Animal Health & Welfare

- MODERATOR GEORGE CHAMBERLAIN | GLOBAL AQUACULTURE ALLIANCE
- PRESENTER ROBINS McINTOSH | CHAROEN POKPHAND FOODS PUBLIC COMPANY
- PRESENTER HAMISH RODGER | FISH VET GROUP
- PRESENTER IAIN SHONE | GLOBAL AQUACULTURE ALLIANCE

GLOBAL OUTLOOK FOR AQUACULTURE LEADERSHIP
GUANGZHOU, CHINA | DAY 1
HEALTHY FISH | HEALTHY PEOPLE | HEALTHY PLANET
Iain Shone

- Iain Shone has been Global Aquaculture Alliance’s development director since 2014.
- He has been committed to GAA’s mission of responsible aquaculture for 15 years, supporting the development the Best Aquaculture Practices third-party certification program from the outset and guiding the organization’s evolution as a director on the board.
- Previously, he served on GAA’s Executive Committee, representing Lyons Seafoods Ltd., where acted as the UK supplier’s director of sourcing.
Zone Management Program
Biosecurity Area Management Standard

Iain Shone
GOAL 2016 Guangzhou
What is Zone Management?

Zone management is *not the norm* in aquaculture. Where it is practiced either in full or in part, is often a regulatory function for spatial planning & resource management.

Zone creation

Site selection

Area Management
What is Zone Management?

Zone creation

- The formation of large scale zones by governments for aquaculture development e.g. coastlines
- Wide stakeholder input
- Environmental, social, economic considerations
- Control to avoid over development (effluent, disease) or ‘carrying capacity’ – very complex!
What is Zone Management?

Zone creation

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What is Zone Management?

**Site selection**

- **Private sector** assesses the best locations for farms **within the zone**, according to species & farming system
- An Environmental Impact Assessment (EIA) is normally required
- Permits or Licenses are granted by regulating authority
What is Zone Management?

**Area Management**

- Tend to be created where farms share a common water body & therefore their practices can **impact on each other**
- The farms benefit from a common management system to minimize risks
Case studies explain the benefits

Especially with regards to disease management
Area Management benefits

Farms working together on collaborative biosecurity management plans will result in **better disease control** leading to improved harvest and crops results.

Other benefits:

- Lower risk = Lower insurance premiums
- Lower risk = Improved access to finance
- Opportunity to consolidate & improve technical services & lower cost

Buyers benefit too!

lower risk in your supply chain = more reliable supply
Zone creation

Site selection

Biosecurity Area Management Standard
Three key phases

1. Application by producer group
2. Risk Assessment & Area plan development
3. Implementation of Area plan

GAA Review
CB Review
CB Assessment
The application will normally be raised by a group of producers and will be assessed by GAA to ensure the building blocks are in place to start the process:

- A proposed area containing multiple farms
- A Committee of all the producers* with signature of commitment and appointed representative
- A list of relevant non-aqua activities in the Area
- Insight into the Area’s (disease) history
- Production scale and operational detail

* Exclusion of any producers has to be explained, risk assessed and justified
Risk Assessment & Area Plan development

**Risk Assessment:**
*Biosecurity threats, likelihood & impact*
- Juvenile sources
- Feed sources
- Boat & animal movement
- Water flows
- People movement

**Area Plan:**
*Biosecurity management*
- Approved input & service suppliers
- Coordinated stocking
- Harvest & fallow plans
- Disease surveillance
- Emergency action plans
Implementation

Risk Assessment & Area Plan

Fully implemented, working & recorded

CB Assessment

All standard criteria achieved

Certification to the GAA Biosecurity Area Standard

Area Management status

[Diagram showing a flowchart with steps and arrows indicating the progression from Risk Assessment to Certification]
Some key issues

- Defining the ‘Area’
- How to manage if there are producers in the Area that are not willing to participate
- How to manage with producers who may not have existing farm certification
- Producer collaboration
Process for raising the standard

Technical Committee, our thanks to:

• Peter Marshall  RS Standards (Chair)
• Bas Geerts  ASC
• Valeska Weymann  Global Gap
• Ally Dingwall  Sainsburys
• Jennifer Wiper  Cooke Aqua
• Donal Maguire  Irish Fisheries Board
• Robin Wardle  Benchmark
• Patrick White  Consultant- FAO
• Jonathan Shepherd  Consultant
• Matt Thompsen  NEAq
• Anton Immink  SFP
• Joanna Smith  Nature Conservancy
• Lisa Tucker  MBAq
• Jon Grant  Dalhousie University
Process for raising the standard

Completed steps:

✓ Technical Committee formed
✓ Consultation
✓ Draft standard informally presented to SOC
✓ Pilot input
✓ Pilot visit
Process for raising the standard

Steps to complete:

- GOAL 2016 formal SOC submission
- Public comment
- Audit guidance documents
- Final SOC approval
- Launch
Thank you!