

MERcury and Carbon dioxide impact on physiology and behaviour of early-life stages of cephalopods











Thomas Lacoue-Labarthe

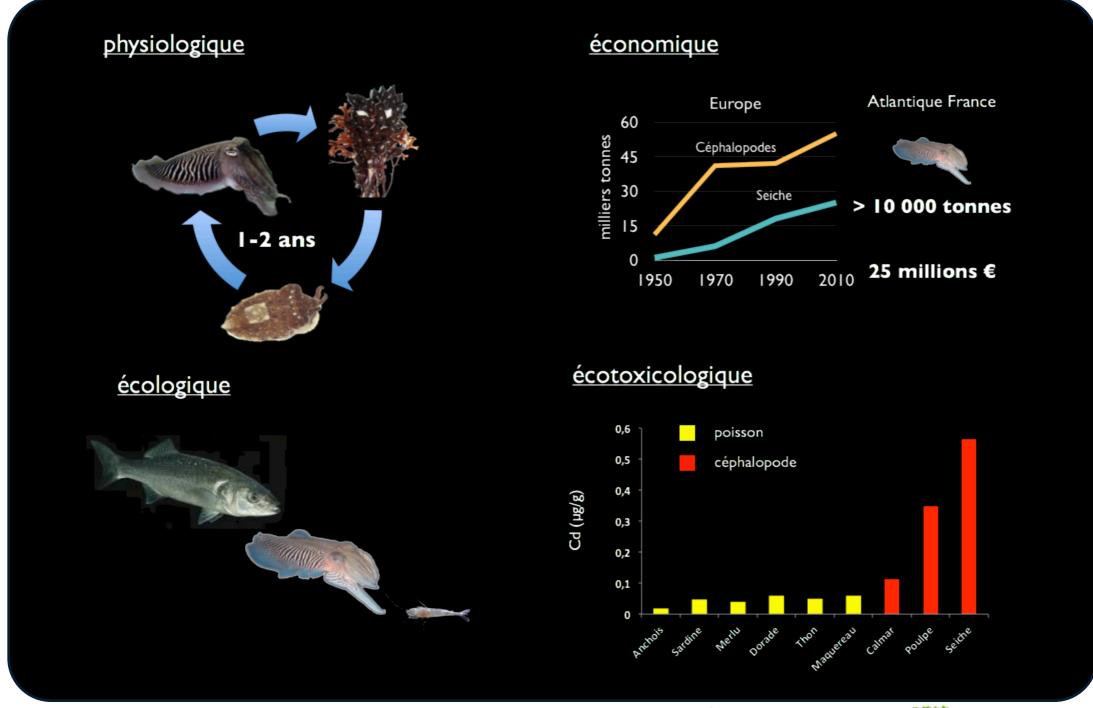




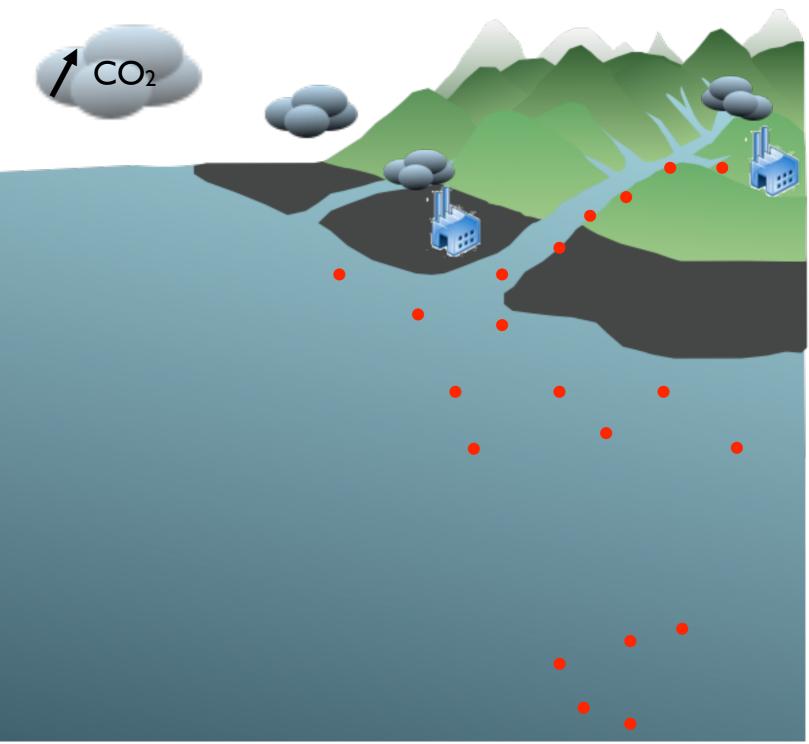
CR CNRS ULR 7266 LIENSs CNRS – Université La Rochelle







