

Towards improved management of salmonid rickettsial septicaemia in Chile

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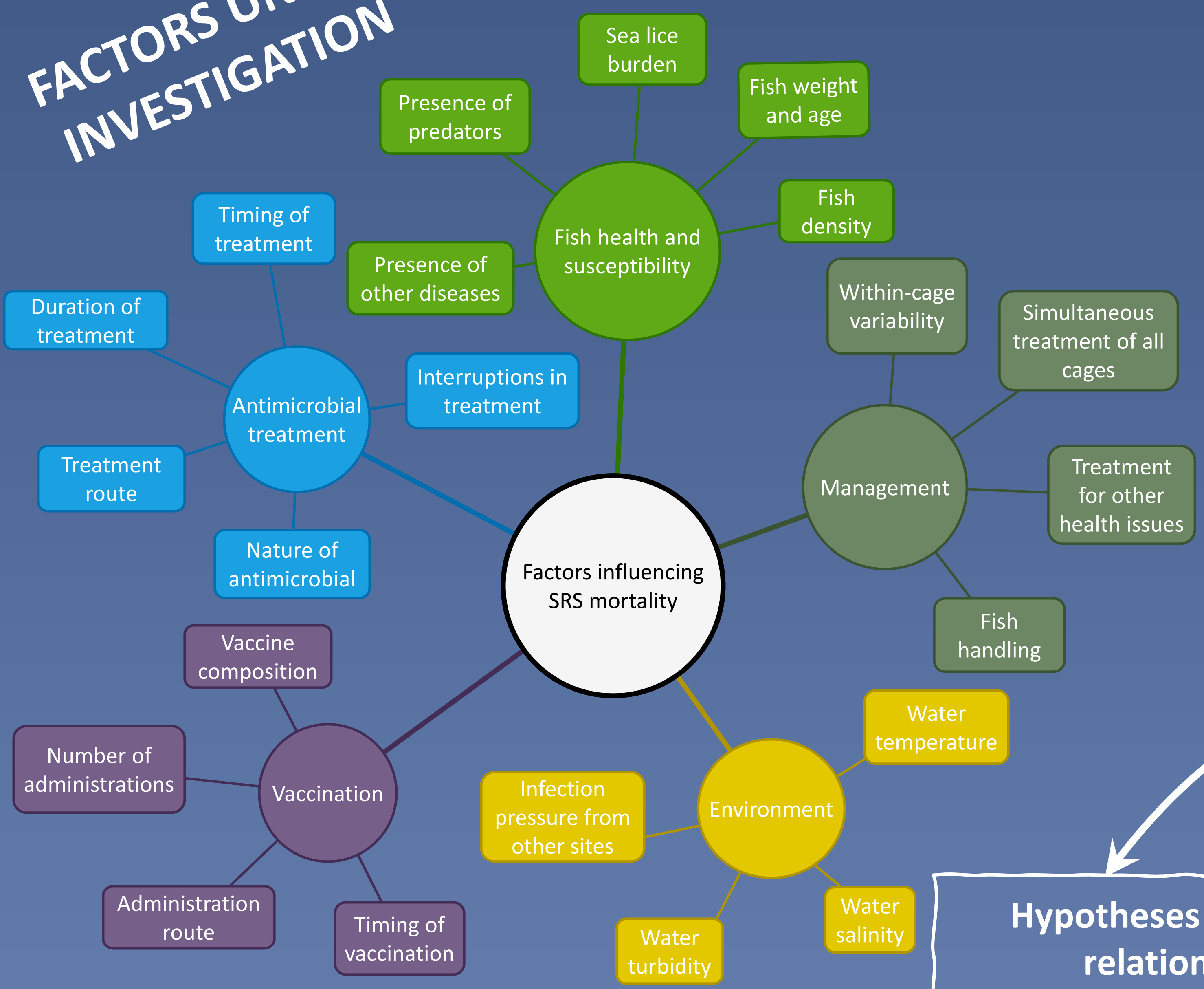
Salmonid rickettsial septicaemia
Caused by the bacterium *Piscirickettsia salmonis*, SRS is the major cause for antibiotic treatment of salmon and trout in Chile.



