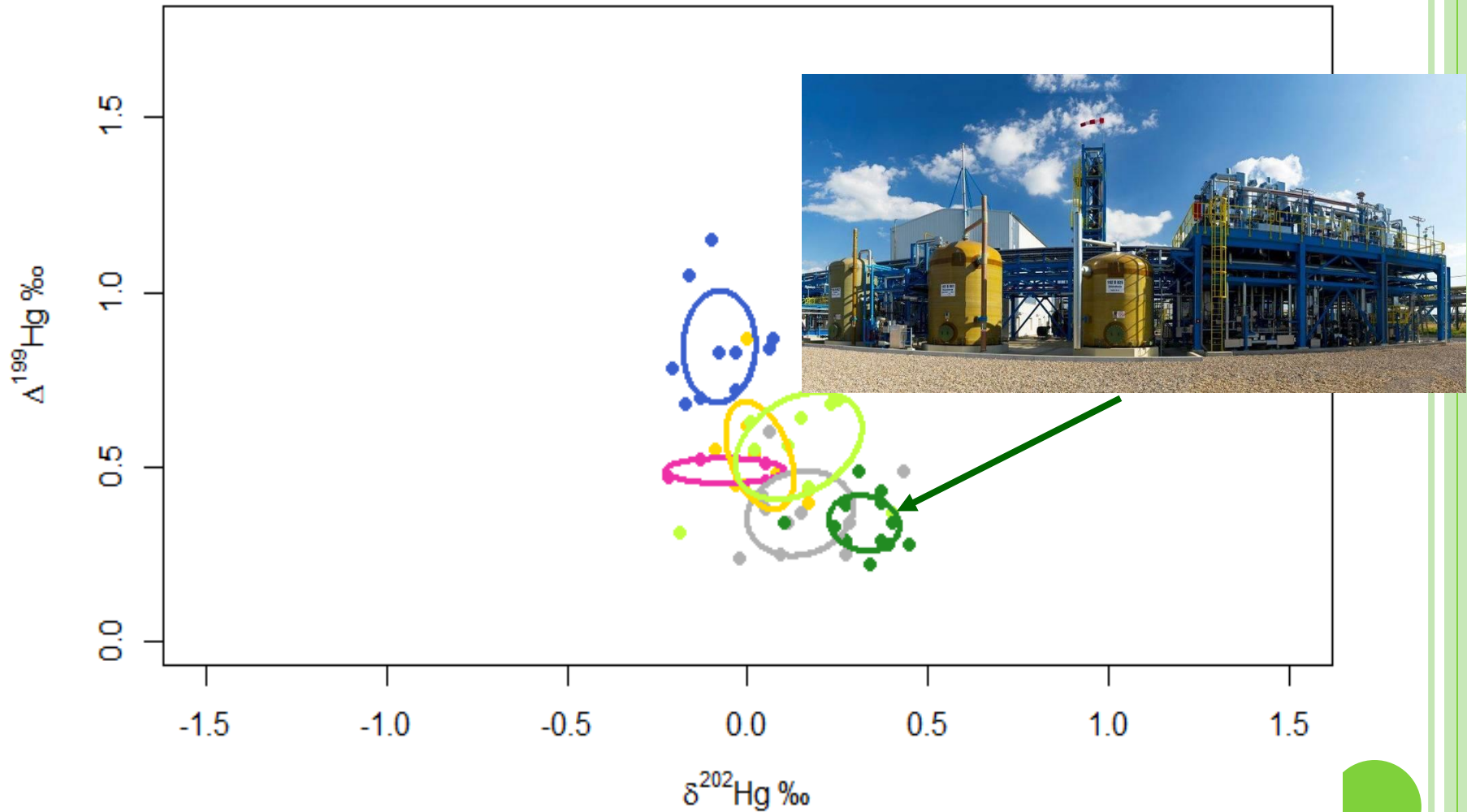


Core Hg isotopic niches (SIBER)

Global vs local



Global vs local



Take home message

Hg isotopes :

- **discriminate distinct populations**
- **Help investigate Hg sources**

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Thank you!

Related publication coming very soon...

