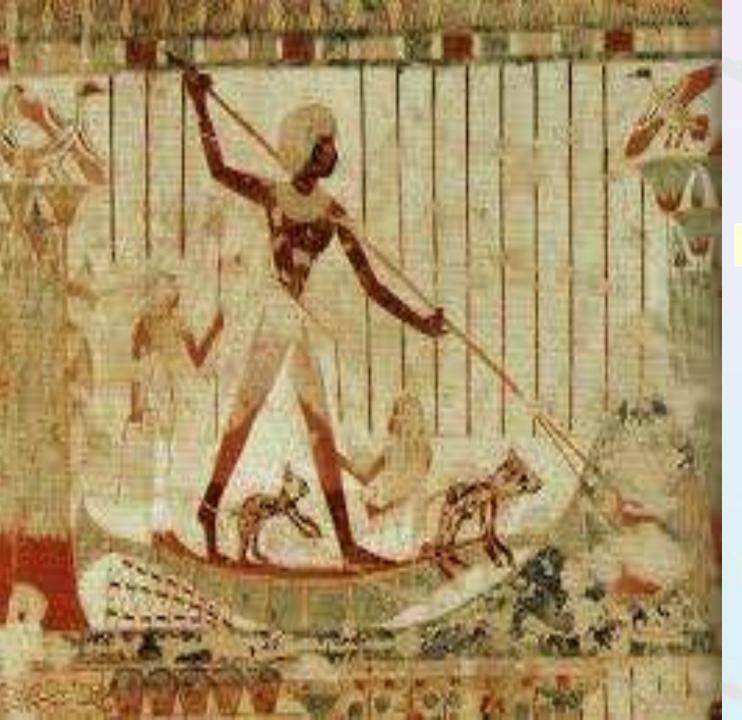


An overview and then talk around these four linked headings.....

- Context / History
- Conservation
- Communication
- Commercial





Ancient Egypt

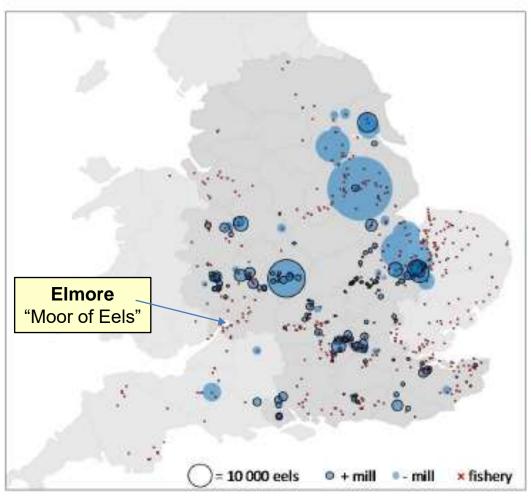




The Bayeux Tapestry

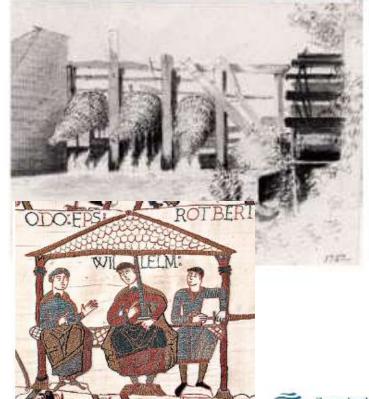


Domesday book 1086



225 fisheries, tax 400 000 eels, ≈ 200 t + 400 fisheries, tax in cash, ? 300 t Today: 39 t





Eel Group







A Great Tradition

Domesday book 1086



13,000
Fishermen in
1993 (Moriarty)
Today 10,000
people sector
and £500m

umum upic orgnount figurm

An overview and then talk around these four linked headings.....

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Recognise the big issues like.....

