



Quel avenir
pour nos poissons
migrateurs?



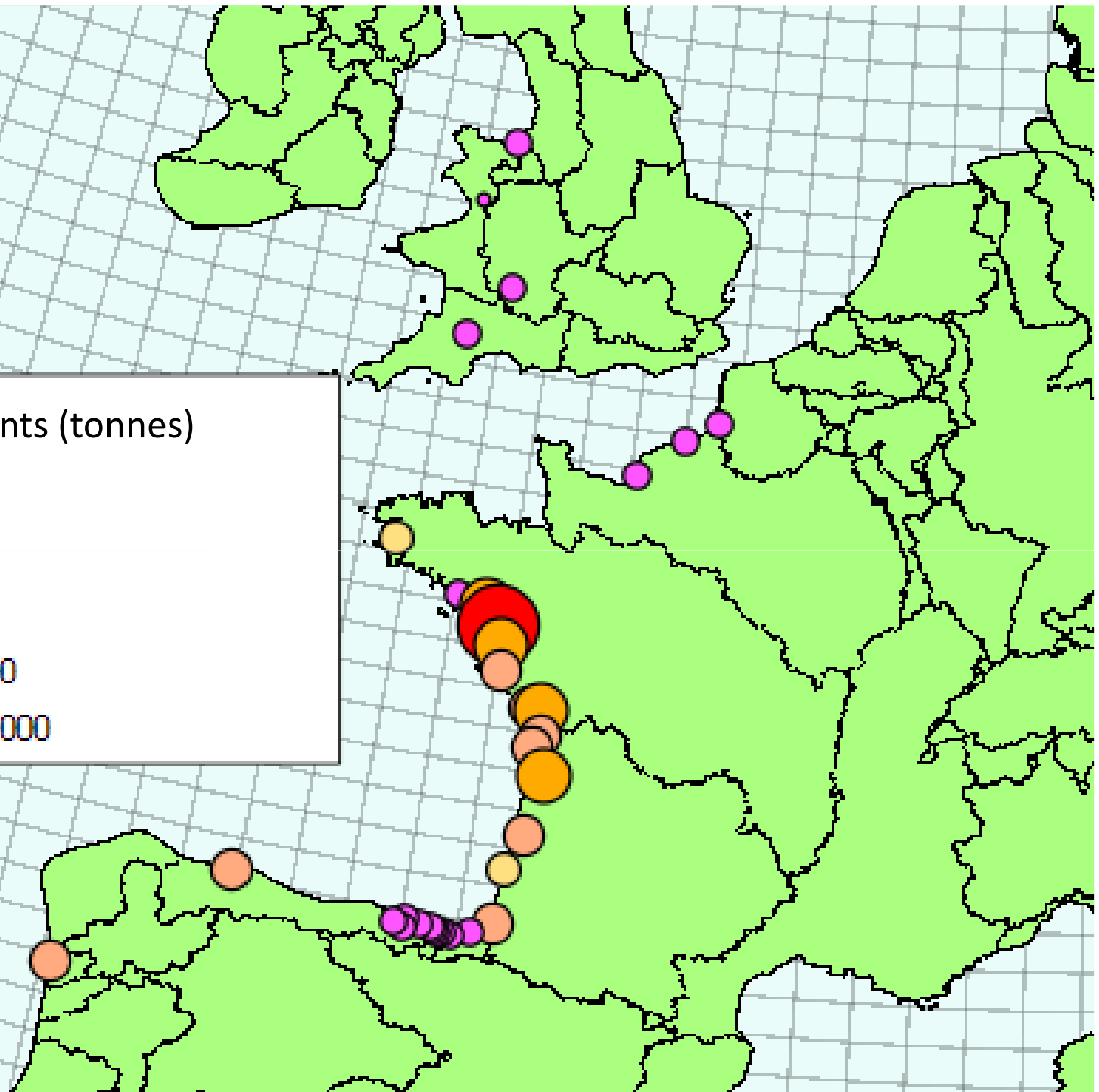
L'anguille sur le bassin versant de la Vilaine

Cédric Briand – EPTB Vilaine

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Débarquements (tonnes)
(2008)

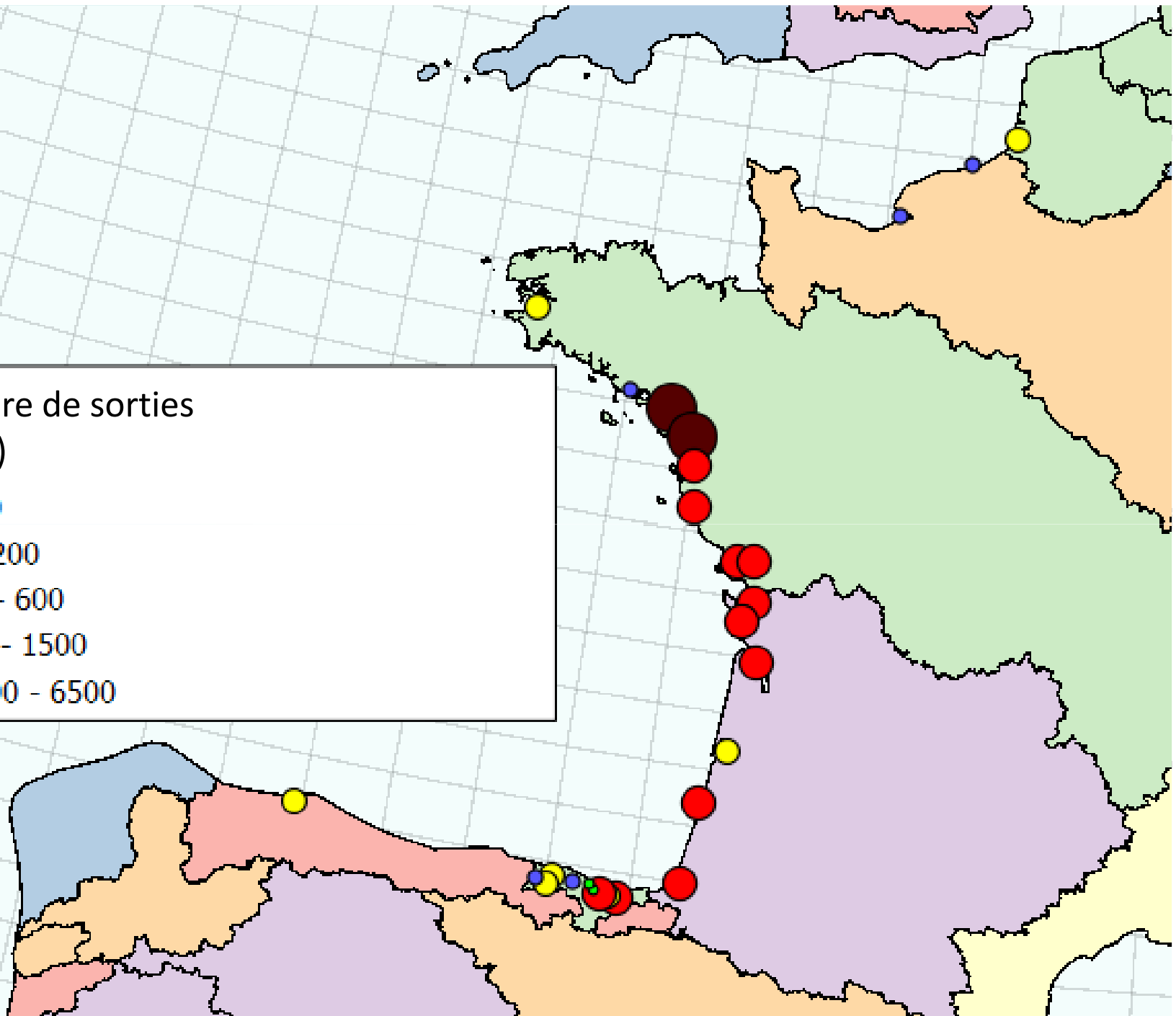


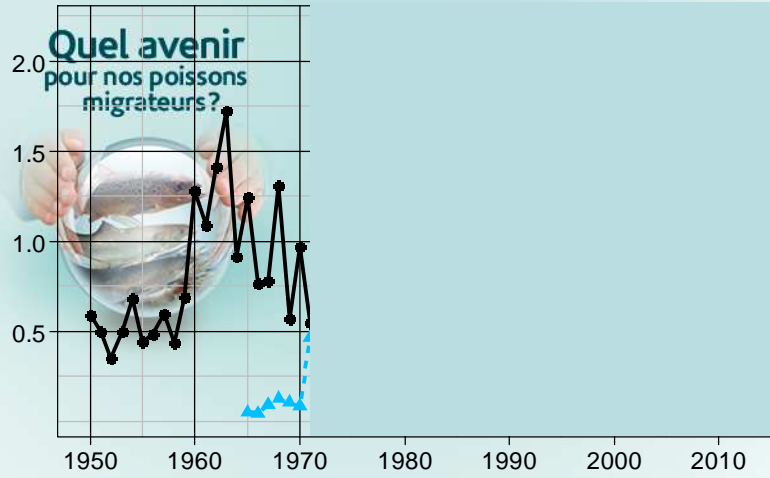
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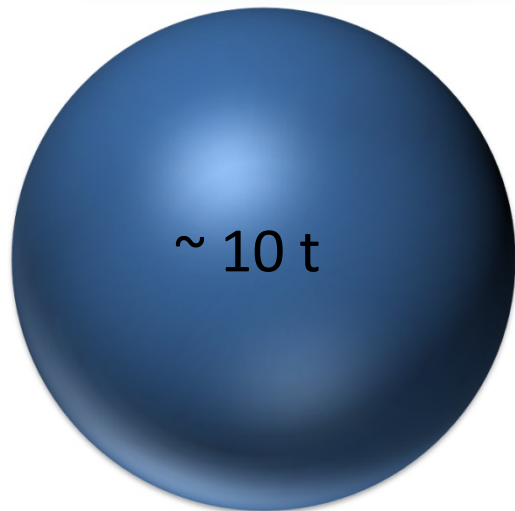
Nombre de sorties
(2008)