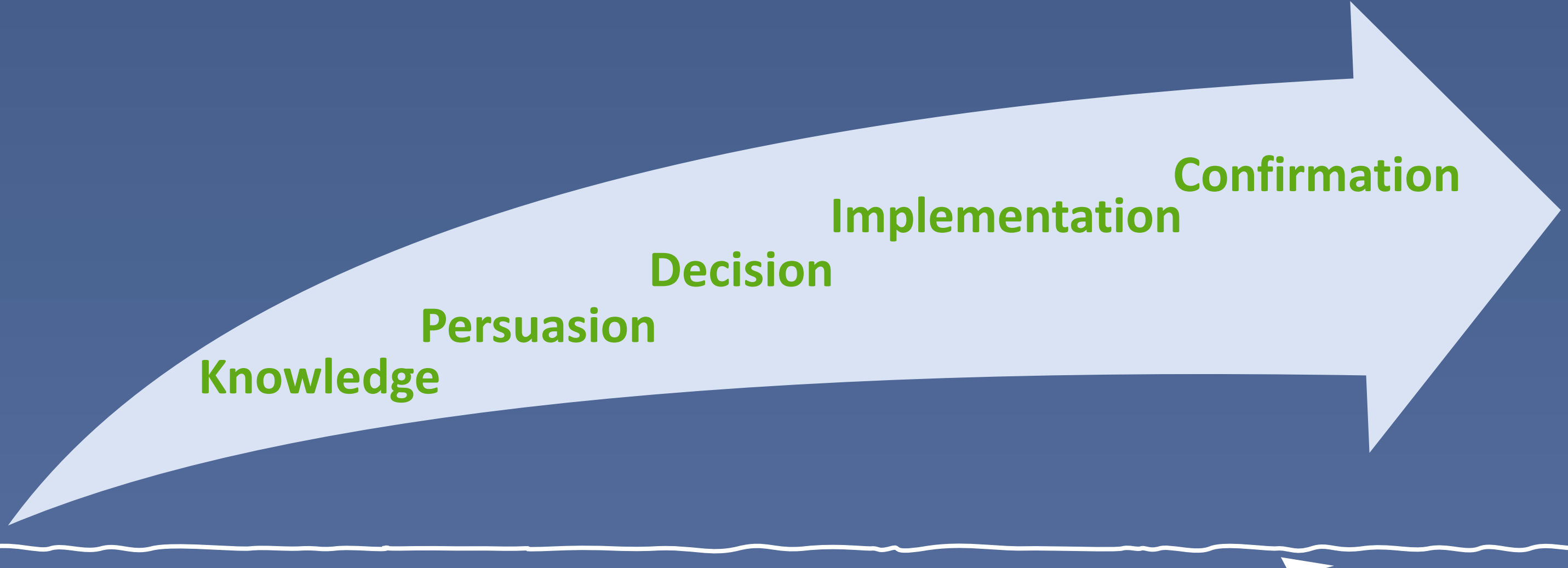
Methods used in this PhD project:

- Stakeholder consultations
- Creation of a platform integrating health and management data from individual companies
- Epidemiological studies