Hemispheric Scale

Many nations involved so many vested interests **One Single Stock**

Complex Life Cycle

Difficult/costly to understand study, measure No Golden Bullet

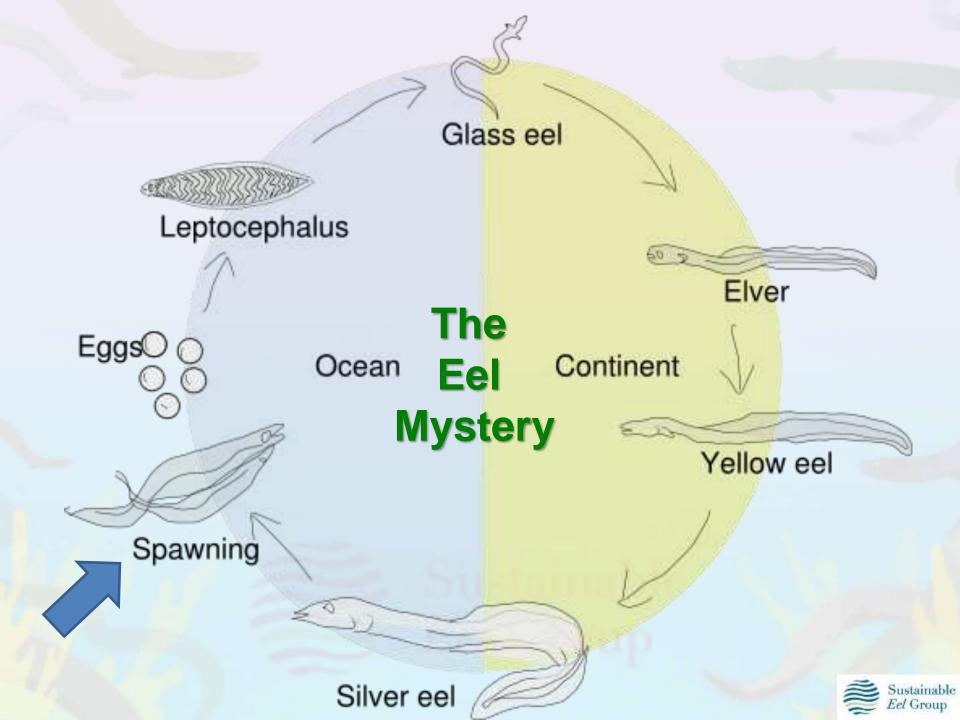
Historic Abundance

Commercial exploitation
Competition and Conflict

Greed & Ignorance

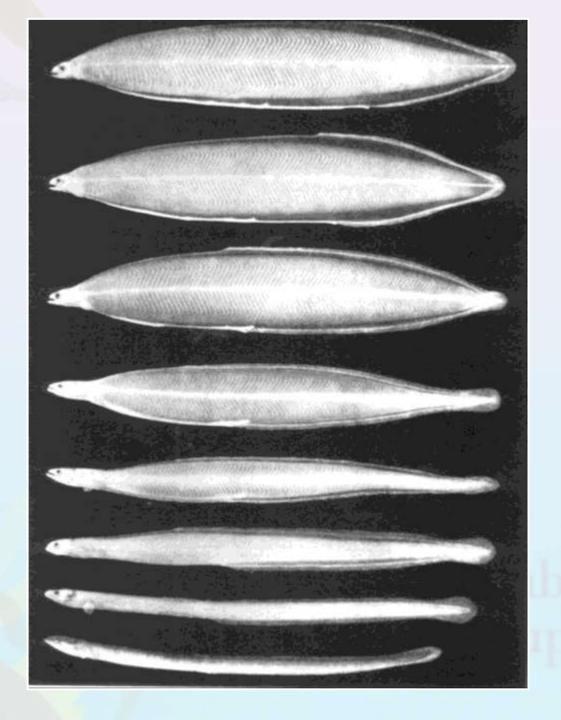








Extensive studies and scientific trials have taken place in Japan & Europe in attempts to breed the Japanese Pacific eel in captivity – no one has seen reproduction in the wild