- 1 - 50
- 50 - 200
- 200 - 600
- 600 - 1500
- 1500 - 6500





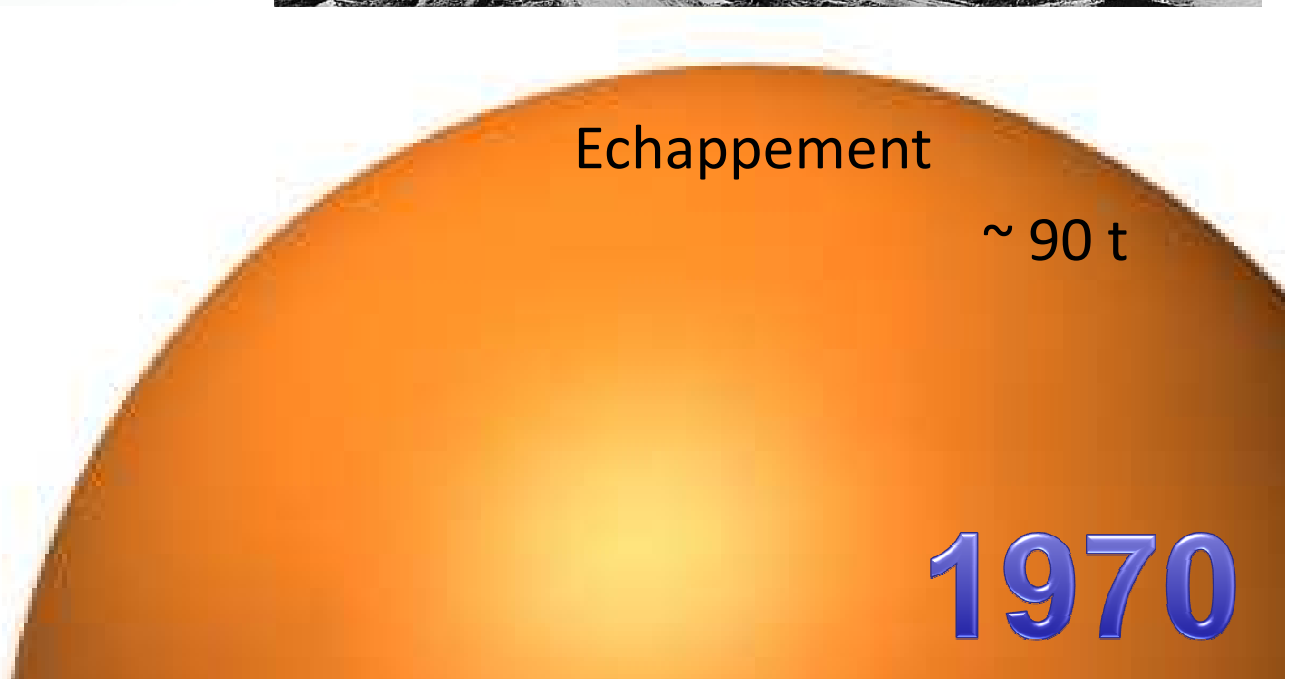
Captures

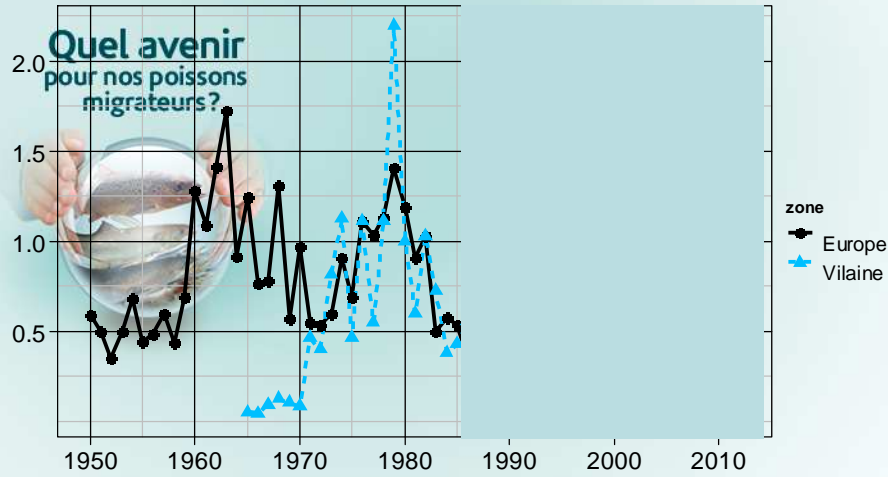


Echappement

~ 90 t

1970

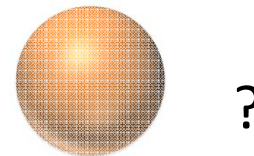




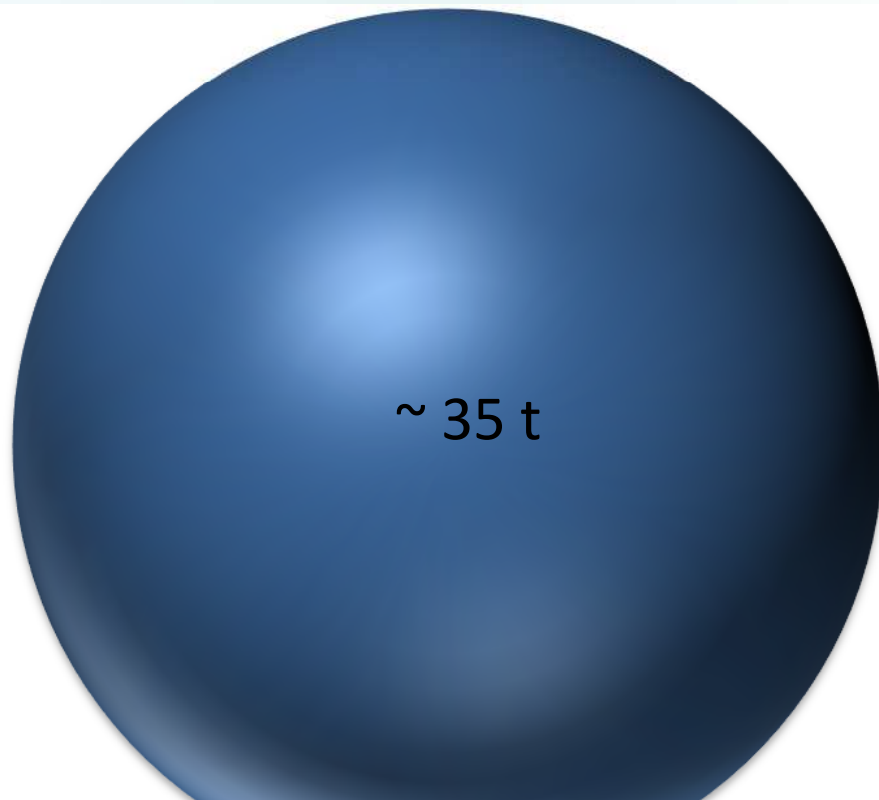
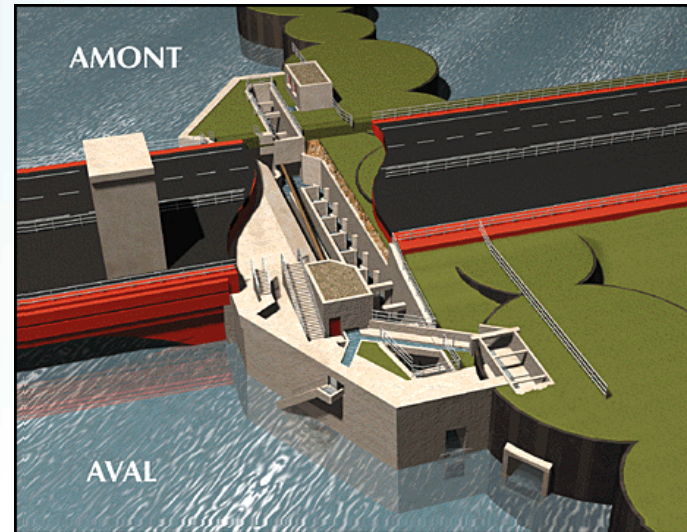
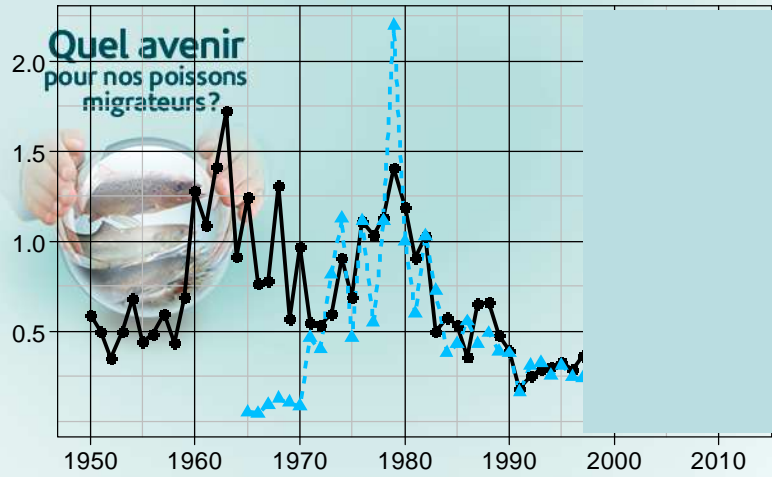
Elie et Rigaud, 1984