FACTORS UNDER INVESTIGATION

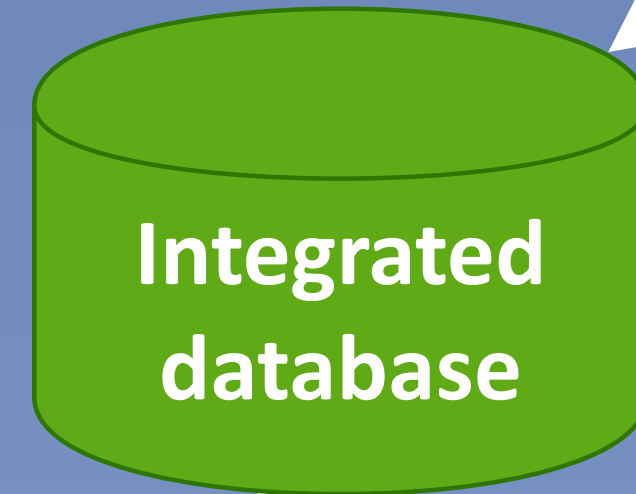
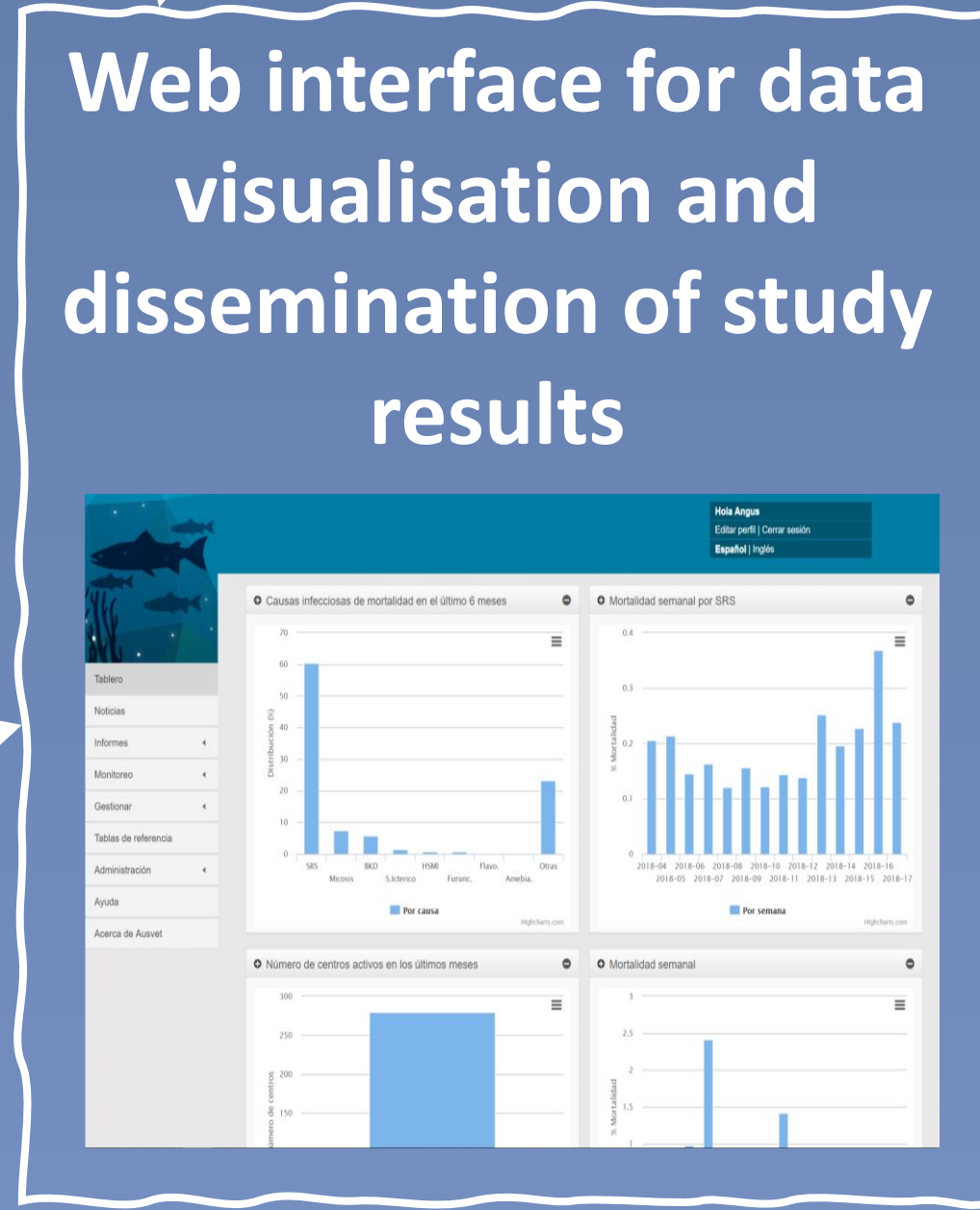
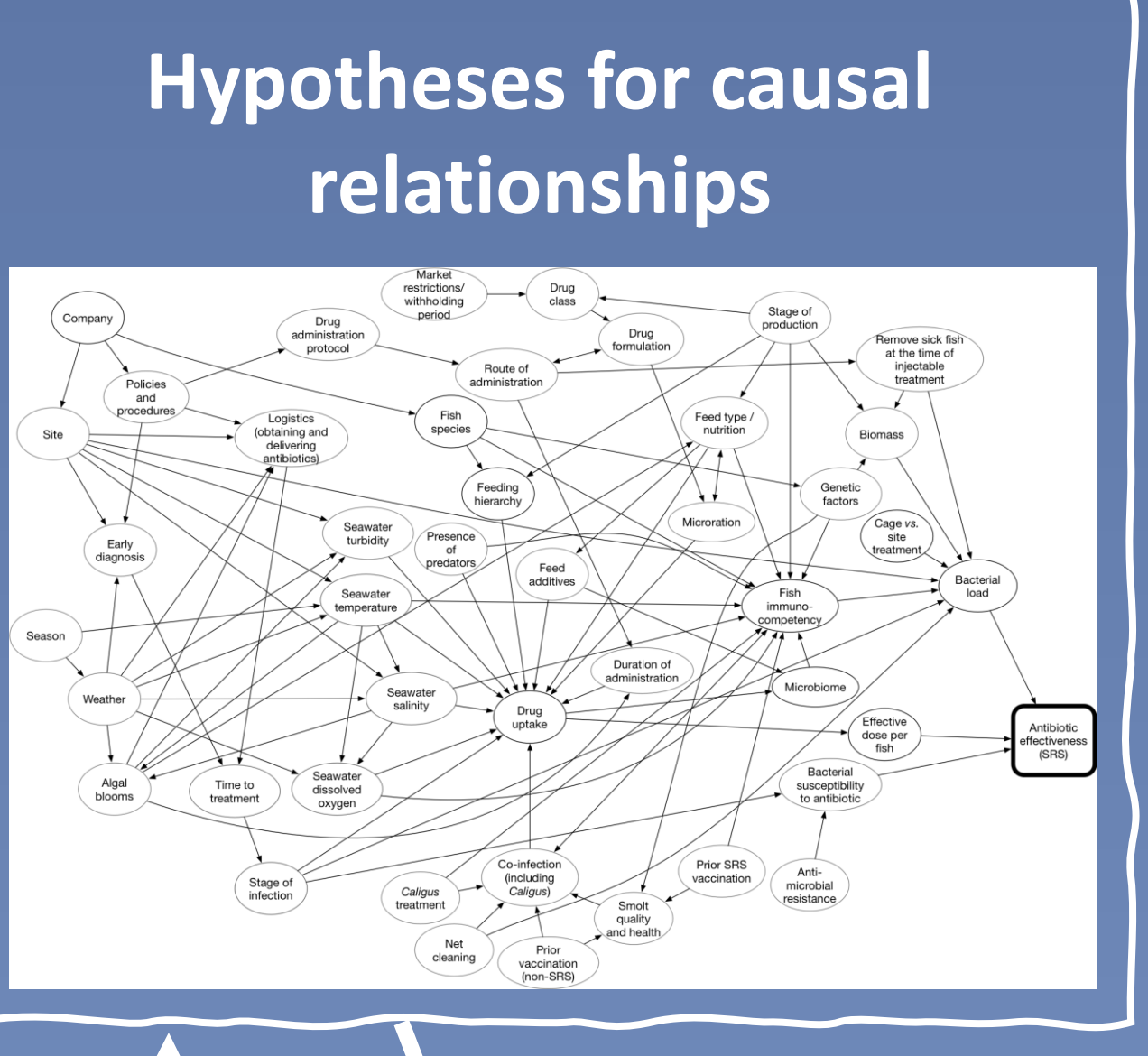


