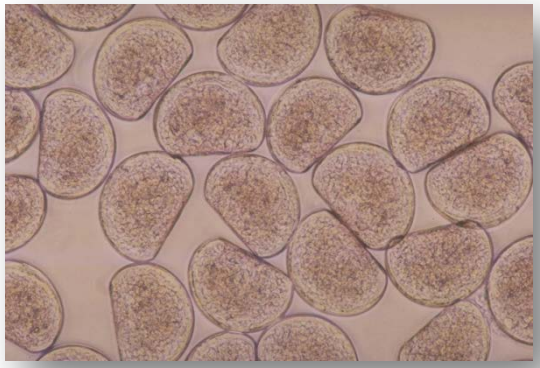
Journée eau & CONNAISSANCE
Contamination chimique des milieux aquatiques
27 novembre 2015 à Lyon
Université Claude Bernard Lyon 1 - Domaine de la Buire

Ifremer



REMTOX : un réseau opérationnel pour suivre l'écotoxicité en mer

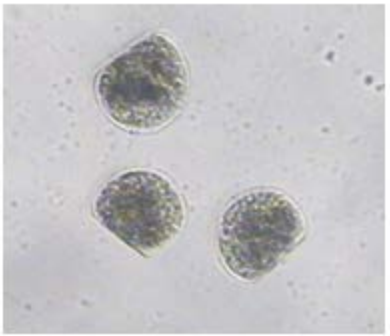
François GALGANI
IFREMER, LERPAC, Toulon et Bastia

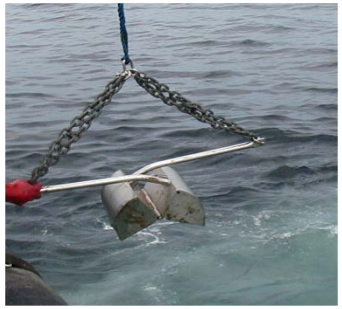
agence de l'eau RHÔNE MÉDITERRANÉE CORSE
établissement public de l'État

SAUVONS L'EAU !

Le développement larvaire de l'huître (*Crassostrea gigas*)

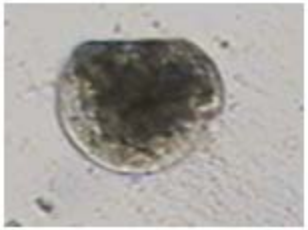
norme XP T 90-382 (2009)





