



DIE GEBIRGSGARNELE AUS
DER STEIERMARK

Shrimp Hatchery

Nicola Scalise

Hatchery timeline

2019

Oct 2019

Apr 2020

Jun 2020

Dec 2020

2021

Construction

- 1.- Biosecure location
- 2.- Artificial seawater

P. stylirostris 1st generation

- SPF Stylirostris
- Genetic program

P. vannamei broodstock

- 15 females
- 15 males
- SPF from USA

P. vannamei production

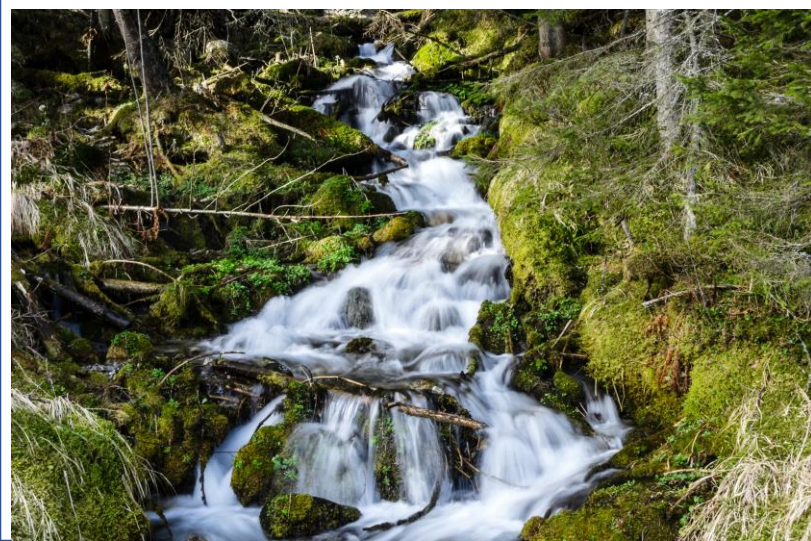
- First customers for PLs
- Real 24h transport
- Big size >8mm

New tanks

- 6000 liters /each
- 10 times bigger
- Increased automation

Full scale production

- From 2M PLs/month
- Up to 4M PLs/month





Our quarantine facility can hold over 100 shrimp breeders at the time.



Check for:

- all known shrimp viruses
- bacteria causing AHPND (early mortality syndrome)



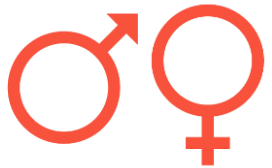
Our partner laboratory is able to scan for 14 pathogens of commercial significance including the high mortality Decapod iridescent virus 1, DIV1.

[illegible]

Penaeus stylirostris



Only SPF *P. stylirostris* available in Europe



Second generation breeding program



Own use only



Penaeus vannamei

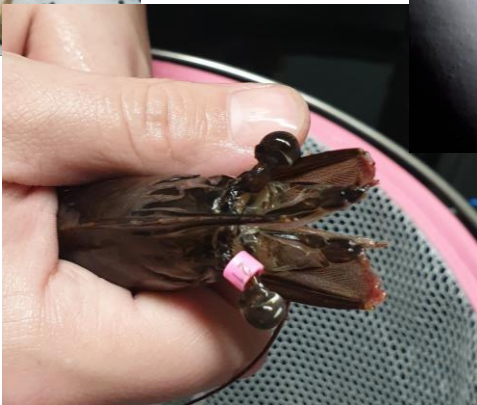
SPF
Breeders



Live feeds



Traceability



Quality
monitoring



Hatchery performance



Genetics:

- High growth performance
- High resistance to bacterial load
- High resistance to intensive farming