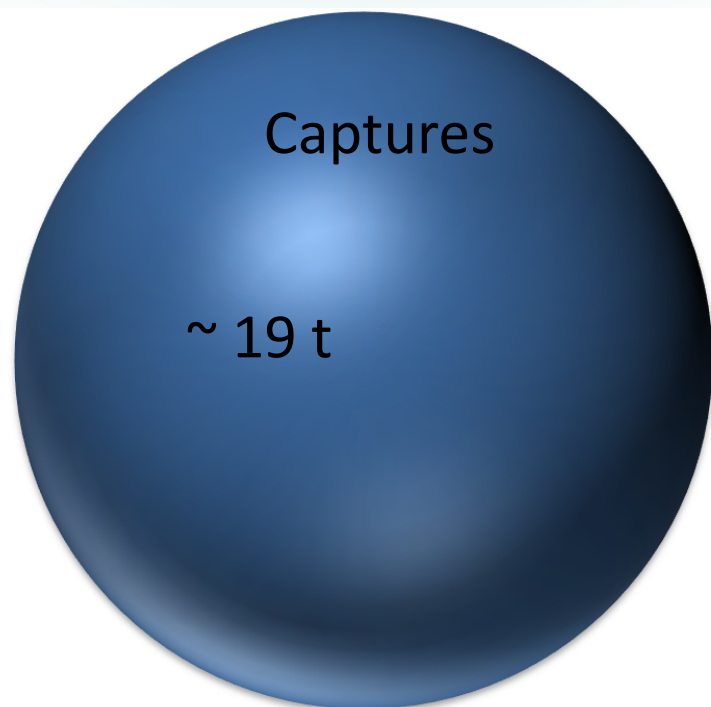
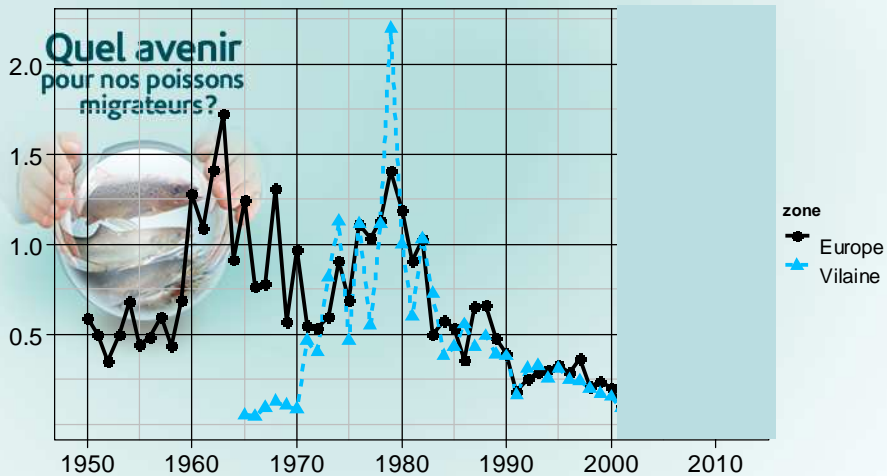
~ 50 t



1972-1984



1984-1996



1996-2000

Quel avenir pour nos poissons migrateurs?

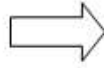


Vital dye marking

Density = 200 individual.l⁻¹



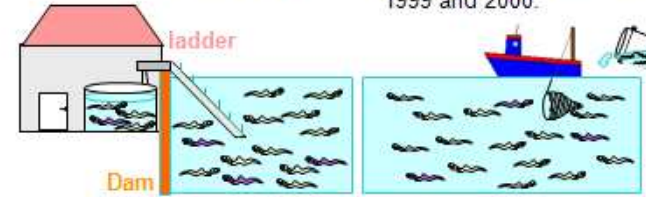
- neutral red 0.01 to 0.03 g.l⁻¹ 5 hours
- Bismark brown 0.05 g.l⁻¹ 3 hours
- rhodamine B 0.05 g.l⁻¹ 4 hours



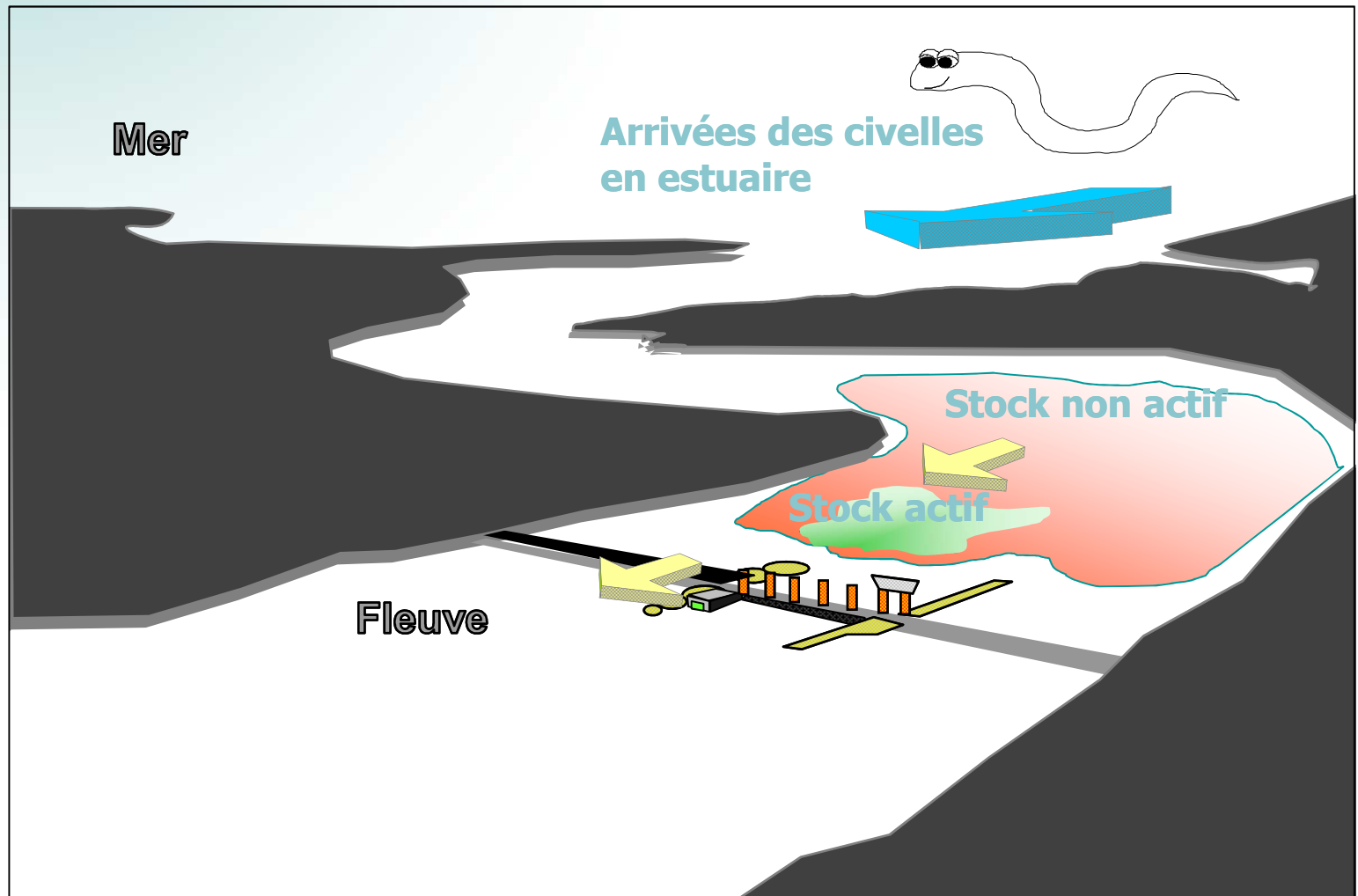
Recaptures

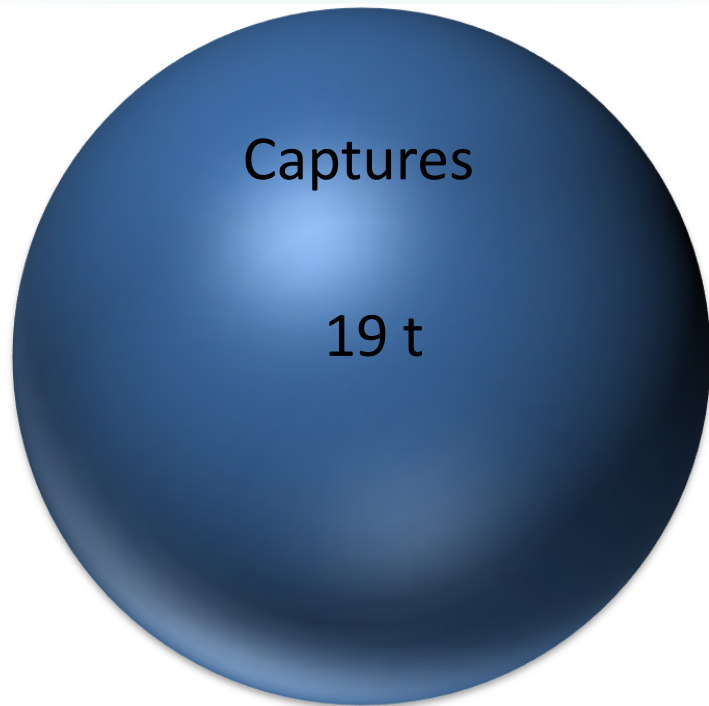
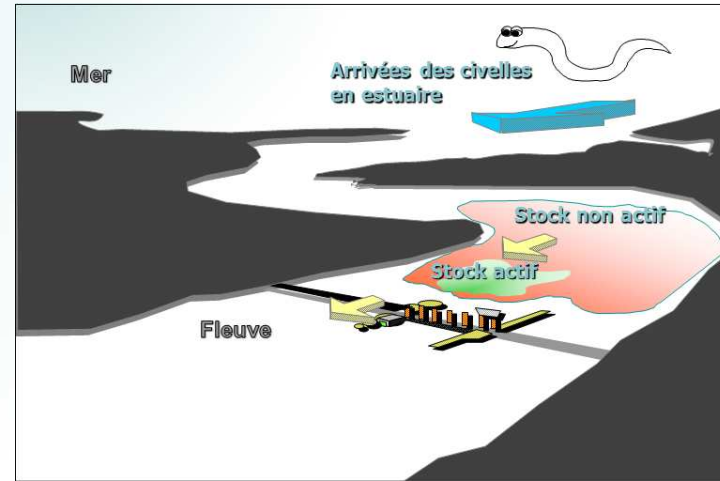
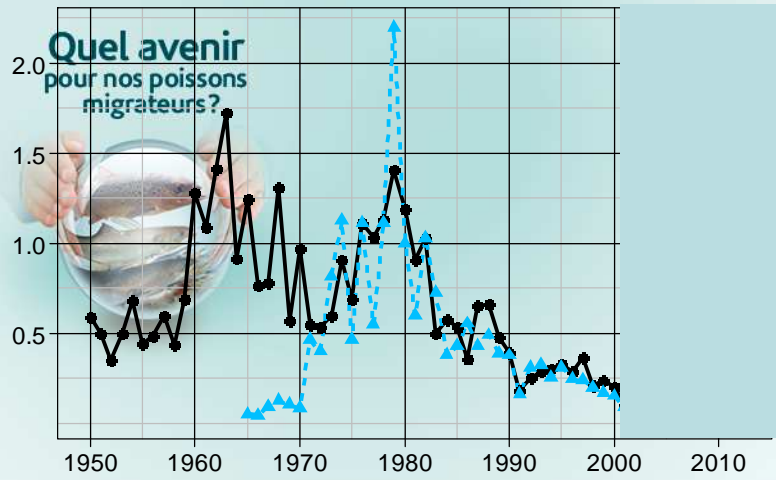
Ladder:
daily monitoring
1998 to 2000.