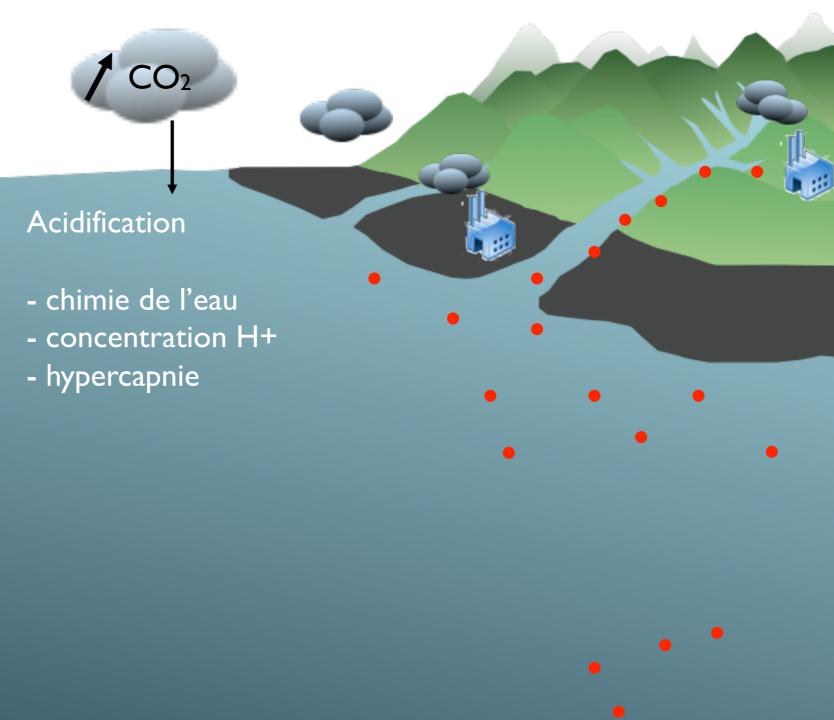




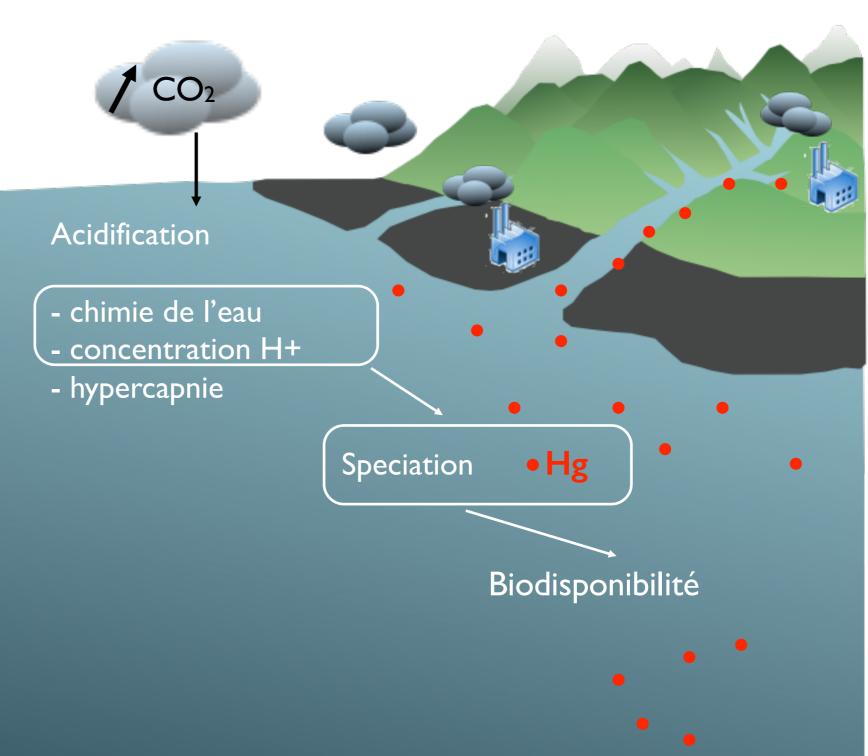
Diffusion

Bonus

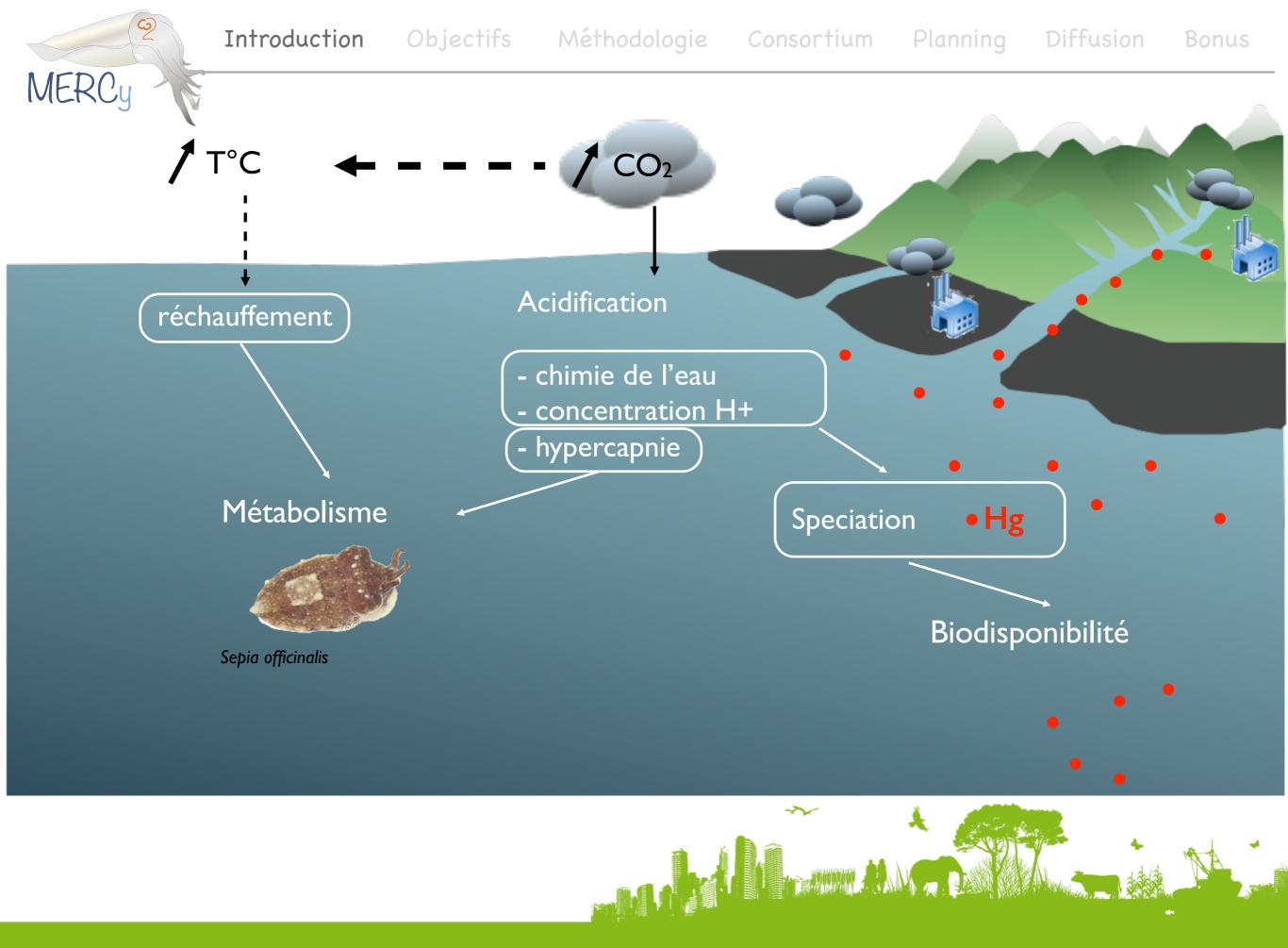


