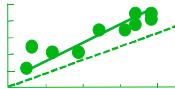


Genetics programs for rural aquaculture communities facing climate change

R.W. Doyle
Genetic Computation Ltd

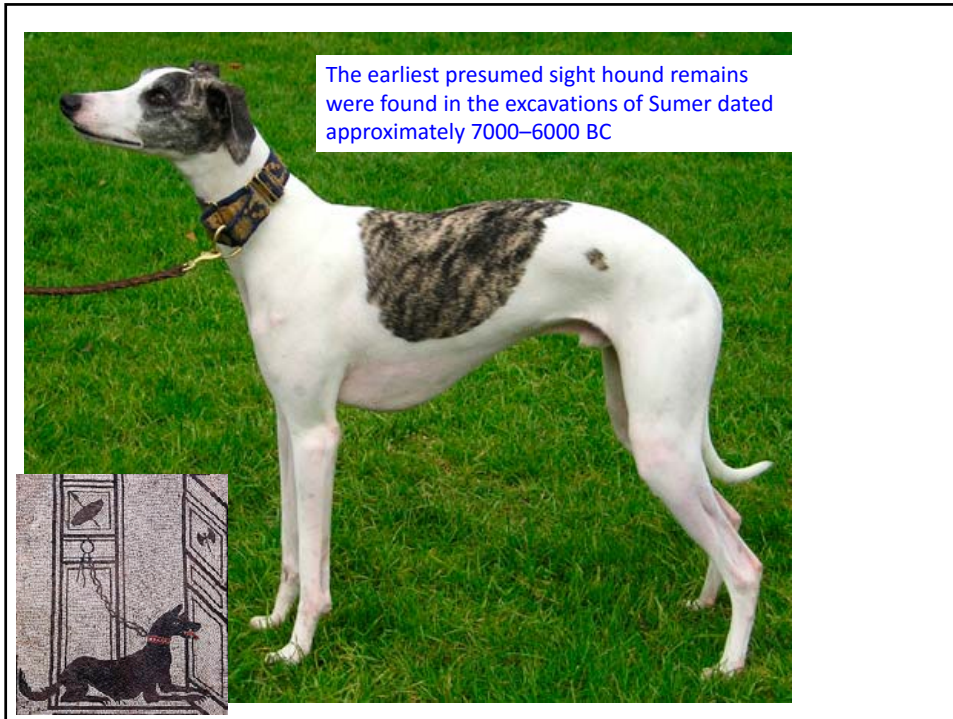


FishAdapt: a global conference on climate change adaptation for fisheries and aquaculture
Bangkok, 2016



