News Conference
Three Years Aquaculture Label GGN: Learnings, Challenges and Trends

Seafood Expo Global 2019
Panelists

- Kristian Moeller, CEO GLOBALG.A.P.
- Leon Mol, Ahold Delhaize, Board member GLOBALG.A.P.
- Gorka Azkona Saez, Eroski
- Marie-Claude Quentin, GFSI
- Mark Nijhof, Heiploeg, Vice-Chairman of the GLOBALG.A.P. Technical Committee Aquaculture
- Remko Oosterveld, GLOBALG.A.P./ GGN
GLOBALG.A.P. Certification Worldwide
Integrated Farm Assurance (IFA)

Total Number of Producers Under Certification (all Products)

Updated 31.12.2018

> 200,000 producers
The 200,000th GLOBALG.A.P. Certificate
Cesar Rodolf Navarrete Zambrano from Ecuador

GGN 4059883827484
GRASP – GLOBALG.A.P. Risk Assessment On Social Practices

Number of Growers Assessed

<table>
<thead>
<tr>
<th>Year</th>
<th>Number of Growers Assessed</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td>276</td>
</tr>
<tr>
<td>2012</td>
<td>674</td>
</tr>
<tr>
<td>2013</td>
<td>2,684</td>
</tr>
<tr>
<td>2014</td>
<td>8,843</td>
</tr>
<tr>
<td>2015</td>
<td>13,604</td>
</tr>
<tr>
<td>2016</td>
<td>29,454</td>
</tr>
<tr>
<td>2017</td>
<td>66,029</td>
</tr>
<tr>
<td>2018</td>
<td>85,491</td>
</tr>
</tbody>
</table>

≥ 43 %

Updated 31.12.2018
2.2 Million Metric Tons
GLOBALG.A.P. Certified Aquaculture Worldwide

- Atlantic Salmon: 69.89%
- Whiteleg Shrimp: 13%
- Rainbow Trout: 5%
- European Seabass: 4.47%
- Gilthead Seabream: 4.25%
- Other: 3.43%

Updated 31.12.2018
GLOBALG.A.P. Board Elections 2019

GLOBALG.A.P. BOARD ELECTIONS

Nomination Period: 15 April – 20 May
Voting Period: 04 June – 24 June
GLOBALG.A.P. Gender Distribution

- Total number of affiliates: 106
- Total share of female affiliates: 58%

March 2019
<table>
<thead>
<tr>
<th>Product</th>
<th>Certificate no.</th>
<th>Cycle</th>
<th>Status</th>
<th>Certified/assessed</th>
<th>Checklist</th>
<th>Date to</th>
<th>NON-GM production annual quantity in Tonnes</th>
<th>Scheme UK</th>
<th>Scheme CPSC</th>
<th>Option</th>
<th>Countries of destination</th>
<th>Other Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Giant Tiger (Chinese cabbage)</td>
<td>F000001234</td>
<td>Current</td>
<td>Assessed</td>
<td>Yes</td>
<td></td>
<td>25/03/2018</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Winogradimir (Chinese cabbage)</td>
<td>F000001235</td>
<td>Current</td>
<td>Assessed</td>
<td>Yes</td>
<td></td>
<td>25/03/2018</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chair of Castile (CIC) No.</td>
<td>F000001236</td>
<td>Current</td>
<td>Assessed</td>
<td>Yes</td>
<td></td>
<td>25/03/2018</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**“Ohne Gentechnik” (Non-GMO) Labeling**

**Database Visibility**

<table>
<thead>
<tr>
<th>Scheme GR.</th>
<th>Scheme CPCC</th>
</tr>
</thead>
<tbody>
<tr>
<td>GLOBALG.A.P. NON-GM/Ohne Gentechnik Add-on General Rules Specifications V 1.0</td>
<td>GLOBALG.A.P. NON-GM/Ohne Gentechnik Add-on CPCC V 1.0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product</th>
<th>Scheme</th>
</tr>
</thead>
<tbody>
<tr>
<td>Giant Tiger Prawn [Penaeus monodon]</td>
<td>GLOBALG.A.P. NON-GM/Ohne Gentechnik Add-on</td>
</tr>
<tr>
<td>Whiteleg Shrimp [Litopenaeus]</td>
<td>GLOBALG.A.P. NON-GM/Ohne Gentechnik Add-on</td>
</tr>
</tbody>
</table>
GGN.ORG – Facts and Figures