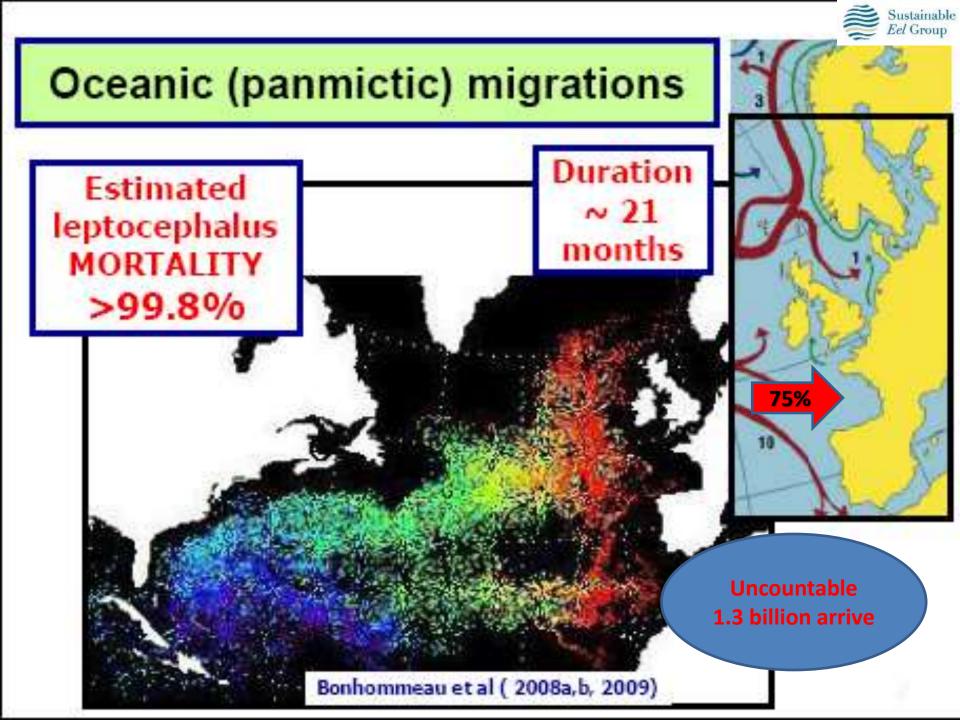


drift



swim













- Growth rates
- Range
- Sex Determination
- Age





LOTS OF FACTORS

- Habitat Loss
- Migration Barriers
- Oceanic / Climate Change
- Hydropower & Water Pumps
- Over Fishing and Trafficking
- Disease and Pollution







Sustainability and Eel



Eel Reg 1100/2007





The SEG Standard

SEG Leading Recovery through Protection and Sustainable use





Wetlands are the ideal nursery habitat and over the last 2000 years 85% has been lost. Most of this recently.