Estuary:
fishing operations carried out
1 hour, 3 night per week
1999 and 2000.



total on 3 years= 23 operations; 95 kg glass eel.





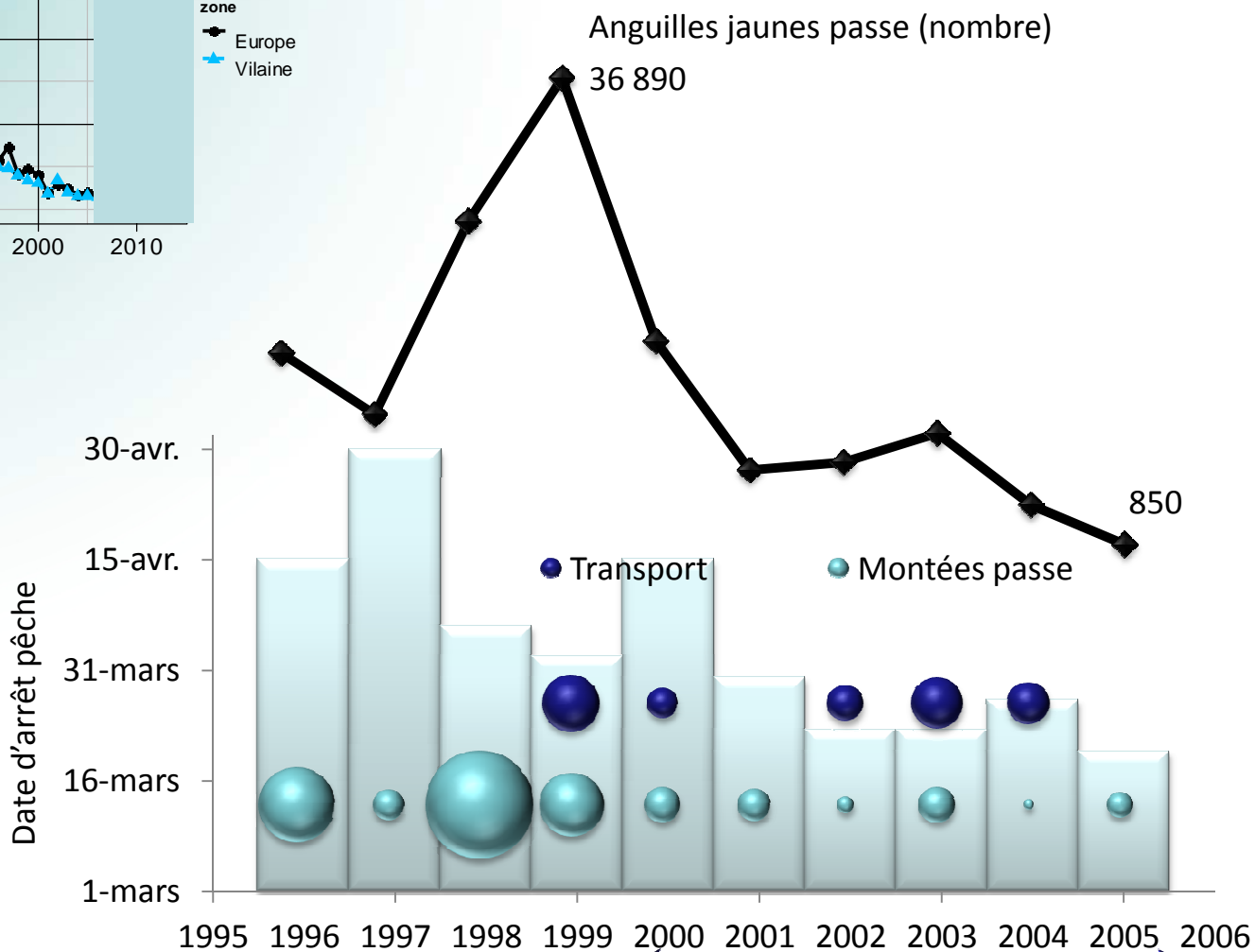
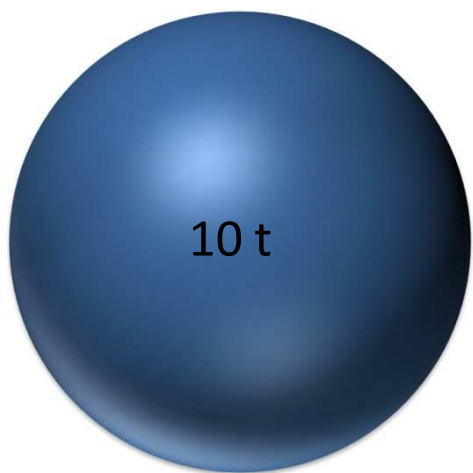
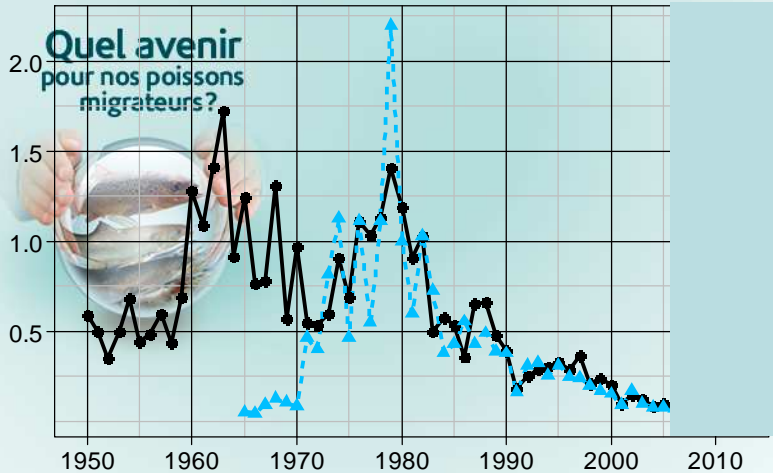
Echappement



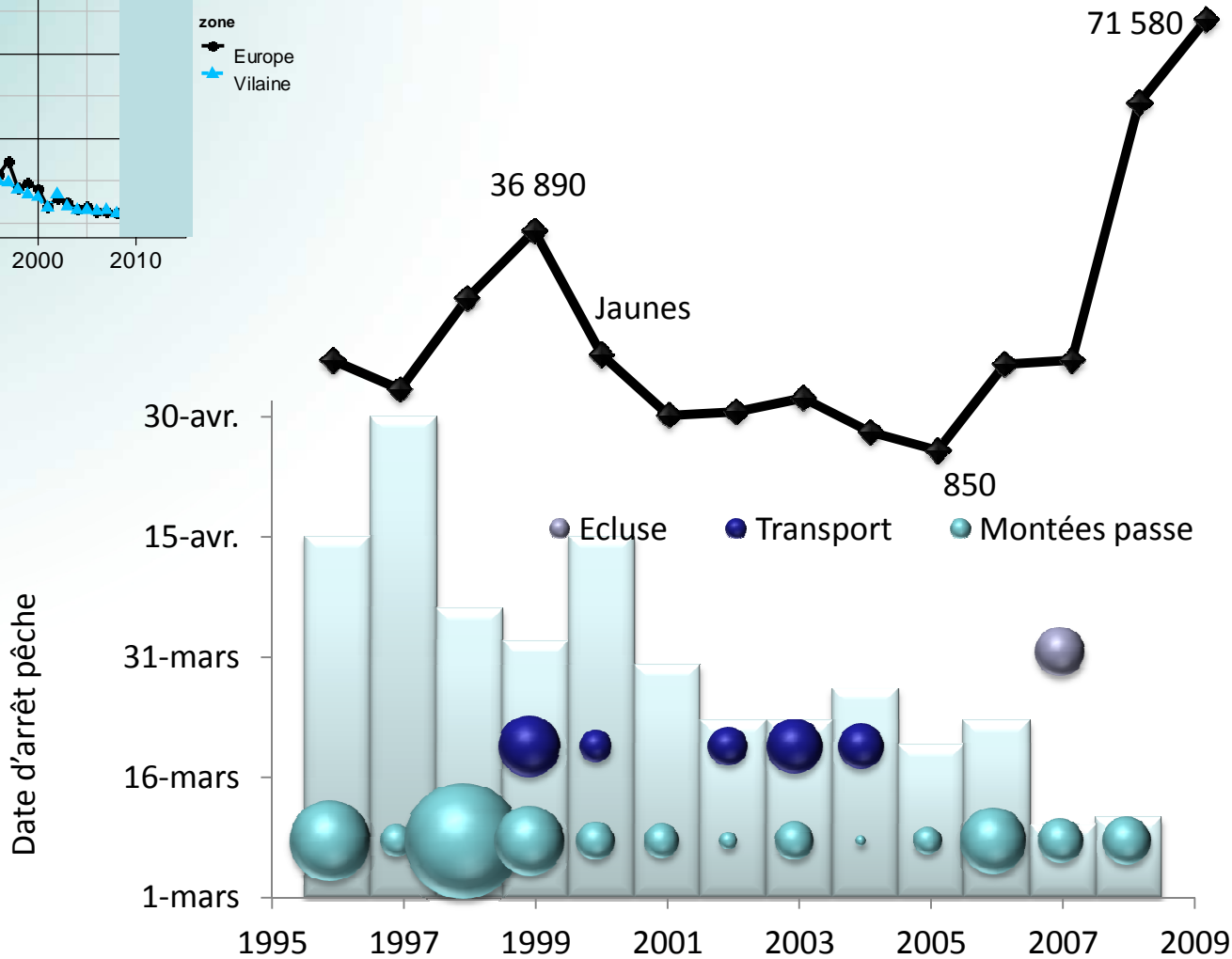
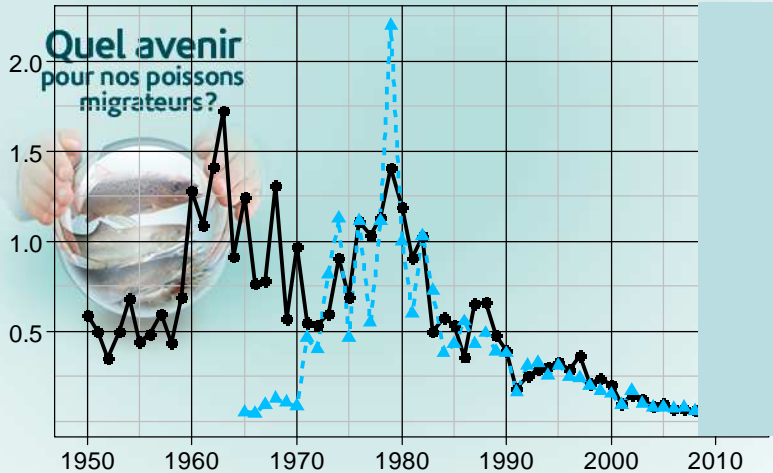
Passe