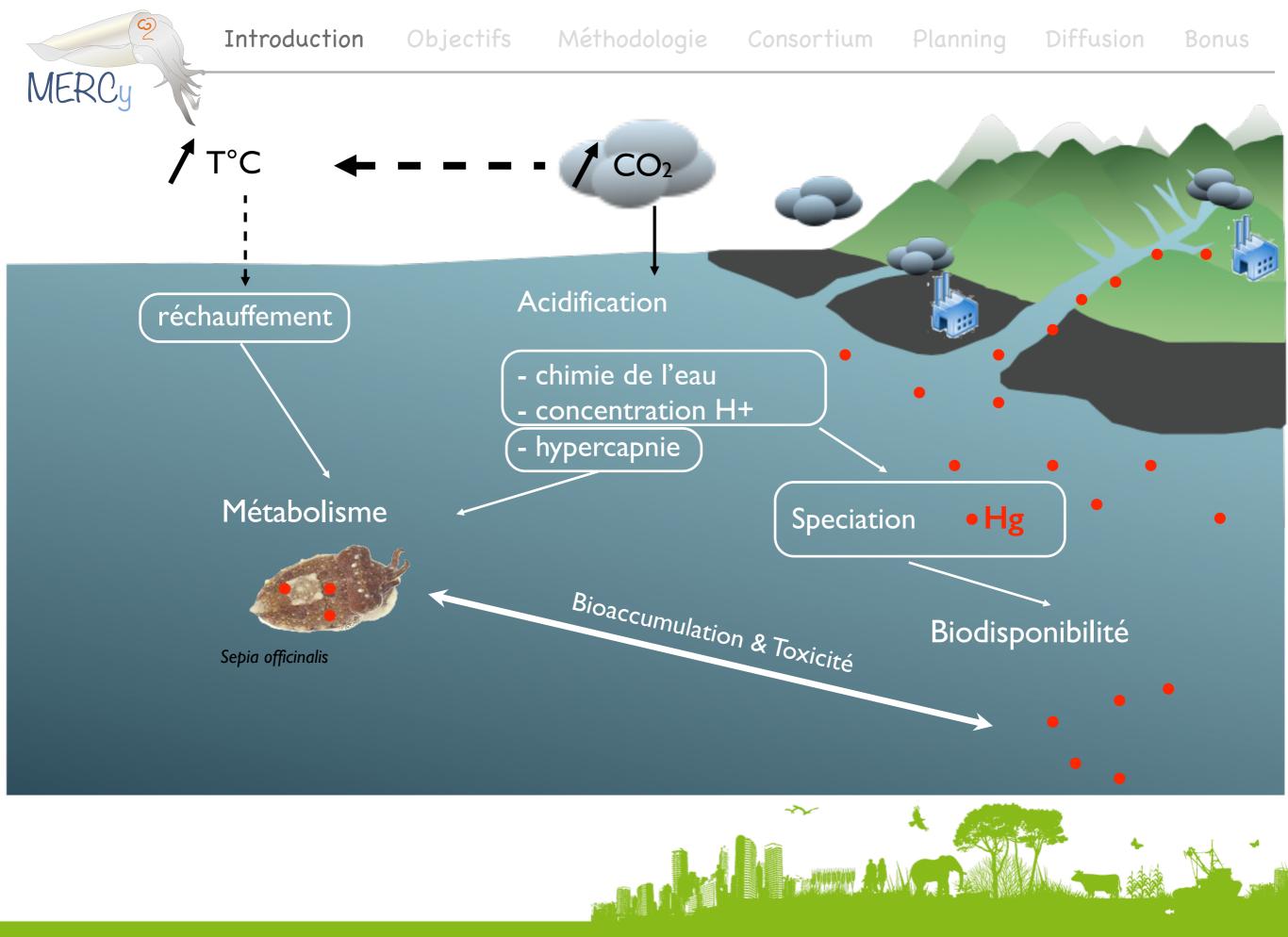




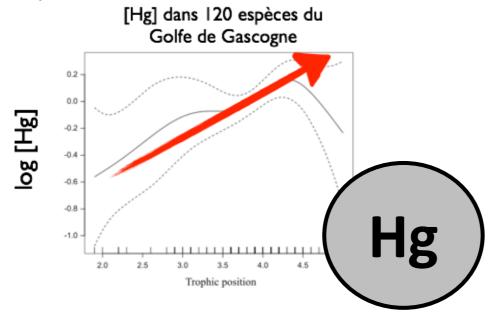








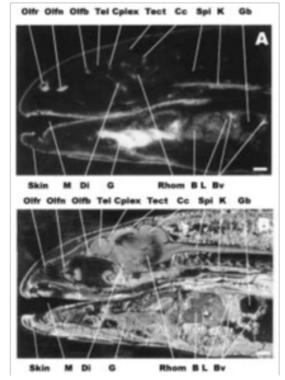