WWF State of the Planet Report

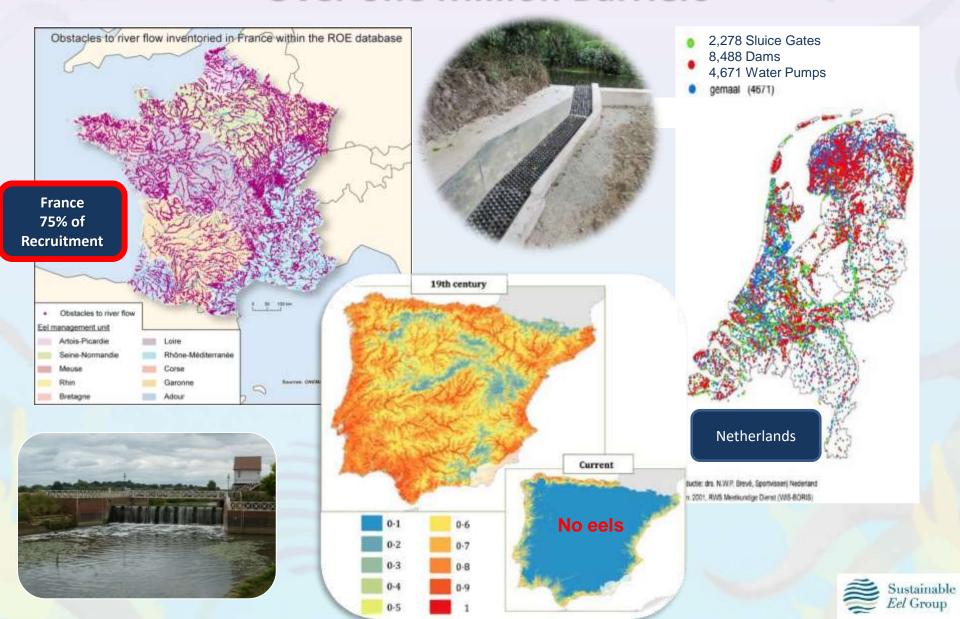


Authors Chris Baker (Wetlands International), Stefanie Deinet (Zoological Society of London - ZSL), Robin Freeman (Zoological Society of London - ZSL), Guenther Grill (McGill University), Richard Holland (Wetlands International), Bernhard Lehner (McGill University), Jane Madgwick (Wetlands International), Valentina Marconi (Zoological Society of London - ZSL), Louise McRae (Zoological Society of London - ZSL), Jeff Opperman (WWF-International), Stuart Orr (WWF-International), Thomas Pienkowski (Oxford University), Jamie Pittock (Australian National University), Kate Scott-Gatty (Zoological Society of London - ZSL), Michele Thieme (WWF-US), Dave Tickner (WWF-UK), Sarah Whitmee (Oxford University)