270 kg

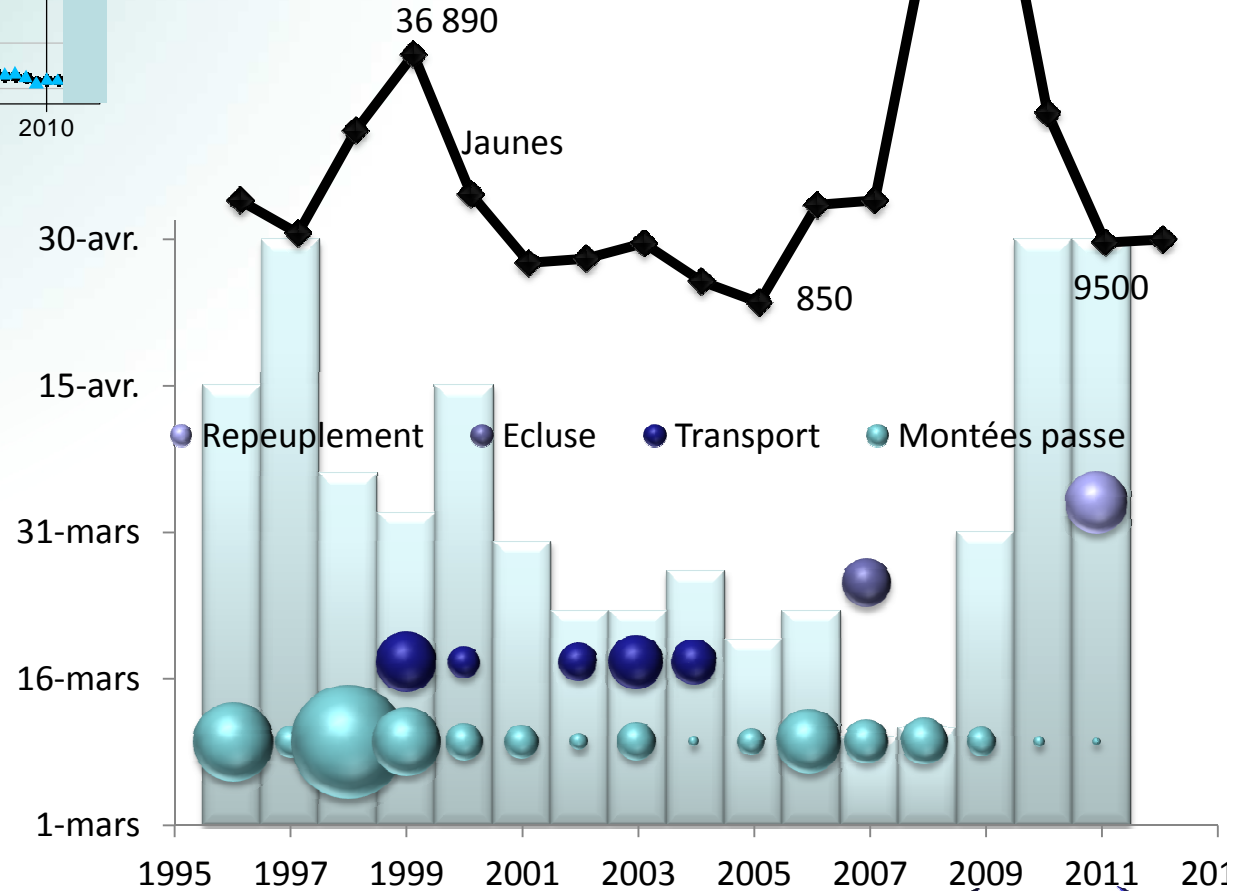
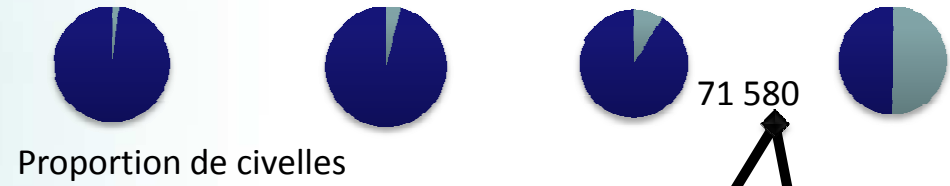
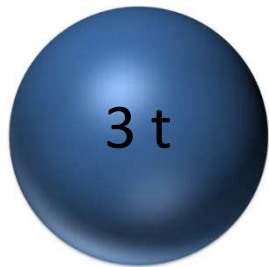
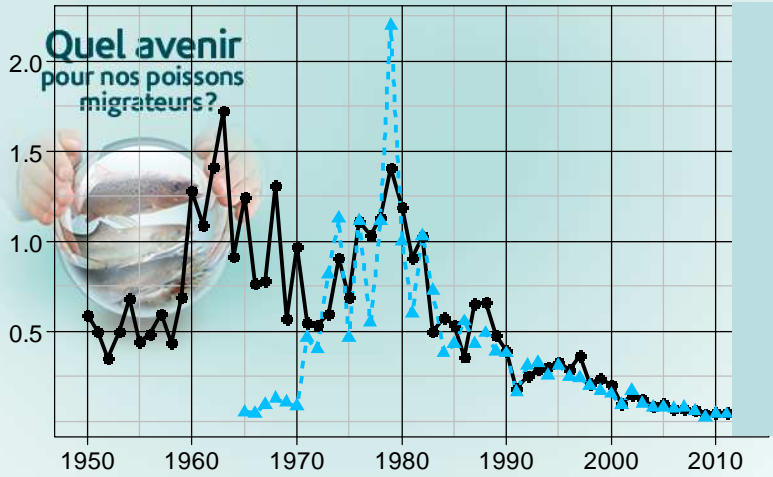
1996-2000