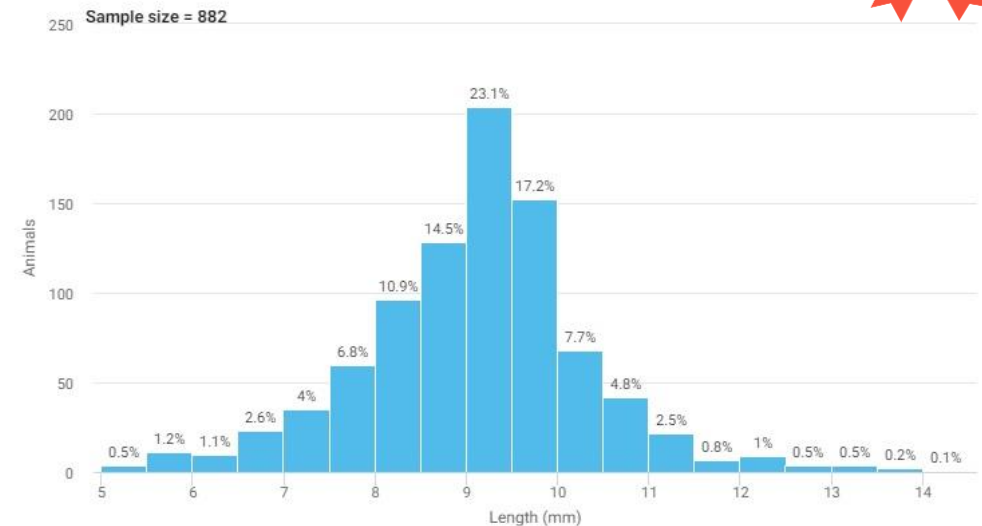
Quality:

- Daily larval monitoring
- Post larvae statistics
- No use of antibiotics or disinfectant

Results

Total count	Avg length	Length CV
1,418	9.11 mm	13.84%

Length distribution



Hatchery performance



Current → half million PLs per month

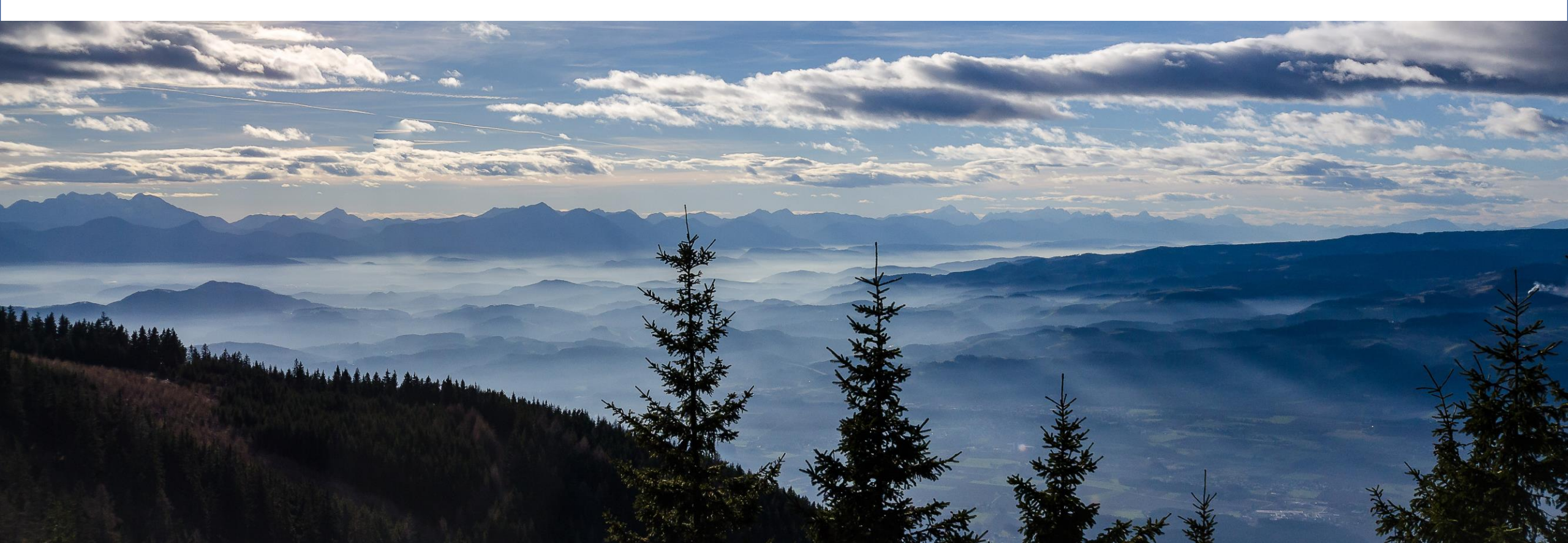


2021 → 2 million PLs per month



Target → 4-5 million PLs per month





End