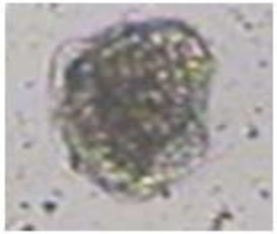
Larves D

Coquille Convexe



Encoches

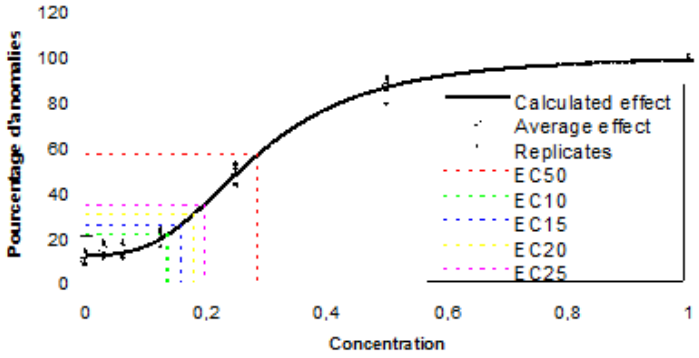
velum anormal

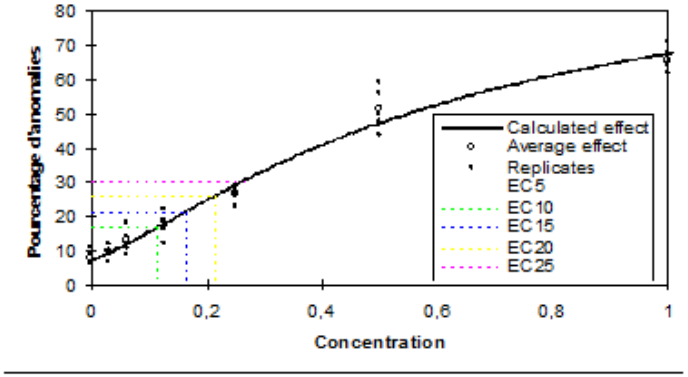


Malformation générale

Développement bloqué

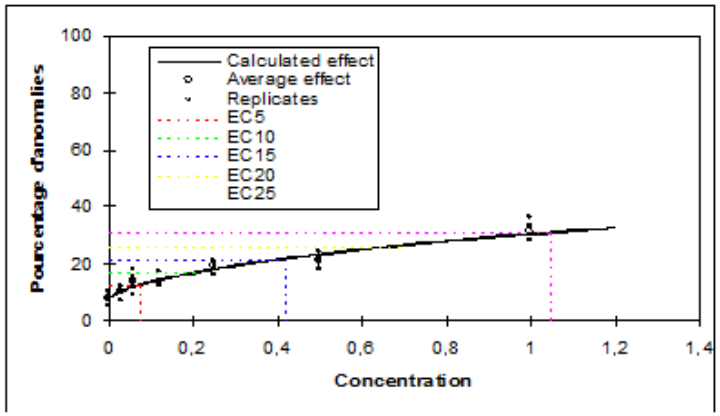
Une relation Dose/Réponse directe

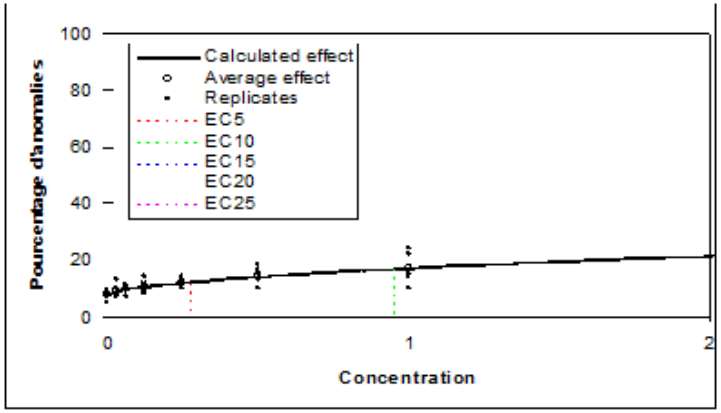




Lez

Mosson (embouchure)



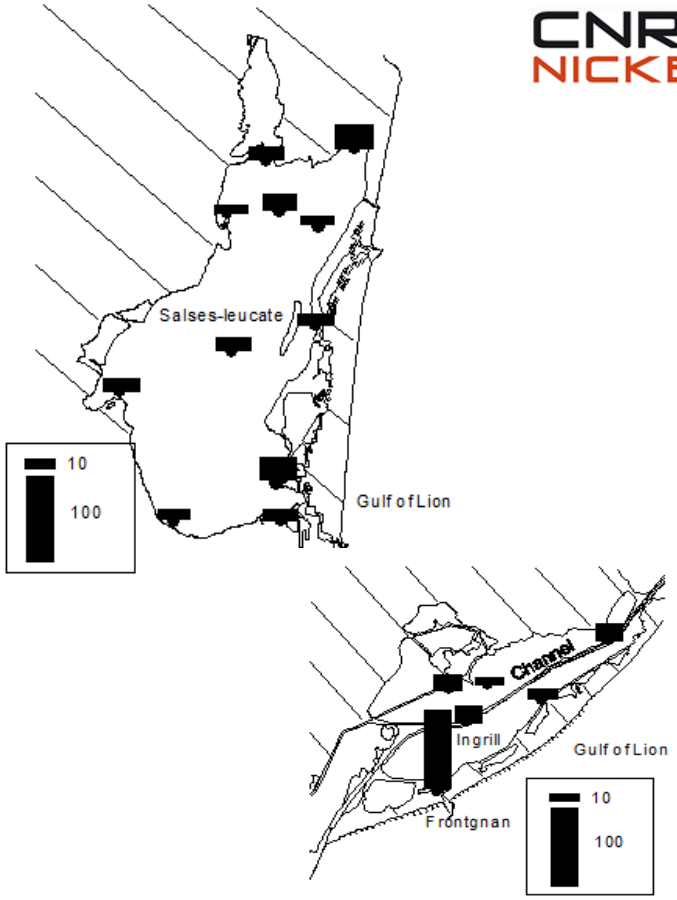


Grec (station Est)