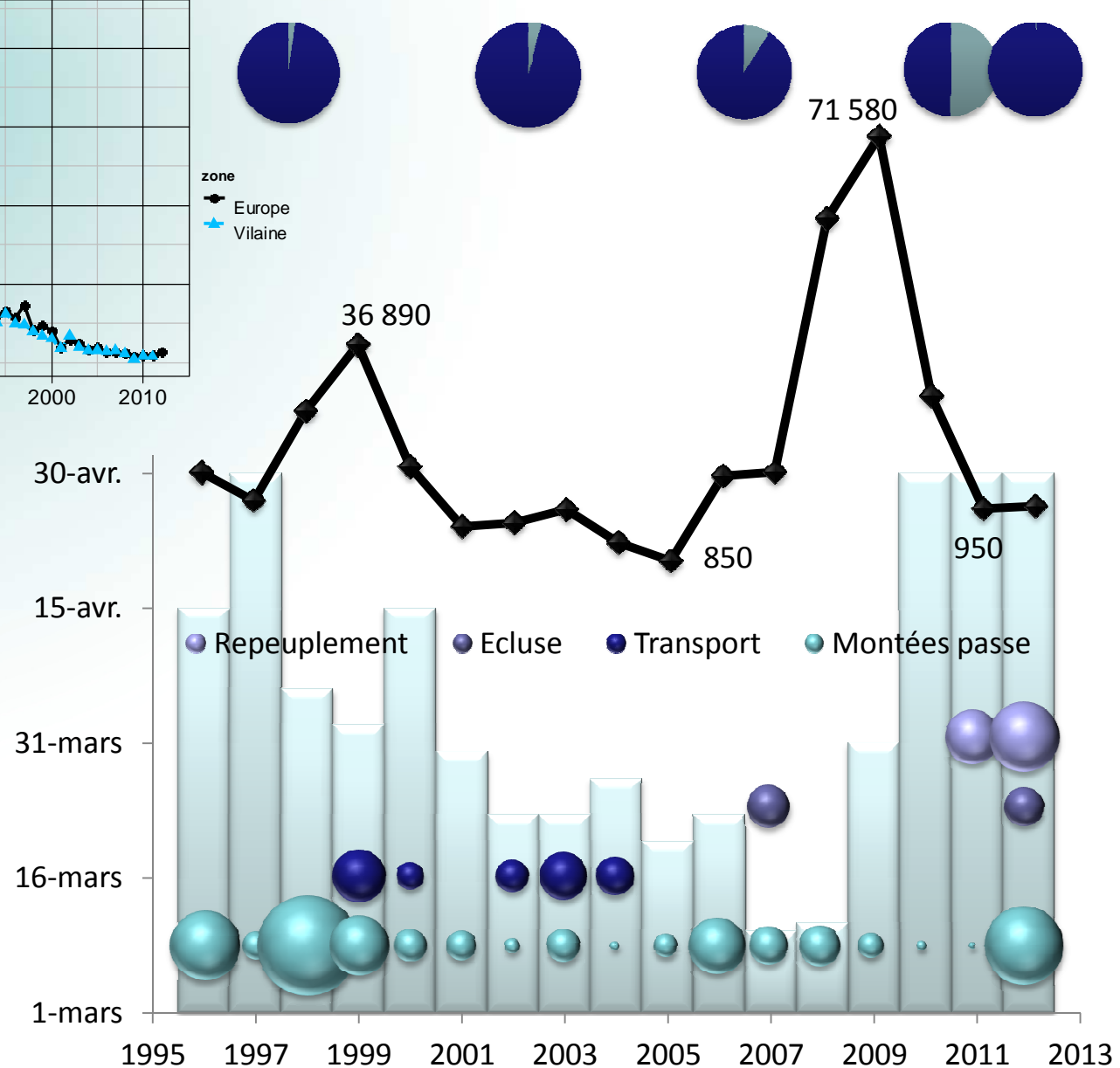
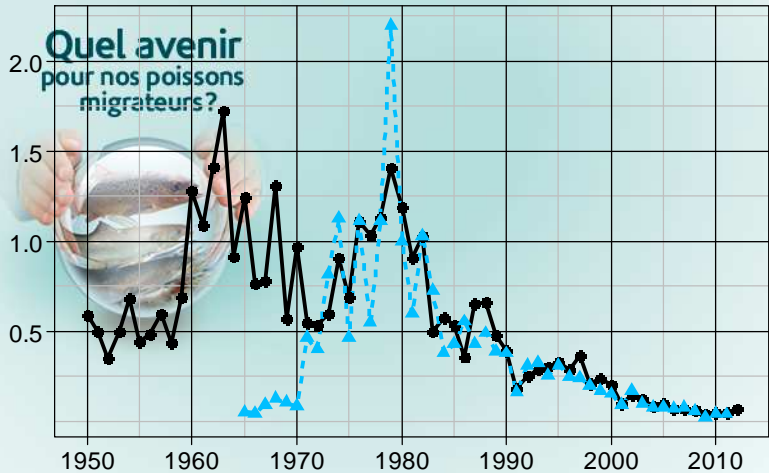
2000-2005



2006-2008



2009-2011



2012

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Conclusion



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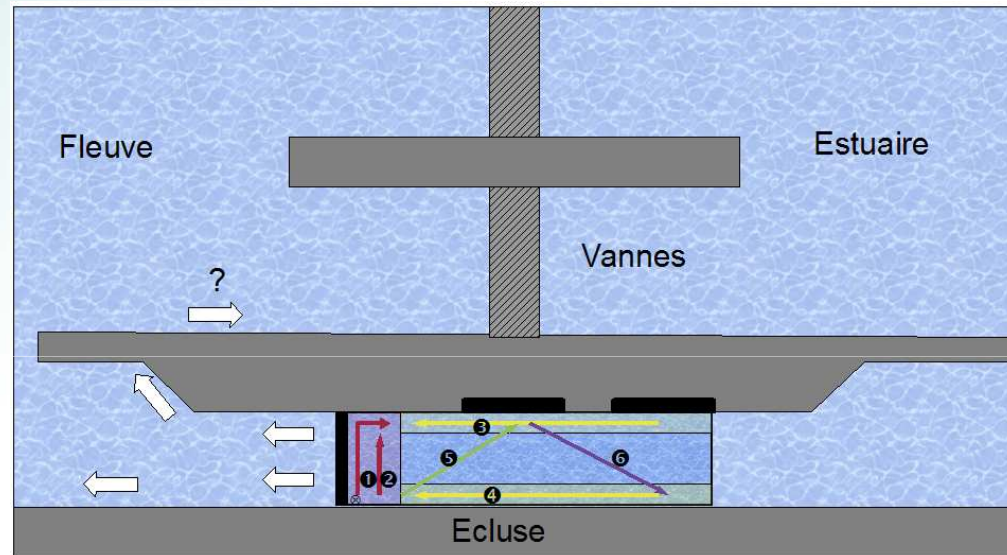


Merci pour votre attention

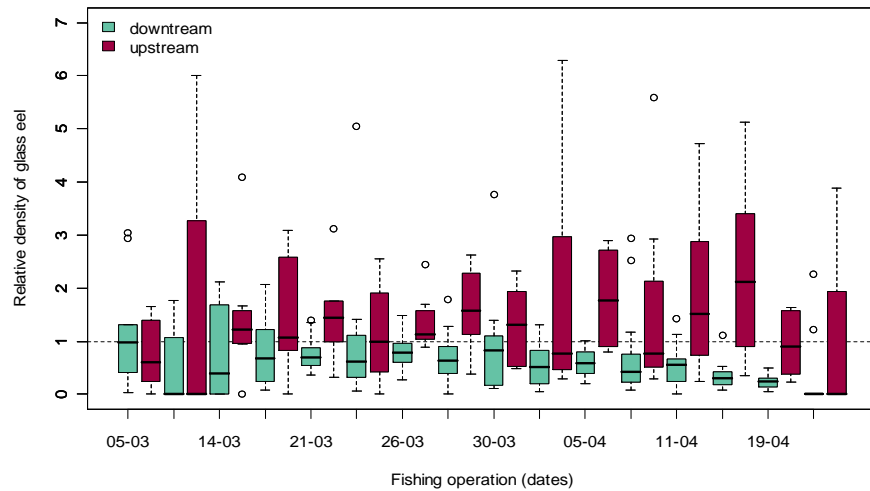
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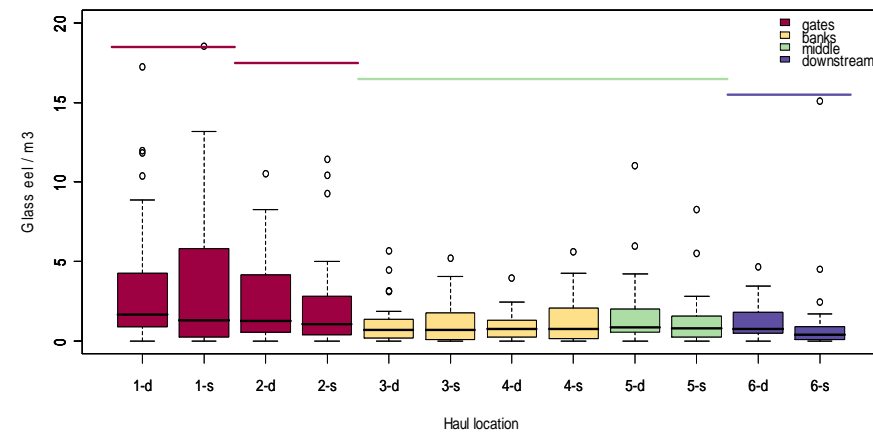
Manœuvres d'écluse



Seasonal change in the upstream accumulation of glass eel



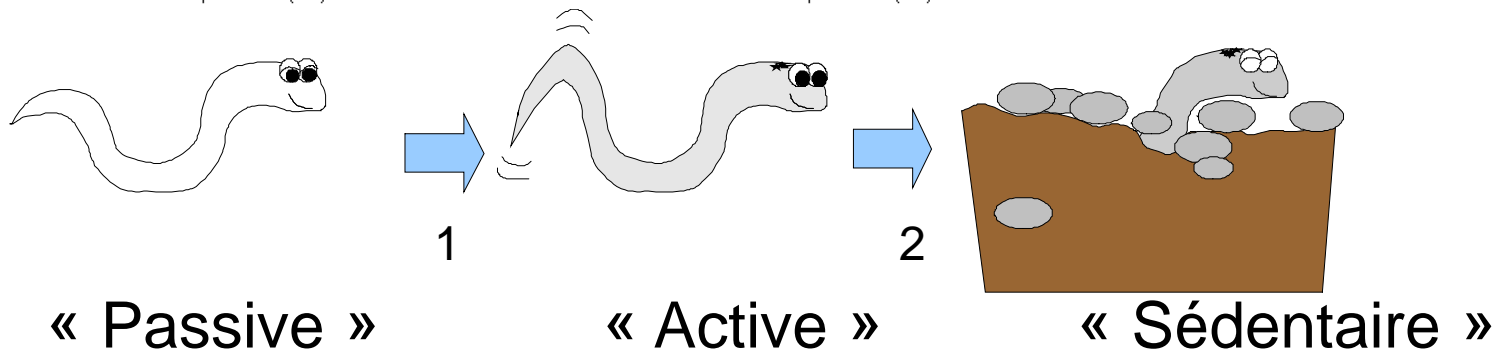
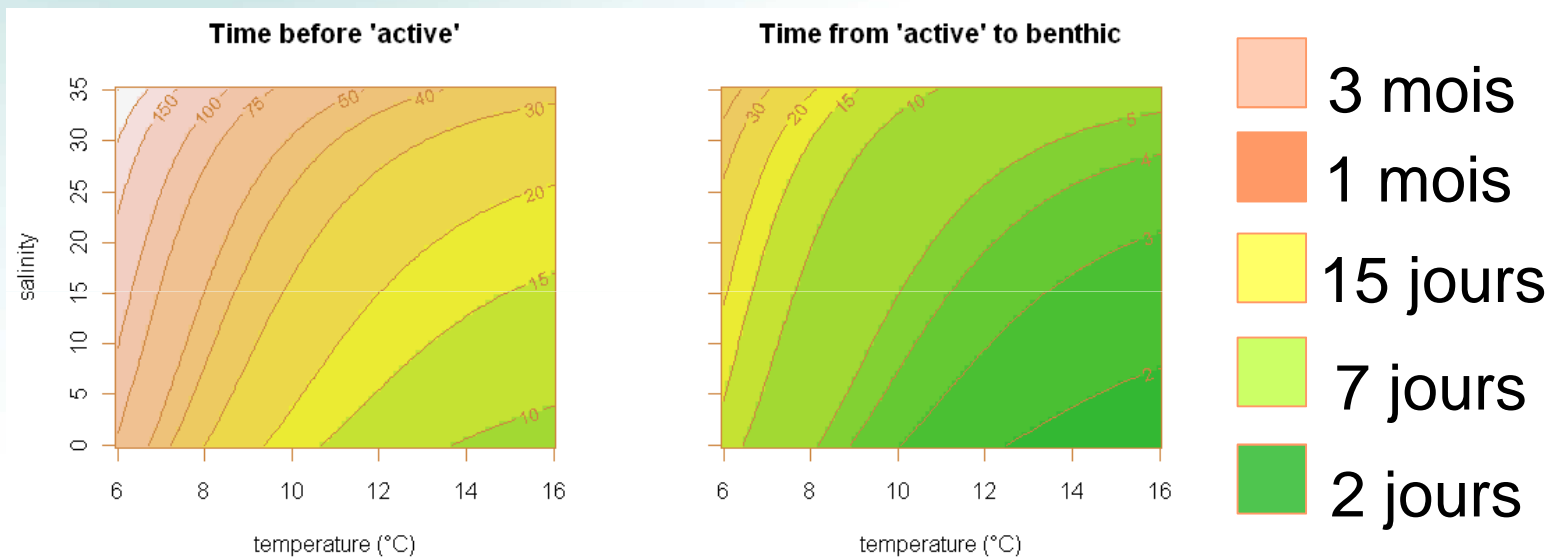
Glass eel density per haul