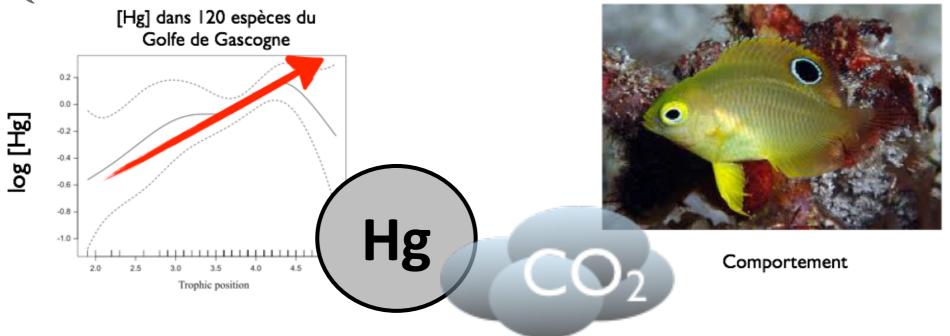
Comportement

Neurotoxicité









Des impacts sur les système sensoriels

- · Olfaction
- Hearing
- · Visual cues

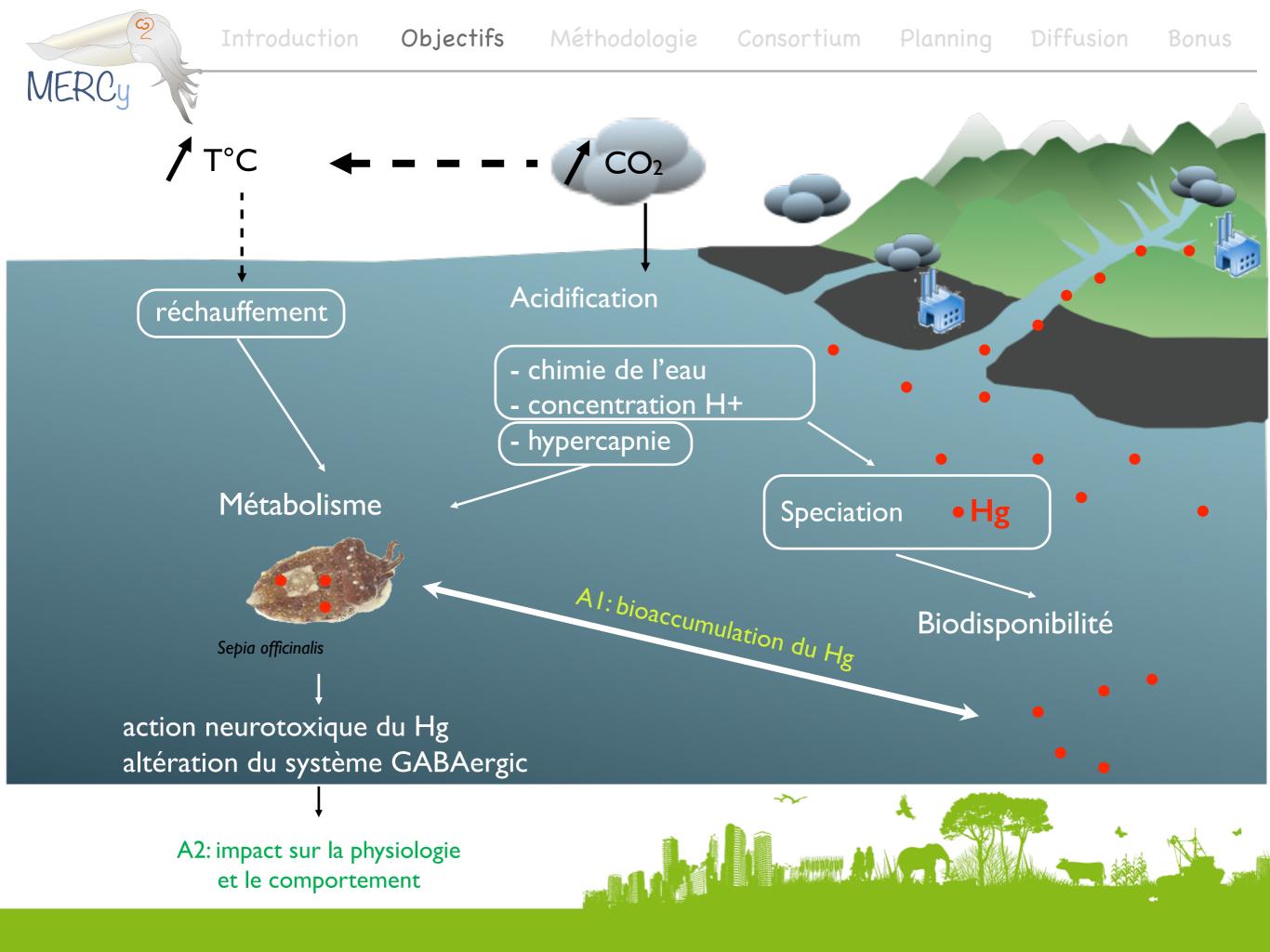
Conséquences sur les fonctions cognitives