Leucate (Sortie STEP ouest)

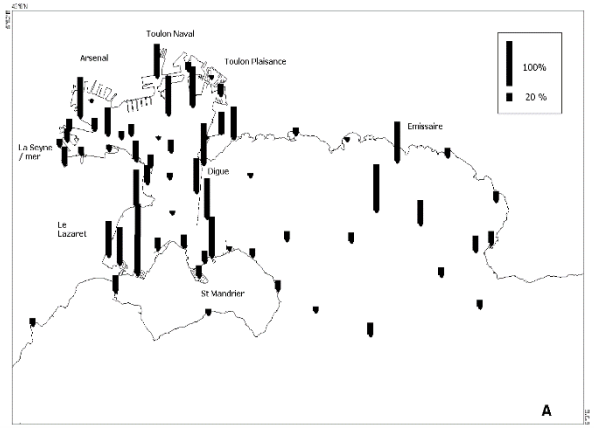
Toxicité des produits chimiques

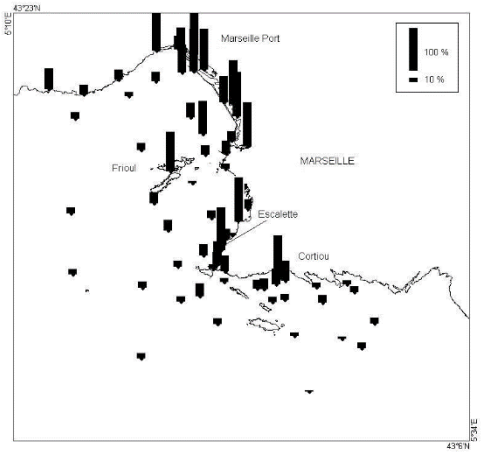
Hg	10ug/l
	1ug/l
	100ng/l
	10ng/l
Zn	10mg/l
	1mg/l
	100ug/l
	10ug/l
	1ug/l
	100ng/l
Co	10mg/l
	1mg/l
	100ug/l
	10ug/l
	1ug/l
	100ng/l
	10ng/l
Ni	10mg/l
	1mg/l
	100ug/l
	10ug/l
	1ug/l
	100ng/l
Mn	10mg/l
	1mg/l
	100ug/l
	10ug/l
	1ug/l

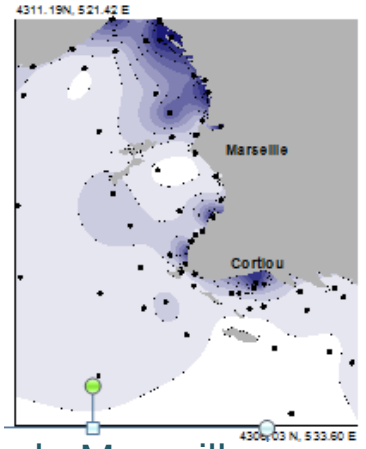


Mesure de la contamination des sédiments lagunaires

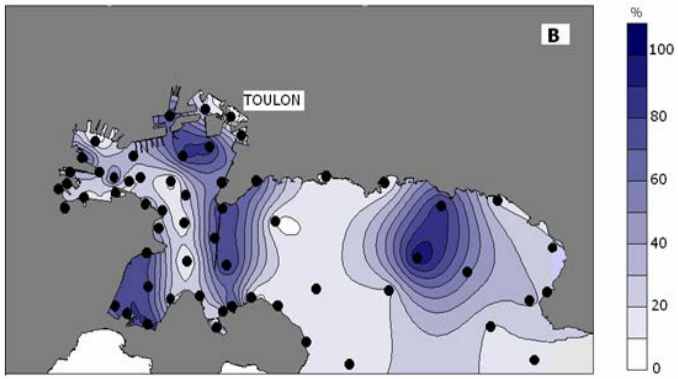
Mesure de l'impact des activités portuaires