Help Eels to migrate 'Get In and Out' Over one Million Barriers







The Unlocking the Severn Project









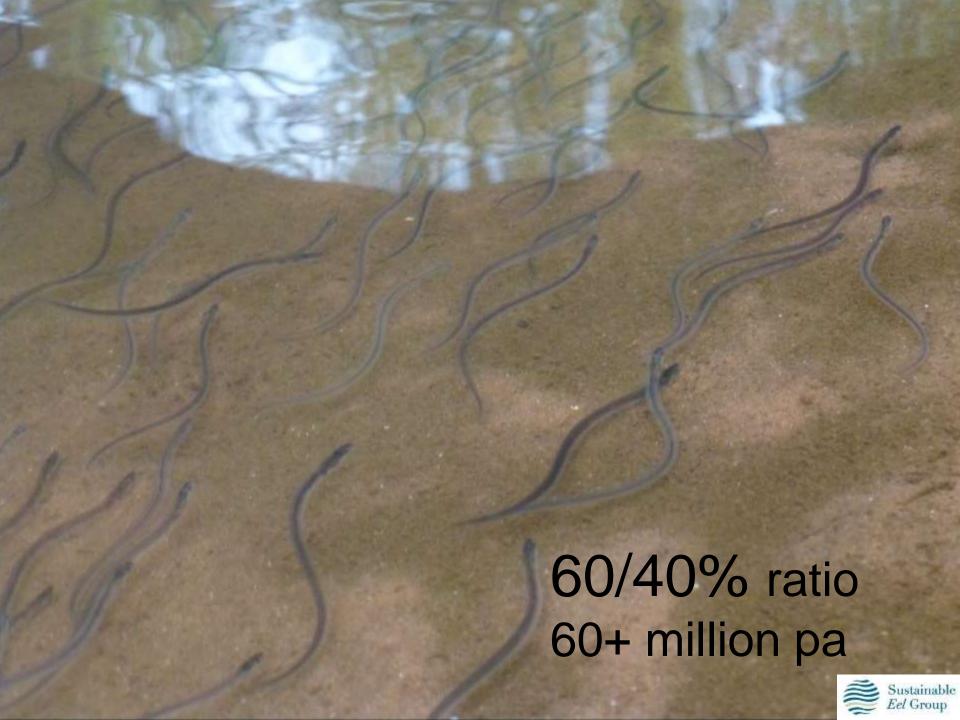
Turbine Mortality



Screening Solutions Thames Water







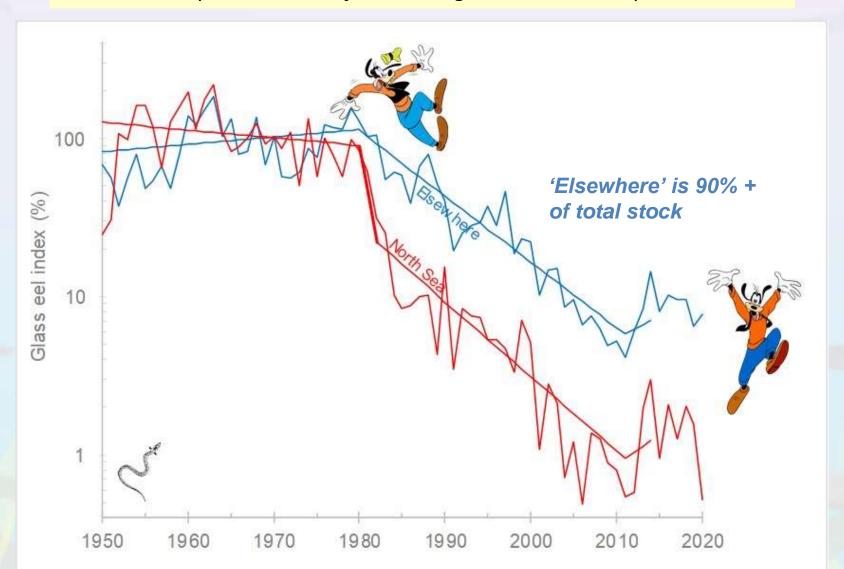




W Dekker, November 2020

"Recruitment has stopped decreasing in 2011, and remains very low since.

The implementation of the Eel Regulation can be improved!





Talk around these four linked headings......

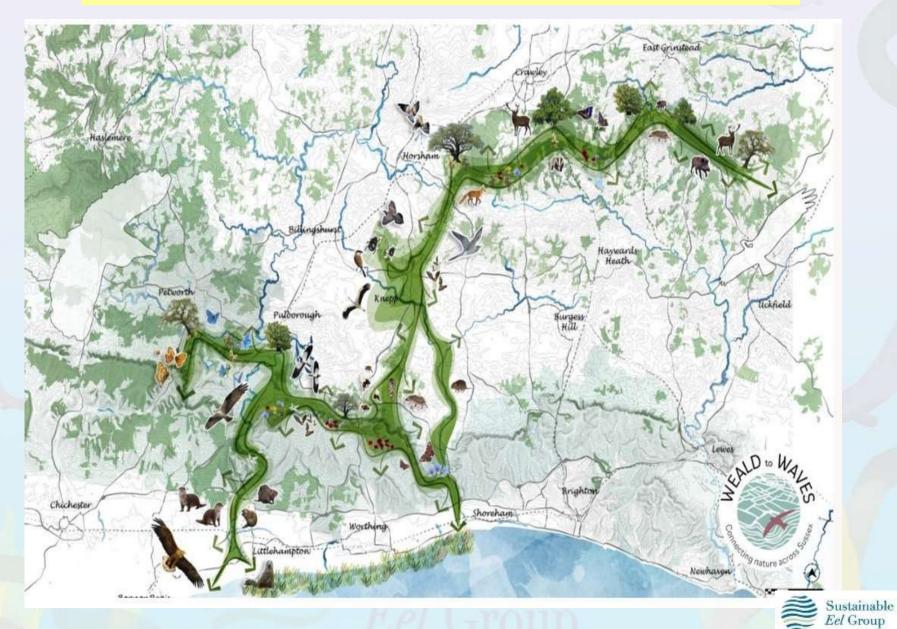
- Context / History
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Wilding with Knepp Estate on the river Adur next few years