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Transition de comportement



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Efficacité des ouvrages de franchissement

	Recrutement	Captures pêcherie obs.	Passe obs.	Sédentarisation	Arrivées tardives	Efficacité passe	Taux d'exploitation
	kg	kg	kg	kg	kg	%	%
1995_1996	24555	22402	333	1347	2117	15.7	91.2
1996_1997	23920	22656	53	64	117	45.4	94.7
1997_1998	22962	17923	691	3007	4720	14.6	78.1
1998_1999	17022	15300	243	1099	1573	15.5	89.9
1999_2000	14907	14200	72	382	532	13.6	95.3
2000_2001	8479	8160	59	339	480	12.4	96.2
2001_2002	15989	15941	15	116	225	6.6	99.7
2002_2003	10206	9171	74	421	685	10.8	89.9
2003_2004	7435	7237	5	111	164	2.9	97.3
2004_2005	7111	7029	38	182	513	7.3	98.8

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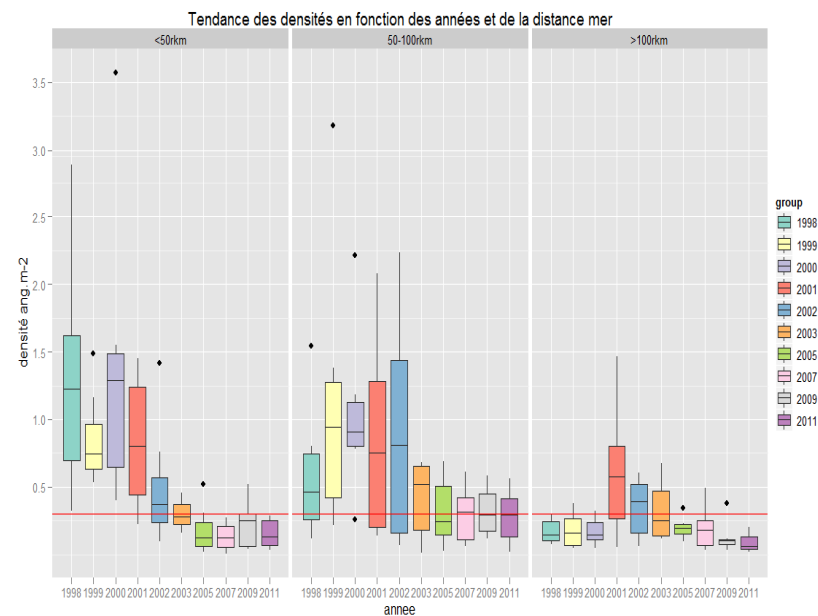
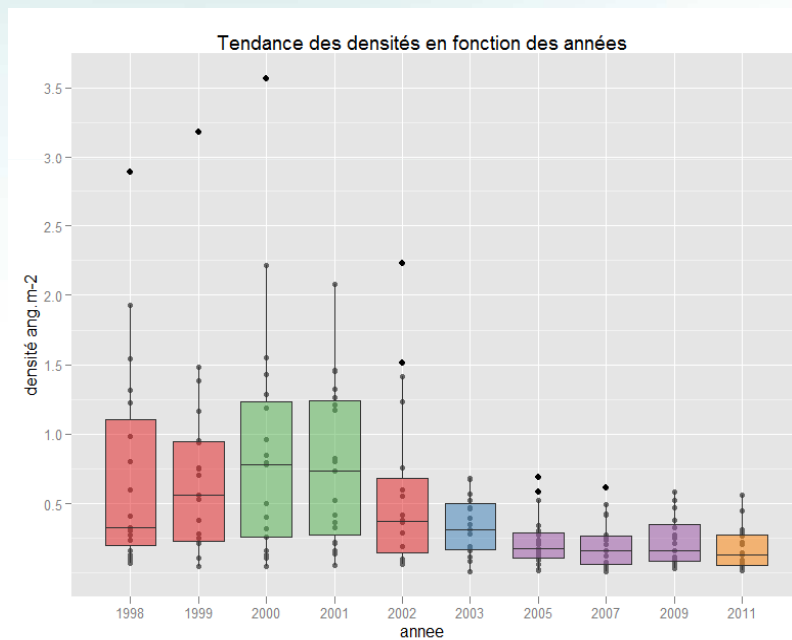
- 1-9% passe passe en 2-10 jours
- 0,2-3% avec des civelles estuariennes

Operation	Trap-trap		Trap-estuary	
	Recapture (%)	Duration (day)	Recapture (%)	Duration (day)
		1998		
NR1 21 April	8.6	7	-	-
BB 28 April	5.3	13	-	-
NR1 11 May	8.6	2	-	-
BB 14 May	1.2	15	-	-
Mean	4.4			
		1999		
NR1 12 April	5.5	5	1.2	2
NR1 23 April	4.1	3	2.3	2
BB 03 May	4.0	9	0.7	4
NR2 18 May	0.4	4	-	-
Mean	3.7		1.2	
		2000		
NR2 01 May	4.3	8	2.6	3
RB 10 May	6.3	3	0.8	2
NR2 17 May	1.6	6	3.5	1
BB 17 May	2.2	6	4.5	1
Mean	3.3		2.5	

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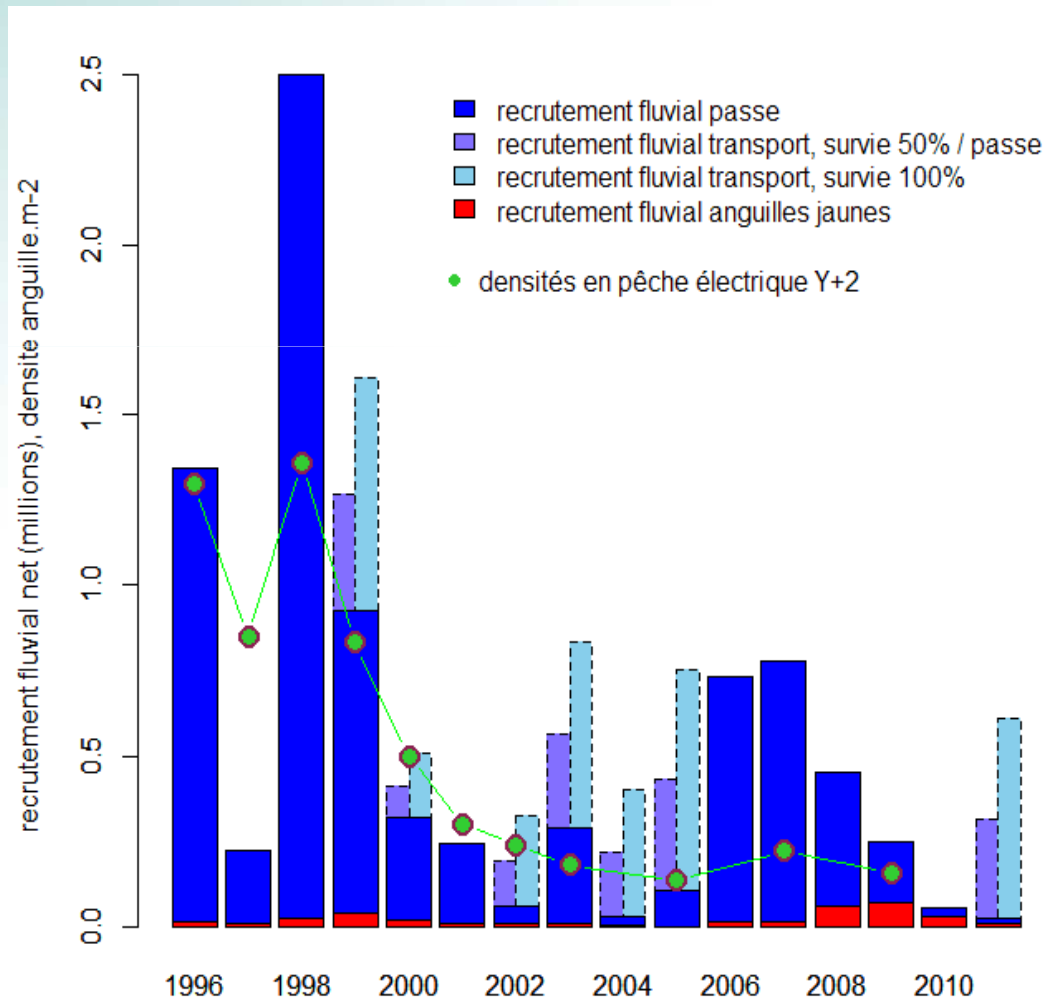
Pêches électriques