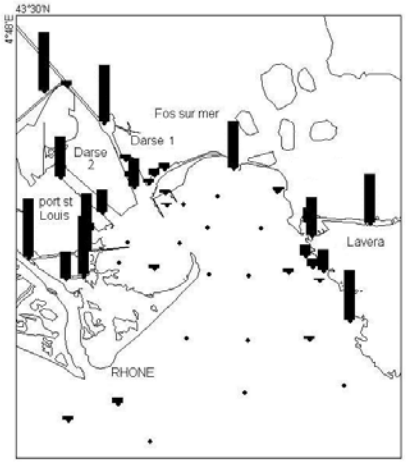


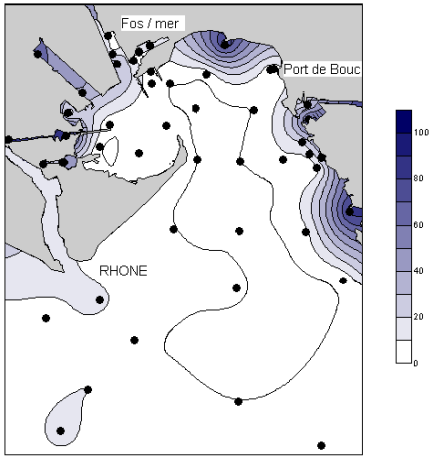


Baie de Marseille



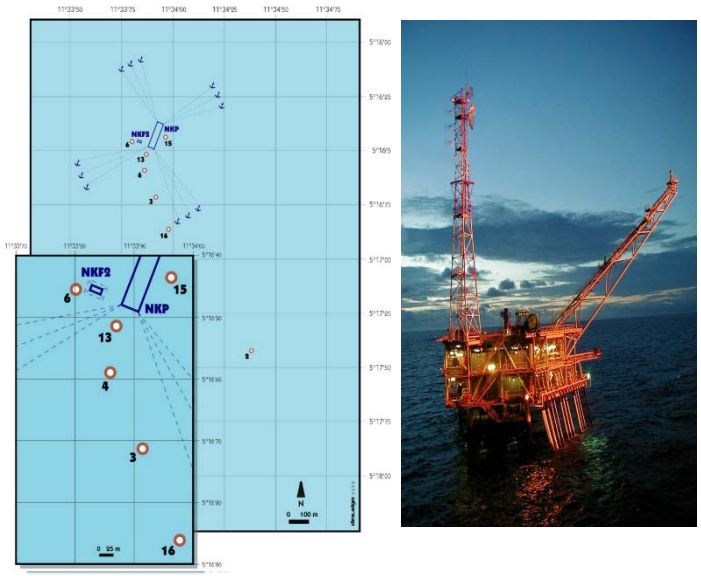
Rade de Toulon

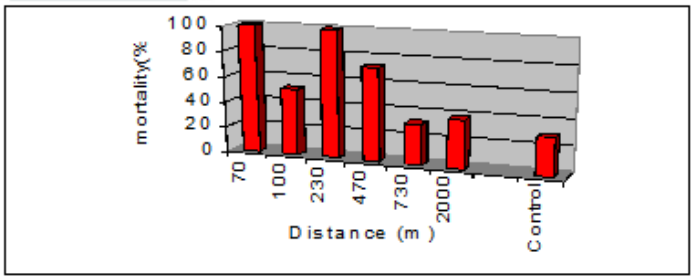




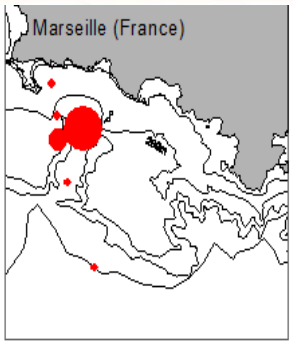
Fos /mer

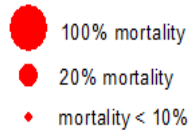
Mesure de l'impact des activités industrielles