- Latéralisation
- Activité
- Audace
- Apprentissage

Neurotoxicité

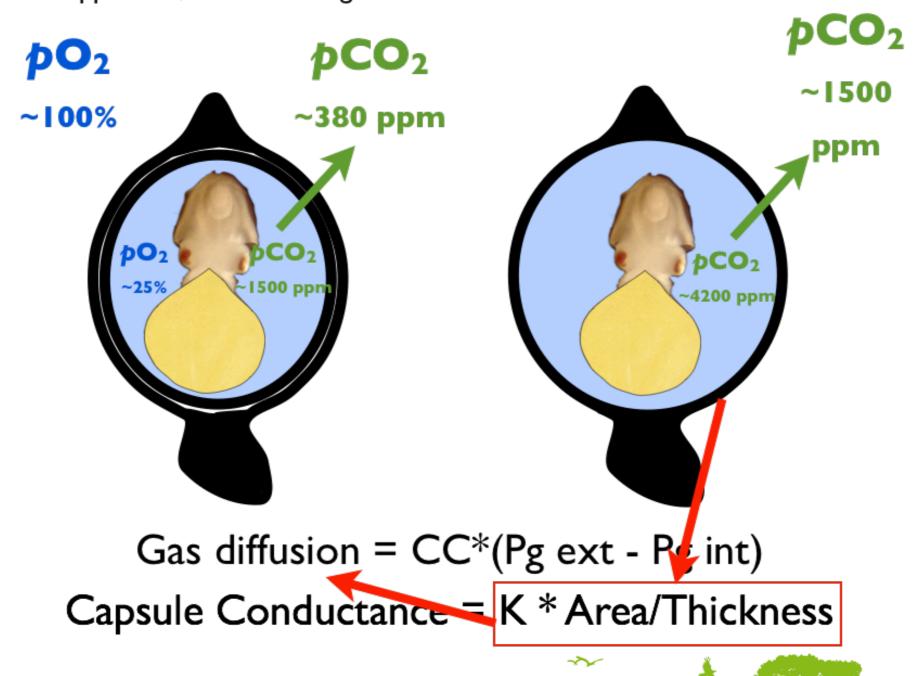








A la fin du développement, échantillonnage du PVF:





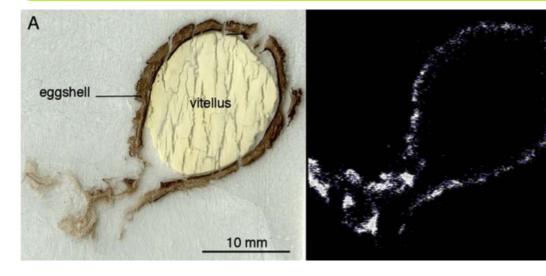
MERCy

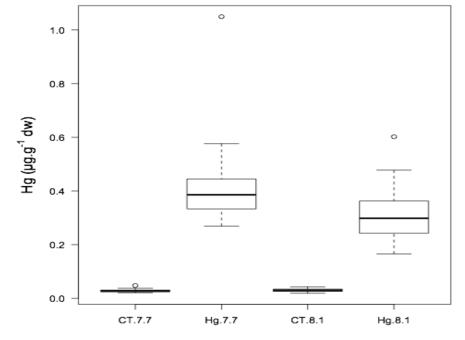






voie dissoute













vie juvénile



voie dissoute

voie dissoute et trophique





















voie dissoute

Maturation des systèmes sensoriels

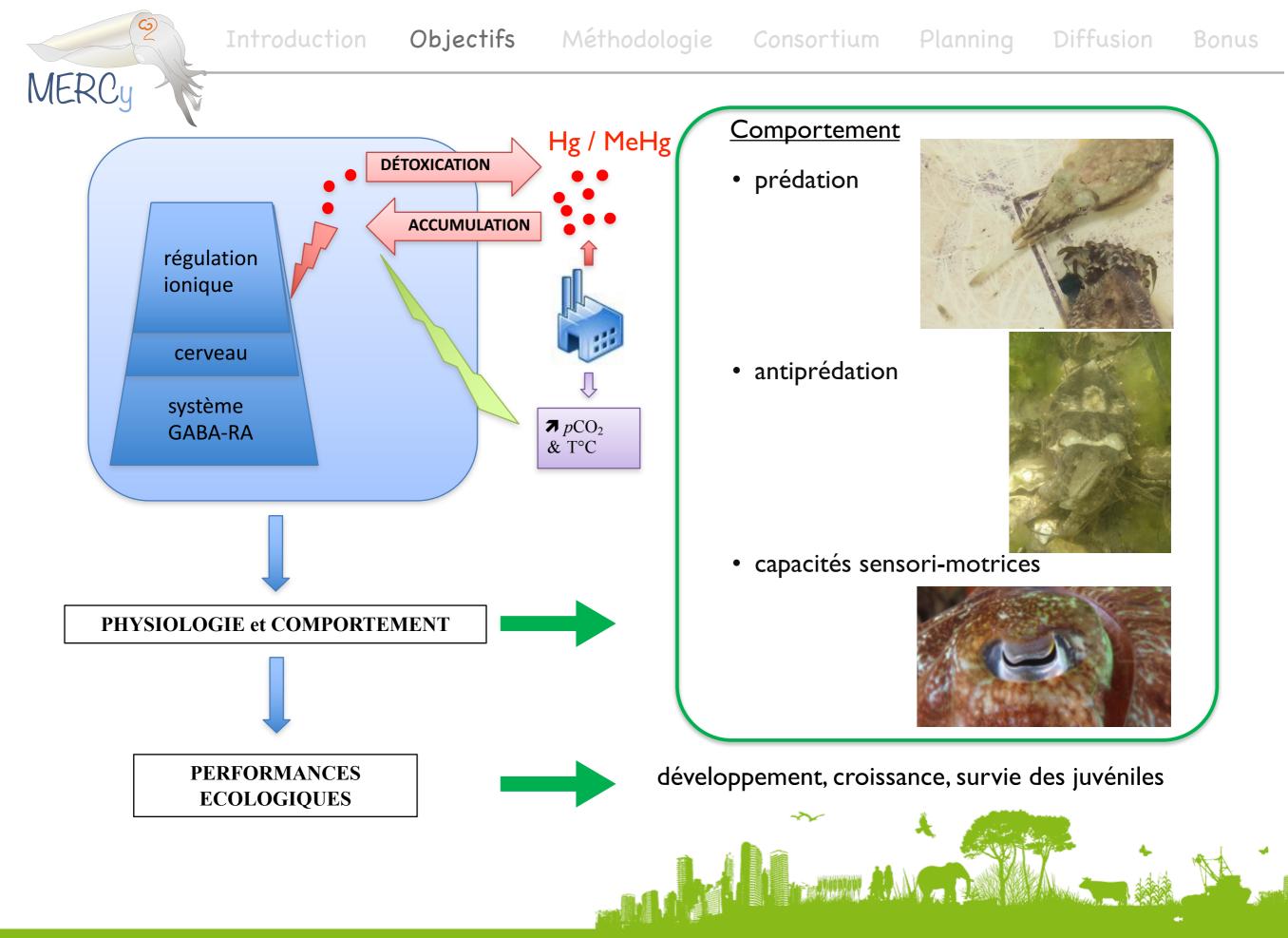
Impression cognitive

latéralisation

camouflage

prédation



















voie dissoute





















voie dissoute

voie dissoute

voie trophique



















voie dissoute

voie dissoute

voie trophique

métabolisme (consommation O2)

expression de gène























voie dissoute

voie dissoute

voie trophique

métabolisme (consommation O2)

métabolisme (consommation O₂)

expression de gène

croissance, survie

comportement





















voie dissoute

voie dissoute

voie trophique

métabolisme (consommation O2)

métabolisme (consommation O₂)