Thematic analysis, based on Roger's diffusion theory for the diffusion of new technologies, concepts and other innovations (Roger, 1962):



Specific studies conducted within the project:

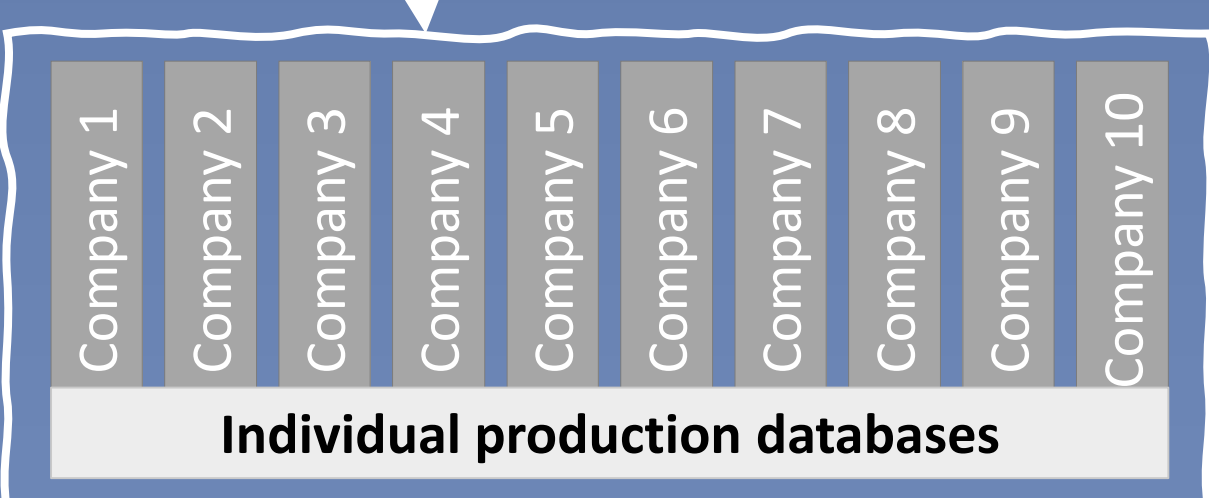
- Is between-farm water-borne pathogen dissemination an important driver in the epidemiology of SRS?*
 - Which vaccines are more effective in delaying SRS outbreaks and reducing mortality at sea?
 - What factors influence the effectiveness of antibiotic treatments in terms of reduction in mortality during SRS outbreaks?*
 - What are the effects of lice burden and lice bathing treatments on SRS mortality?
- *manuscripts submitted for publication



Semi-structured interviews: obstacles and enablers for more data integration within the industry?

Technical workshops

Main stakeholders: salmon and trout producers



Lessons learned: building relationships with stakeholders takes time and effort but it is crucial for the success of data integration:

- Data harmonisation is a complex and time-consuming task requiring stakeholder inputs on a regular basis
- Stakeholder consultations contribute to better understand a complex system before conducting in-depth data analysis
- Providing outputs that can be used to support decision-making is critical to maintain engagement, improve knowledge transfer and increase the impact of the work



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This project was conducted by Ausvet as part of a program funded jointly by the Chilean Government and the Chilean Salmon Industry Association, SalmonChile.