No of licensees: +31%
Online farm profiles: +34%
No of products: +159%

Updated 30.04.2019
Licensees from 9 countries:
USA, D, ES, NOR, TR, LT, NL, UK, PL

GGN labeled products

<table>
<thead>
<tr>
<th>Year</th>
<th>Quantity (MT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017</td>
<td></td>
</tr>
<tr>
<td>2018</td>
<td></td>
</tr>
<tr>
<td>2019</td>
<td></td>
</tr>
</tbody>
</table>

(extrapolated)
Challenges of the GGN Consumer Label

- A realistic promise
  - Fact-based
  - Practical
  - Auditable

- Simplification
  - Scalability
  - Cost-effective
  - No duplication
Learnings of the GGN Consumer Label

- High demand
- Positive feedback
- Recognition

- Improved consumer portal
  - Faster
  - Functional
  - Design

- Traceability
Trends of the GGN Consumer Label

- Food safety
- Animal welfare

- Increased global demand
- Limitation number of labels
WE ARE:
powered by the Consumer Goods Forum, a non-profit industry organization

VISION:
Safe food for consumers, everywhere.

MISSION:
Provide continuous improvement in food safety management systems to ensure confidence in the delivery of safe food to consumers worldwide.

• Harmonising and raising the standards of food safety certification programmes worldwide, by assessing them against regularly updated Benchmarking Requirements.

• Building food safety capabilities for the industry and its suppliers, through our Global Markets Programme and GFSI Local Group activities.

• Partnering with government food safety regulators and public partners, through dialogue and participation in joint programmes.
GFSI Board of members
A Few Recent ACHIEVEMENTS

PUBLIC-PRIVATE PARTNERSHIPS
Did you know that GFSI has defined common projects with regulators in 9 countries and with 6 international IGOs through the leadership of our 7 Local Groups?

MORE AND MORE GOVERNMENTS around the table
In only its 3rd year, our 2018 G2G (government-to-government) meeting gathered 40 institutions, representing 25 countries and 5 IGOs.

A more STREAMLINED global supply chain
GFSI-recognised certificates are increasingly seen as a “Food Safety Passport” and have been issued in 182 countries by 13 benchmarked certification programme owners.

GFSI Board
Led by a Board of retail and manufacturing members, GFSI brings together a global multi-stakeholder group composed of certification programme owners, service providers, regulators, academia and more.

KNOWLEDGE-SHARING
• The GFSI Conference has truly become the industry’s annual rendezvous for the advancement of food safety worldwide, with 1,200 delegates from over 50 countries.
• GFSI’s +25 Technical Working Groups are another opportunity for companies to prepare for future challenges.
GFSI Benchmarking Requirements

- Based on Codex Alimentarius, written through multi-stakeholder consultation
- A common acceptance of good food safety requirements
- A key tool to advance food safety, improve efficiency, and foster harmonization
- The basis of GFSI assessment and recognition of private Certification Programmes
GFSI Scopes of recognition

Standard setting

FULL PRODUCTION CHAIN CERTIFICATION; FULL GFSI COMPLIANCE

- Hatchery
- Pre-Farm Gate: Growers, Farmers
- Post-Farm Gate: Food Packing and Processing
- Retail Stores

A STANDARD CONSUMERS DEMAND

GLOBAL G.A.P.
IFA

GLOBAL G.A.P.
CFMS

GLOBAL G.A.P.
IFA

GLOBAL G.A.P.
CoC

Global Food Safety Initiative
Aquaculture standard

Scope:

- Food safety
- Animal welfare
- Environmental care
- Worker safety & Social Compliance
COUNCIL REGULATION (EC) No 834/2007
of 28 June 2007
on organic production and labelling of organic products and repealing Regulation (EEC)
No 2092/91

Article 14

Livestock production rules

(b) with regard to husbandry practices and housing conditions:

(i) personnel keeping animals shall possess the necessary basic knowledge and skills as regards the health and the welfare needs of the animals;
Animal welfare in GLOBALG.A.P. aquaculture

Scientific consultation

Radboud University Nijmegen

IMARES Wageningen

NGO consultation

WSPA

World Society for the Protection of Animals

Industry consultation

FishVet Group
Usual welfare topics:

- Densities

- Killing methods
Knowledge personnel on animal welfare

- written assessment of most likely occurring diseases
- early recognition of first disease symptoms
- training of staff; recordings
- audit: “awareness upon interview”
Post harvest inspection

bites (aggression)
parasites
viscera (feed)
blood pH
bleedings
defORMATIONS

feedback to farming
Handling of live fish

Water quality:
° C
NH$_4^+$
NO$_2^-$ NO$_3^{2-}$
O$_2$ CO$_2$ N$_2$
pH, DH
NaCl %
SO$_4^{2-}$ SO$_2$
Etc...
• Quarantine
• Potential diseases
• Vaccination
• Medication
• Residue management
• Health inspection
• Mortality disposal
• Culling
• Parasites
• Cohabitant species

Authorized veterinarian
ANIMAL WELFARE RISK ASSESSMENT

Pumps may cause Nitrogen gas super saturation..