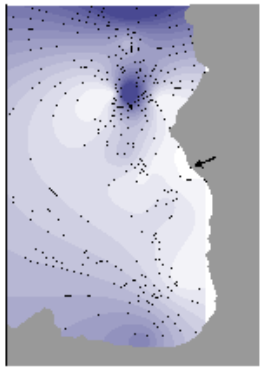


Boues de forage



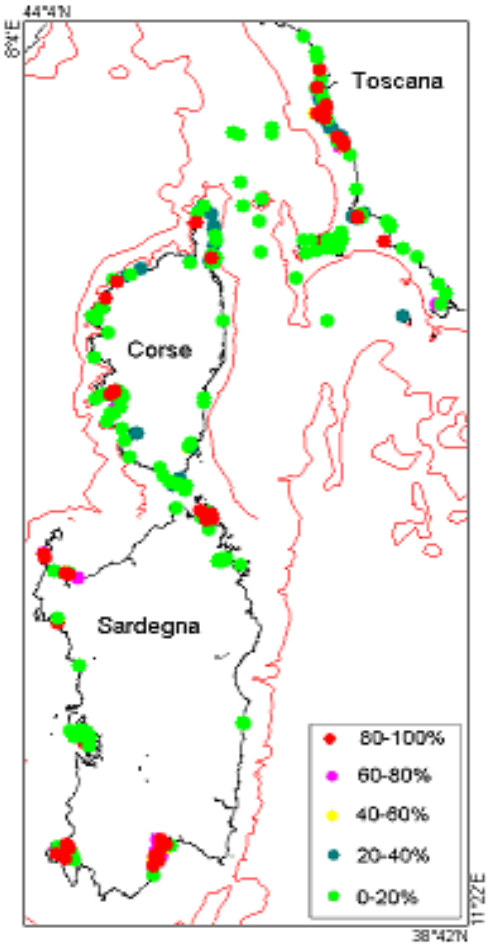


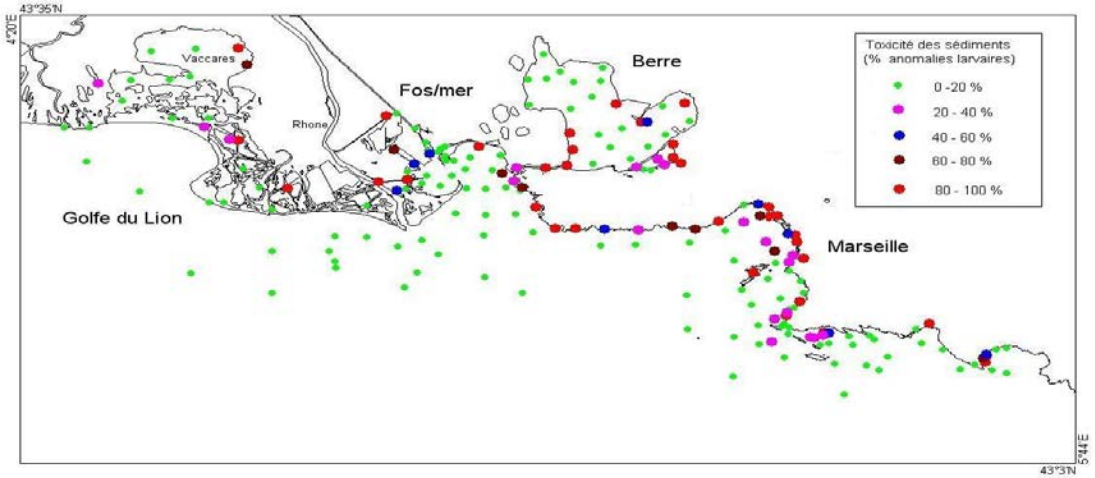
Rejet profond



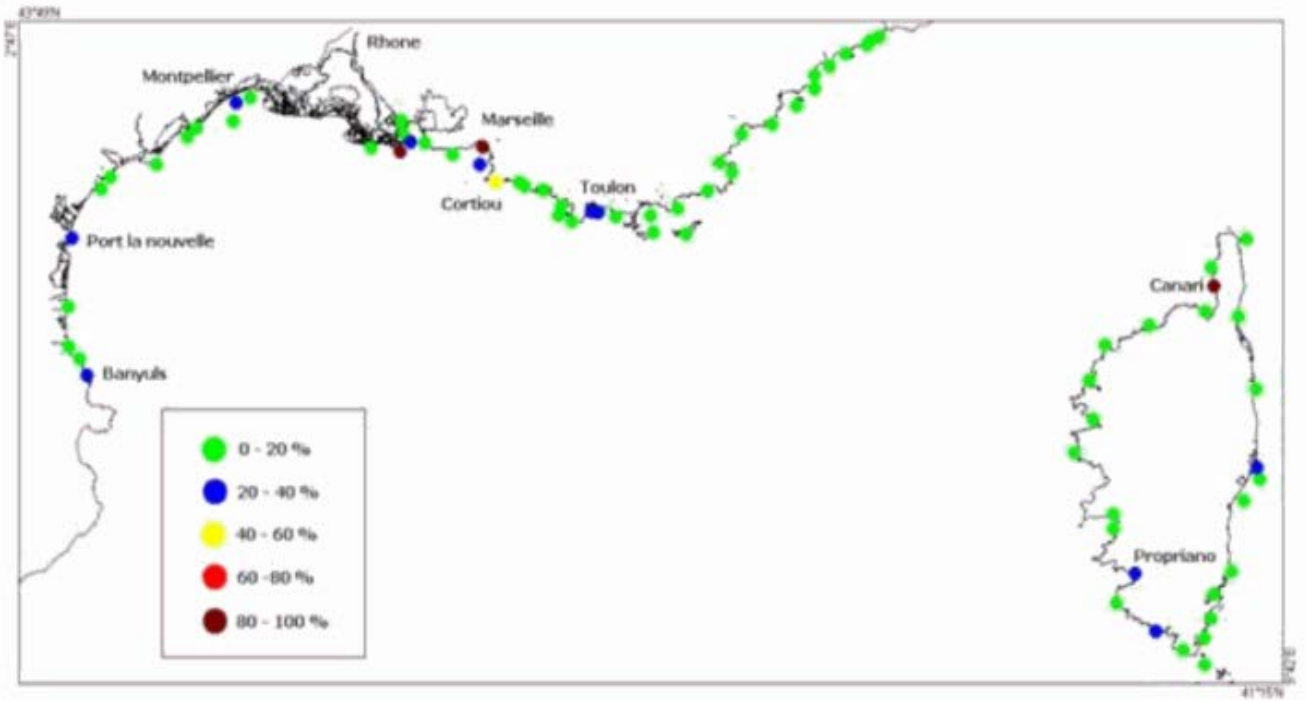
Mine de Canari

Un outil de gestion





Le réseau REMTOX



2009 : Un Bilan des cotes françaises

Ifremer
CTo/LER-PAC/30-08-2012
% de larves anormales
100
le Var
Nice
Cannes
Montpellier
l'Hérault
l'Argens
Sete
Marseille
l'Huveaune
le Gapeau
l'Aude
Toulon
Hyères
Etude de la toxicité des sédiments
aux rejets des stations d'épuration
Port
Vendres
BASTIA
Golo
AJACCIO
Baraci
Le réseau REMTOX
2012 : un réseau optimisé
Sources : Agence de l'eau RMC, IGN, Ifremer, SHOM

Conclusions

Un potentiel important pour la surveillance :

1) Boues de Dragage (approche réglementaire, Norme disponible)

2) Impact des activités industrielles

3) Suivi et surveillance de la qualité des eaux et des sédiments

4) Suivi des rejets urbains

5) Caractérisation chimique

6) Extension géographique d'un impact

7) Aide à la définition de zones impactées