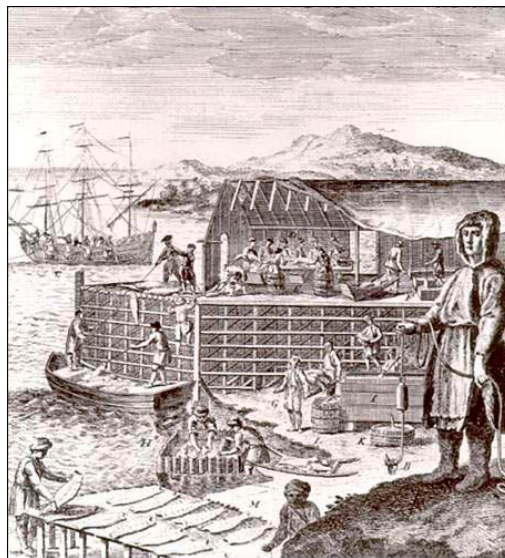


1. Throughout 30,000 years of cultural evolution, human communities have depended on domesticated animals.

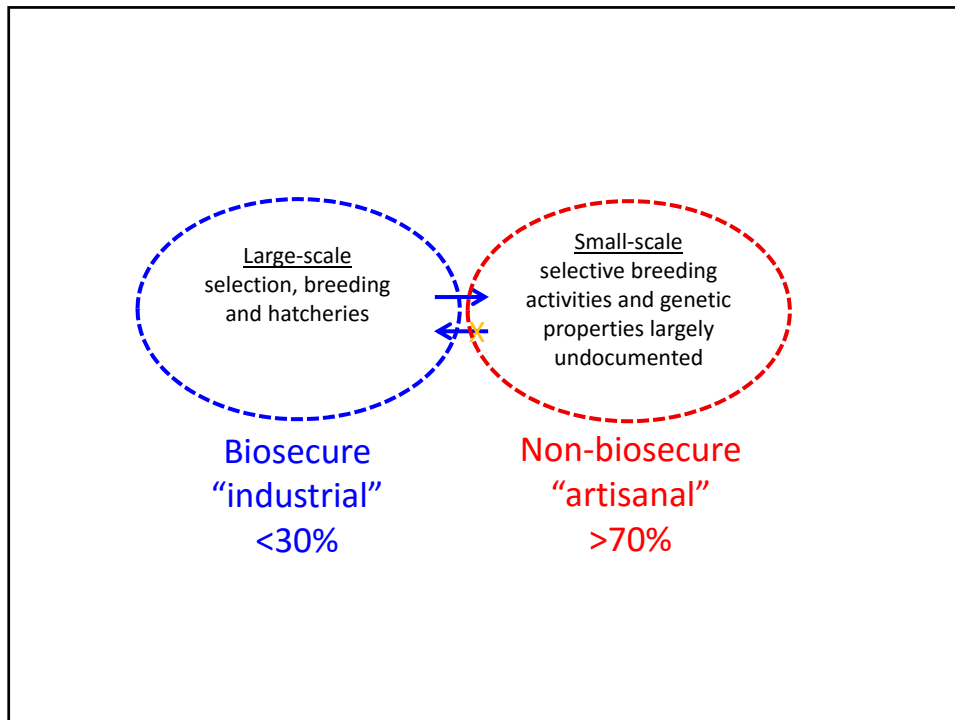




2. As communities adapted to new environments, they adapted the biology of their animals.



2. As communities adapted to new environments, they adapted the biology of their animals.



The screenshot shows the website for the Holstein Association USA. At the top, the header includes the organization's name, "The World's Largest Dairy Breed Association", and "Established 1885". A navigation bar contains buttons for "Join!", "Order Pedigree", "Sire Summaries Online", "Animal Search", and "Order Ear Tags", along with a "Welcome! (Log In)" link. On the left is a vertical menu with categories like "Our Association", "The Holstein Breed", "Pedigree Information", "Programs & Services", "Animal Identification", "Genetic Evaluations", "Software", "Meetings & Conventions", "Awards", "National Shows", "Juniors", "Latest News", "Forms & Applications", "Contact Us", "Manage My Account", "Product Retrieval", "Site Map", "Holstein Foundation", and "Home". A search box is located above the menu. The main content area features a large image of a black and white Holstein cow with the text "The ability to breed exactly the kind of cow that works for you" and "Experience the power of BLACK & WHITE". To the right of the main image is a "What's New" section with three news items: "7/7 - July 2015 High Ranking Genomic Young Bulls available", "7/1 - Watch the action from the National Holstein Convention on video", and "6/29 - Holstein Association USA Recognizes Junior Members Breeding Exceptional Cattle". Below this is a "Sign up for our Genomics Educational Webinar Series" button and a "Holstein 101 A Beginner's Guide" banner. At the bottom right is a "What's Up @Holstein USA?" section. A red arrow points to the "Animal Search" button in the navigation bar. Another red arrow points to the search box in the left menu. A third red arrow points to the "What's New" section. A fourth red arrow points to the "Sign up for our Genomics Educational Webinar Series" button. A fifth red arrow points to the "Inbreeding Calculator" link at the bottom of the left menu. A sixth red arrow points to the text "The ability to breed exactly the kind of cow that works for you" in the main image.

U.S. Registered Holsteins FOR MAXIMUM PROFIT!

HOLSTEIN ASSOCIATION USA
The World's Largest Dairy Breed Association Established 1885

Join! Order Pedigree Sire Summaries Online **Animal Search** Order Ear Tags Welcome! (Log In)

Animal Search
 Go

Our Association
The Holstein Breed
Pedigree Information
Programs & Services
Animal Identification
Genetic Evaluations
Software
Meetings & Conventions
Awards
National Shows
Juniors
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Site Map
Holstein Foundation
Home
Inbreeding Calculator

What's New

7/7 - July 2015 High Ranking Genomic Young Bulls available
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Sign up for our Genomics Educational Webinar Series

Holstein 101
A Beginner's Guide

What's Up @Holstein USA?

The ability to breed exactly the kind of cow that works for you
Experience the power of **BLACK & WHITE**

4. We can facilitate biological adaptations that communities will need to cope with climate change.