..resulting in ‘Gas Bubble Disease’..

..for which measures must be in place
Sound
Vibrations
Electricity
Diurnal rhythm
Light intensity
Toxic materials
Suitability of feeds
Feeding strategies
Visual hinder
Hydraulic properties
Predators
Transport
Algae blooms
Crowding prevention

Size variation; grading
No (quantitative) parameters that cannot be credibly verified by the auditor.

No:
- maximum densities
- maximum medicine use
- disease incidences
- survival %
- mortalities
Why does it matter?

Fish welfare is important because:

- Impacts productivity (makes economic sense)
- It is an ethical responsibility
- Impact business reputation (sustainable growth)
- It is important for our stakeholders
Customers have increased focus on animal welfare

Animal welfare is of customers concern

Reporting to customers/retailers on operational welfare indicators
EROSKI’s fish monger

Brussels 2019
EROSKI: we are different, we are cooperative

• First distribution group of the cooperative type in Spain

• A leading operator in the Northern regions

• Health and Sustainability are in the core of our strategy

• Our business model offers consumers the freedom to choose from a wide range of goods, specialises in fresh produce, opens up stores to local products
About EROSKI

SALES

5.505 million € turnover

STORES

1.651 total establishments

- 1,279 Supermarkets
- 61 Hypermarkets
- 19 Cash & Carry
- 50 Petrol stations
- 16 Opticians
- 159 Travel agencies
- 59 FORUM SPORT sports equipment stores
- 8 Online stores

500 EROSKI / city
320 CAPRABO
161 EROSKI / center
140 ALIPROX
78 FAMILIA
73 ONDA
7 RAPID
Our Sustainable Fishing Policy

Sustainable fishing techniques and fisheries
1. Include sustainability of fisheries in the definition of our commercial offer
2. Not sell products from illegal fishing
3. Respect for minimum fish size and proactivity to set more restrictive minimum fish sizes
4. Promote the use of sustainable fishing techniques within our suppliers
5. Promote sustainable certified products for extractive fishing

Sustainability in the value chain
6. Promote local fishermen close to our stores
7. Reduce the environmental impact of the distribution activities
8. Select suppliers who fulfill the requirements of ILO convention 188

Transparency and governance
9. Transparent labelling and communication
10. Enhance collaboration and listening of groups of interest
11. Education of consumers on sustainable fishing
12. Develop an efficient governance system to control the fulfillment of this Policy
Sustainability in Eroski

This gave us the opportunity to build a solid commercial strategy for sustainability.

In 2017 we certified in chain of custody with MSC for bulk fish and we work with species like tuna, cod, lobster and anchovy on our fresh counters, as well as surimi, salted cod, canned tuna and frozen fish as clams, cod or hake.
Sustainability in Eroski

In June 2018 we started working with GGN aquaculture fish, with sea bass, sea bream, salmon and turbot.

In 2018 we have purchased 1.700Tm of sustainable certified fresh fish:

- 1.100Tm MSC
- 600Tm GGN
Learnings from our experience with GGN:

- Easy to audit once you have MSC chain of custody (although the final certification scheme is not closed yet).
- Reasonable price
- Wide range of suppliers for salmon, sea bass, sea bream and trout.
- GLOBALG.A.P. has a strong structure for farming related procedures.
- We also use GLOBALG.A.P. for fruits & vegetables, which makes much easier the final consumer communication.
- Strong standard for food safety
THANKS!!!!
We cordially invite you to our GLOBALG.A.P. Reception right after our News Conference!

8 May 2019
4 - 5 p.m.
Hall 9, No. 9-4026

Thank you to our Media Partners:
Panelists

- Kristian Moeller, CEO GLOBALG.A.P.
- Leon Mol, Ahold Delhaize, Board member GLOBALG.A.P.
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