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Transport et survie

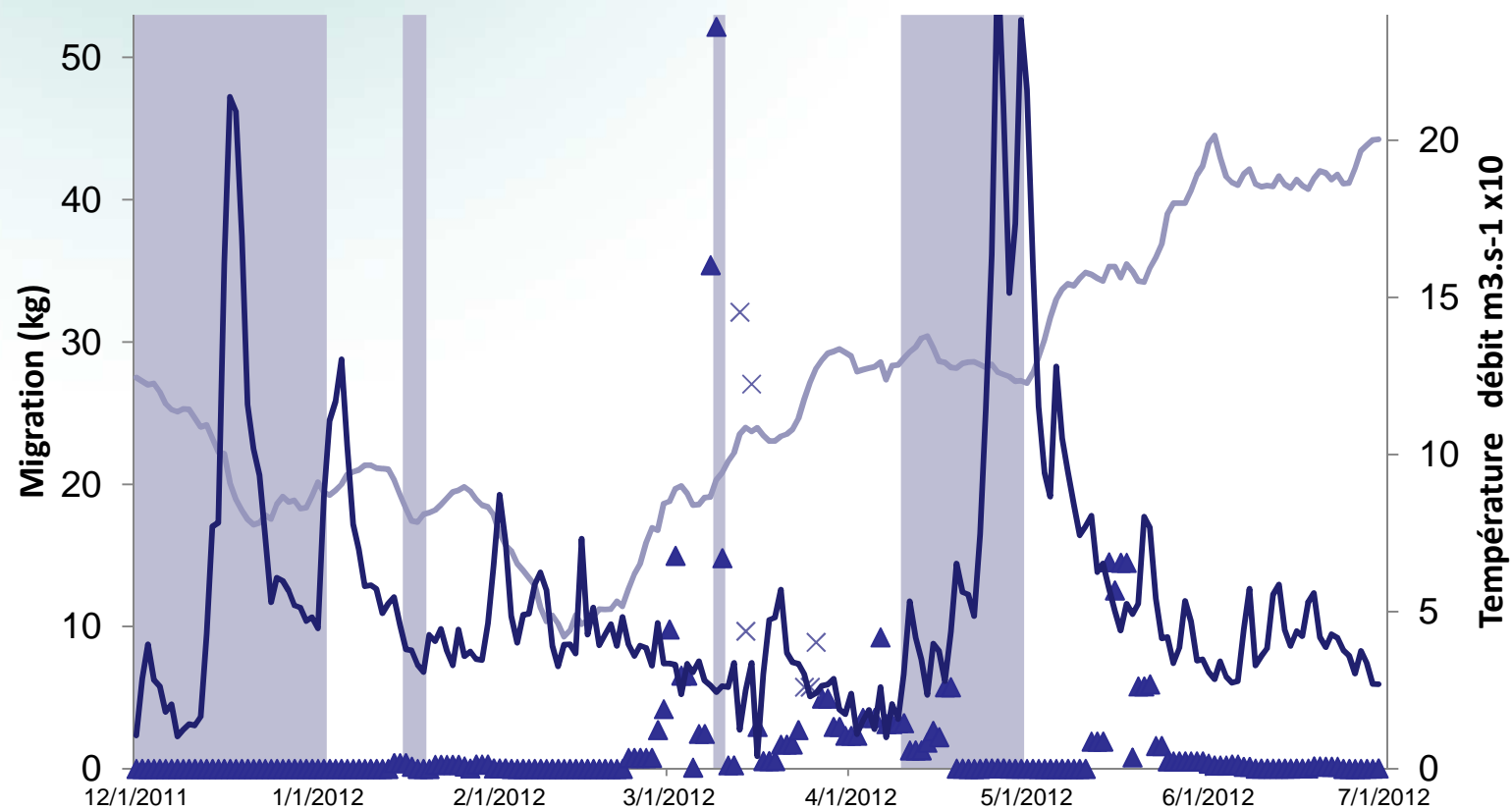


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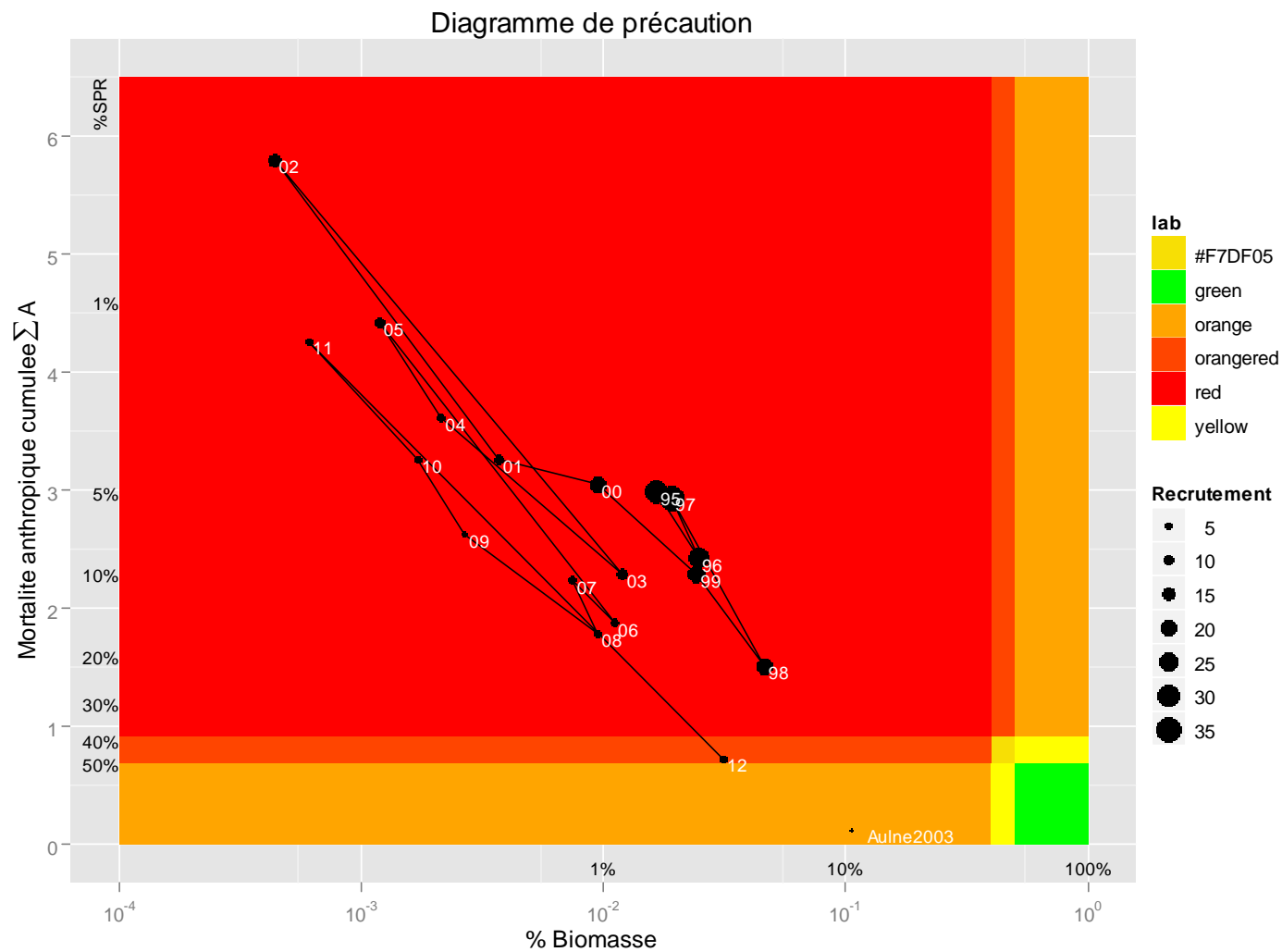
■ Pêcheerie civilière ▲ Migration totale × Migration chenal — Température estuaire — Débit Vilaine (m3/s)



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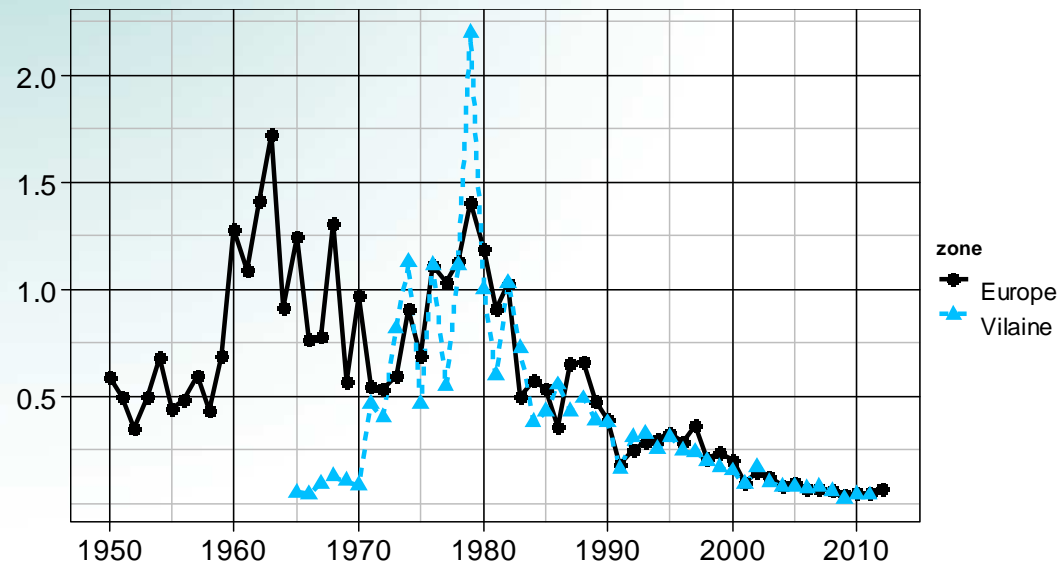
Diagramme de précaution



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Tendance des prix



8 €

100 €

240 €

330 €

380 €

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Suivi Dévalaison