expression de gène

comportement

*p*CO₂ = 400 ppm et 900 ppm

iHg = $1 \mu g.l^{-1}$ / MeHg = $1 \mu g.l^{-1}$







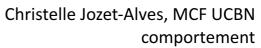






Thomas Lacoue-Labarthe, CR CNRS Écophysio-tox





Planning





Marie Vagner, CR CNRS écophysio

Eric Pante, CR CNRS génomique

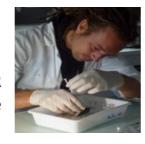


Cécile Bellanger, MCF UCBN neurobiologie



Carine Churlaud & Maud Brault-Favrou, IE et AI ULR, analyse élementaire

Emmanuel Dubillot, AI ULR élevage







Paco Bustamante, PR ULR écotox

Christel Lefrançois, MCF ULR écophysio





Marc Metian, CR IAEA-EL ecotox



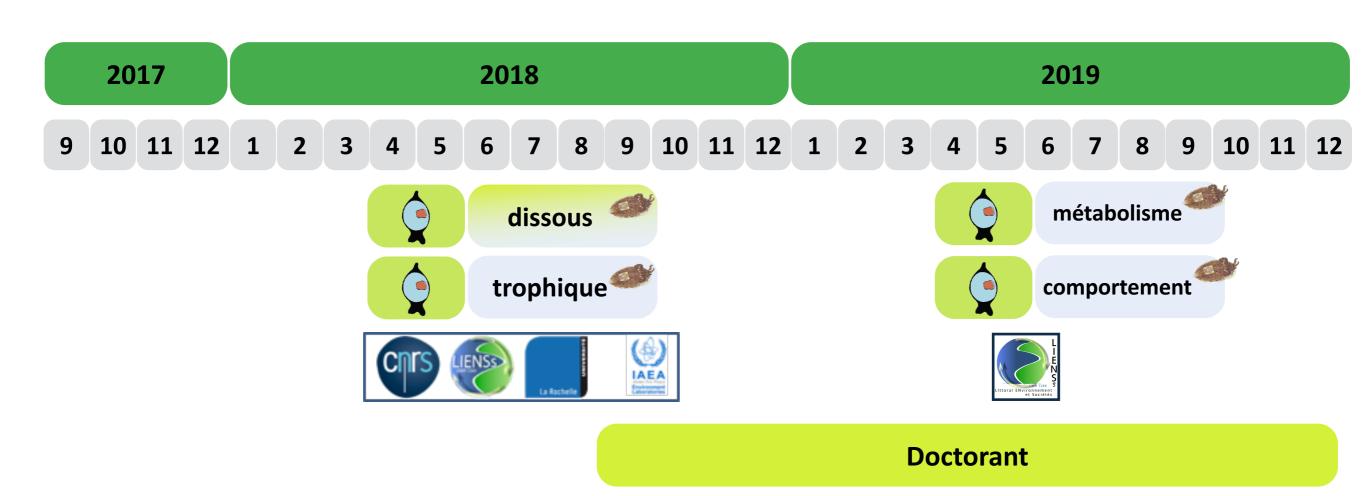
Thierry Guyot, IE ULR, communication



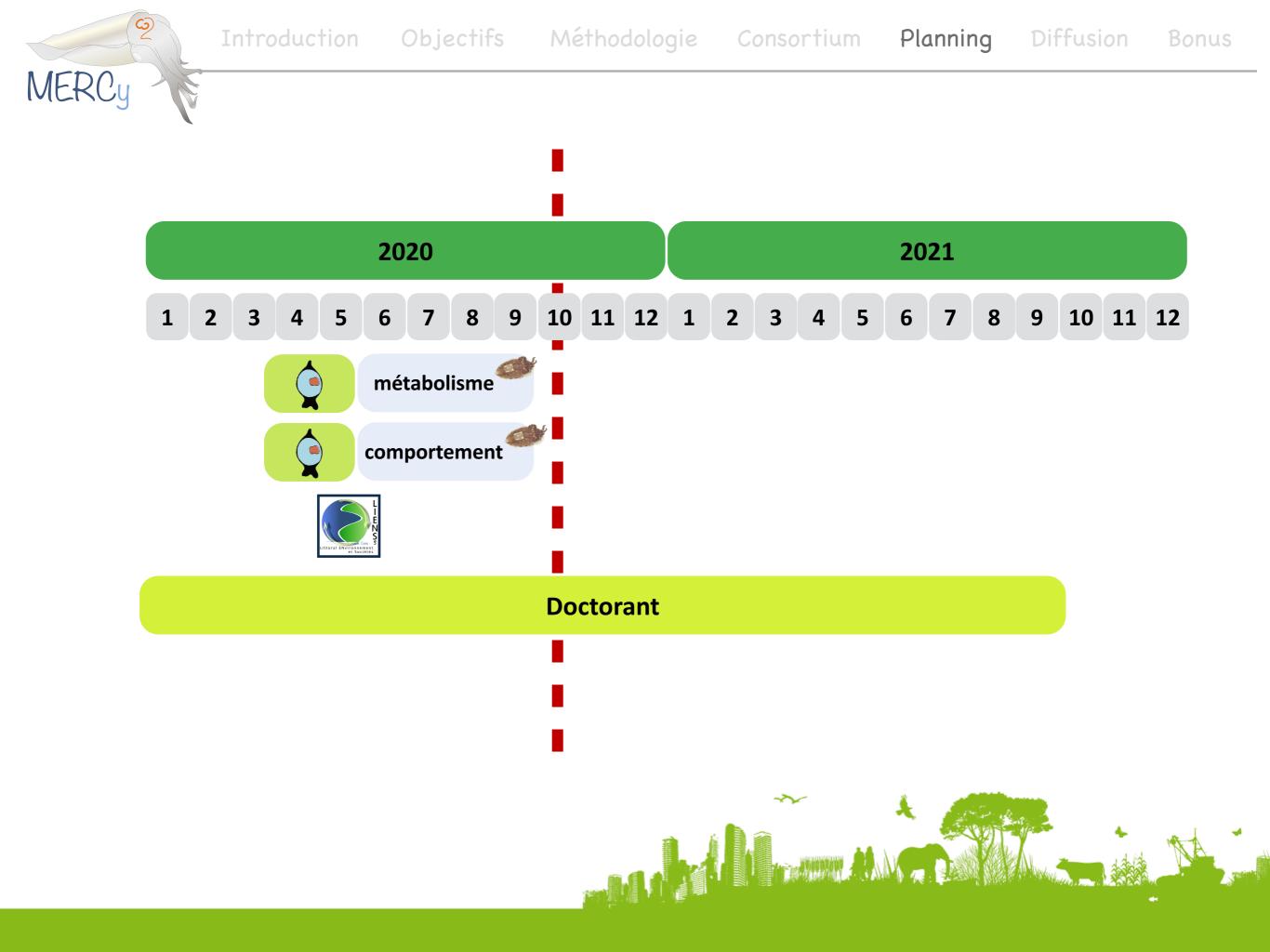














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Ecotoxicologie Aquatique Animale

media









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