Performance Impact slides taken from recent SEG reports and presentations

Updated September 2023
Reinventing the sector

110 million SEG Certified eel for farming / restocking supply chains in both 2022 and 2023
The Reinvention is taking place - the sector takes on the “Stewardship Role”

The SEG voluntary Standard with a fully Traceable Supply Chain is adopted

110 million for 2022 and 2023 eel farming and restocking

88% of French Fishery Certified

First Certificates Spain 2022

France 400 Fishermen UK all 300 part time

3/4 of French Fishermen Certified

Growing Impact of SEG Standard in building a fully traceable supply chain

21 million Glass Eel 2018
32 million Glass Eel in 2019
33 million Glass Eel in 2020
64 million Glass Eel in 2021

17 Retailers / Smokehouses Certified in NL and Germany

75% of farms in Europe

75% certified in NL & DE

France Glass Eel Total Catch

2022  55.6 Tons
2023  49.6 Tons

Quota was down from 65 tons to 58.75
Exploitation of total glass eel recruitment (440 tonnes per annum or 1.33 billion fish)

Eel Aquaculture now takes 3% to produce 6,000 tons of farmed eel

70% Free immigrants
309 t, 933 million eels

2018

Reduction in mortality by fishery and the sector

83% Free immigrants
363 t, 1.210 billion eels

Reducing the Glass Eel Fishery Impact by 300 million a year
Please note that ‘Elsewhere’ accounts for over 90% of the recruitment. Around 1.3 billion is an indicated arrival volume from earlier ICES studies.
The Changing and Declining Pattern of EU Eel Fisheries

In 2022 it is about 1500 tons from wild Yellow / Silver and over 5,000 tons from Aquaculture.

Some 3% of Glass Eel Recruitment of Over 1.3 billion annually.
Better Eel Husbandry mortality was 40% of 150m quota some 60 million Glass Eels saved

Reduced Trafficking from 300 million to some 50m or about 20% so about 250m saved

TOTAL ANNUAL SAVING over 300 million Glass Eels

Working to SEG Standard / Supply Chain and effective counter trafficking save 100s of millions of glass eels annually
"Europe is a small player in Global Eel Aquaculture"

This situation led to CITES Listing 2007 - 2010
364 Suitcases in one raid 2018

Up to 100,000 glass eel in each suitcase

- Fishermen get 10 cents an eel
- Landed in Hong Kong 1 Euro
- Grown on 10 Euro

In 2018 300-350 million were trafficked
SEPRONA / EUROPOL
18th April 2018
MADRID
“100 tons / 300 + million Glass Eels a year”

Reported Arrests
“Averaging 100 arrests a year”
48 2016 - 17
98 2017 - 18
154 2018 - 19
108 2019 - 20
52 2020 - 21

Reported Seizures
“Tens of millions a year”
16 million 2016 - 17
17 million 2017 - 18
15 million 2018 - 19
10 million 2019 – 20
1.38 million 2020 - 21

Recent ASIA Press Reports
Suggest 85% Reduction to some 50 million fish a year...
Review of the trade pattern

2021/2022

4.734t Spain
0.913t Portugal
4.3t SEG fish
19.5t France
TOTAL 29.5t traded in Spain

48%
29.5t Spain

31%
19t SEG Restocking

20%
12.5t SEG Aquaculture

Non-SEG Restocking & Consumption <1t

ICES TOTAL GLASS EEL CATCH
59.48t

Approx. 15t IUU?

50 million
The SEG Voluntary Standard helps to identify and demonstrate those working responsibly within the supply chain so enabling enforcement agencies to concentrate their resources more effectively.

Much of the Trafficking was from this non SEG certified zone - likely closed. Seizures have likely reached new peak.

88% of French Fishermen are now certified.

This 50 ton is enough to meet the current EU Eel Farms and Restocking requirements.

- **Non-SEG Restocking, 7.9t**
- **Non-SEG Consumption, 6.8t**
- **SEG Restocking, 20.2t**
- **SEG Consumption, 14.7t**

**France 2022/2023**

**TOTAL 49.6t**
2021/22 Total 55.6t

- 60 million fish
- 45 million fish

The SEG Voluntary Standard helps to identify and demonstrate those working responsibly within the supply chain so enabling enforcement agencies to concentrate their resources more effectively.
Migratory freshwater fish have declined by 93% since 1970 in Europe.
Eel trafficking:
Temporal development of Participants, Arrests and Seizures
(2016-2023)

Grey columns indicate the cumulated weight of seized glass eels, total amount is shown by white digits. The red line and associated digits represent the total number of arrests per trafficking season. The grey area indicates the total number of involved participants including EU member states and other countries, EU authorities and international enforcement agencies (Guardia Civil press release 2016; EUROPOL press releases 2017-2023. (compiled by Stein F, 2023, unpublished))
Sustainability and Responsibility

"The SEG Standard does help combat illegal trade and does improve traceability and certification?"

SEG promoting Eel Recovery through ‘protection and sustainable use’