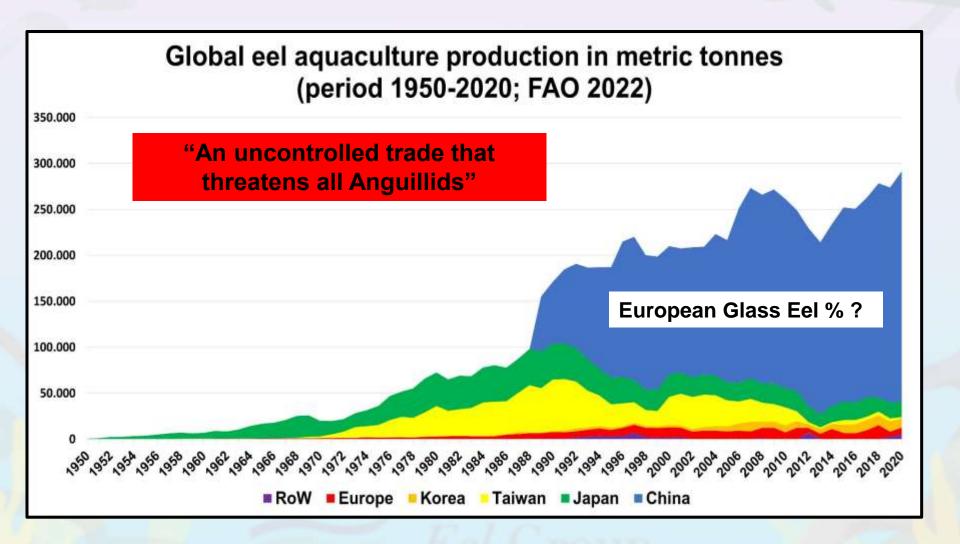




Continuing investment on captive breeding!



This situation led to CITES Listing 2007



"Europe is a small player in Global Eel Aquaculture"









Trafficking Continues

- 300,000 plus in 8 Suitcases Schiphol
- 3 Arrests made
- Portugal to NL to Malaysia
- 11 April 2022

3 Feb 2022

Recent ASIA Press Reports

Suggest 85% Reduction ??

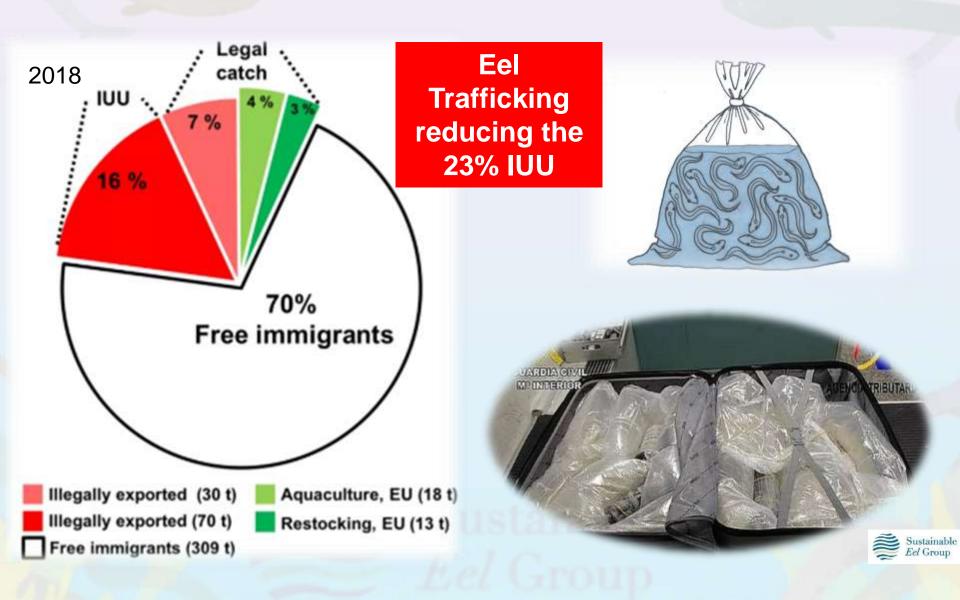
https://www.sustainableeelgroup.org/countertrafficking-success-is-reflected-by-crash-ineuropean-glass-eel-supply-into-chinese-eelaquaculture/

Eel smuggler hit with world record €7.2m fine



USA Quota Price Per Lbs over \$2100 in April 2022





so Far









The SEG Standard with fully traceable Supply Chain has impact

2021



The Reinvention is taking place - the sector takes on the Stewardship Role





Fishing mortality down from 42% (Briand data 2007) to less than 8% (FishPass Study) 2020 for the Vilaine, Brittany for the 50 + SEG

Certified fishermen



Working to SEG Standard / Supply Chain and effective counter trafficking save 100s of millions of glass eels annually



40% of 60 ton or 200m quota 70 to 80 million Glass Eels saved







100 tons pa 300 to 350 million Trafficked Reduced to 20% is about 250m saved

TOTAL ANNUAL SAVING over

300 +
million Glass Eels



Full Implementation of Eel Regulation....

"the Non Fisheries Impacts"





"Eel Populations are a great indicator of River and Wetland health and there will be no eel recovery without their restoration"





#EelDeal



Green Swans Thinking "Regeneration"







Governments and NGO's are struggling to adapt to meet the challenges of eel recovery



