

6th Scientific Committee Workshop

Valparaiso, Chile
28 - 30 May 2018

SCW6-Doc09

Current status of age research

Chilean Delegation

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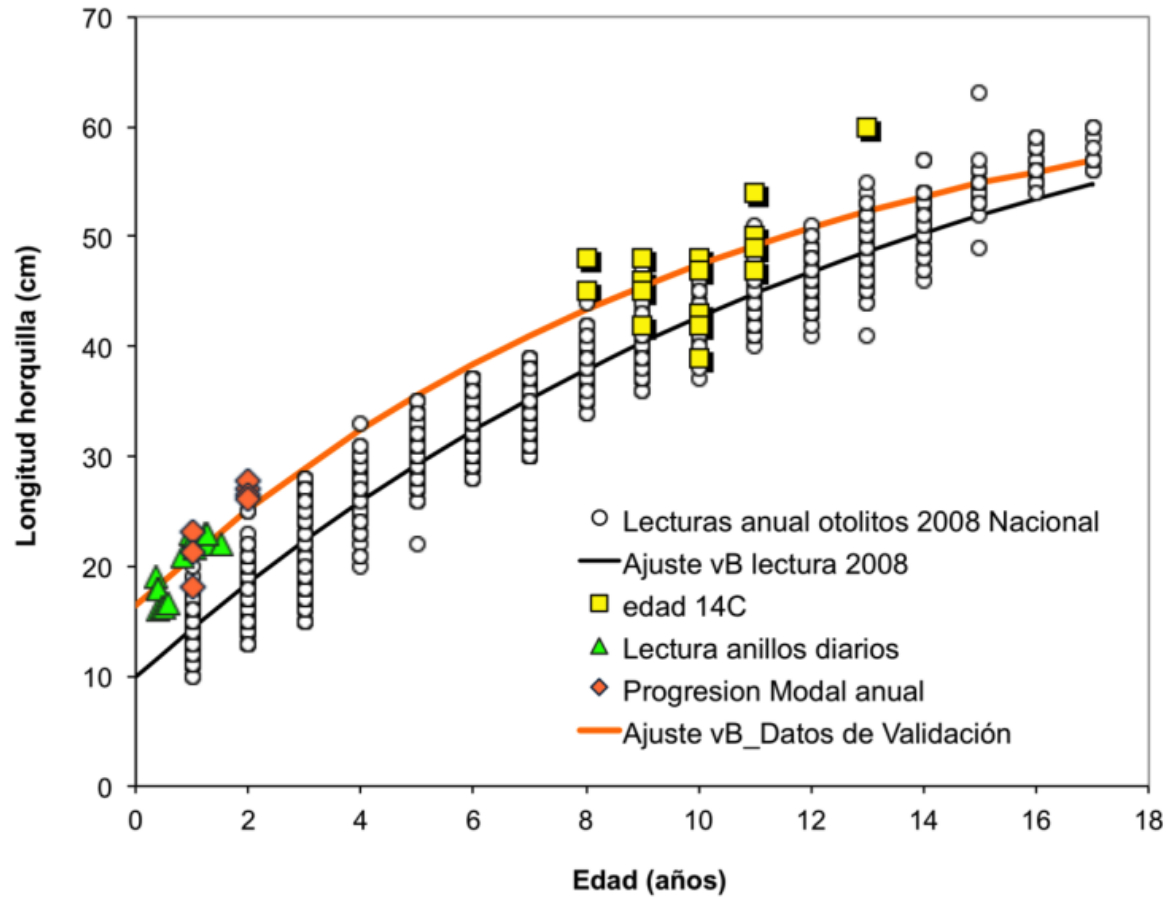
2018-05-28

Techniques used

- Daily increment formation in otoliths
- Length frequency analysis
- Radiocarbon analysis fish otoliths

All analysis have been based on 2008 data (pilot-year)

Different validation process

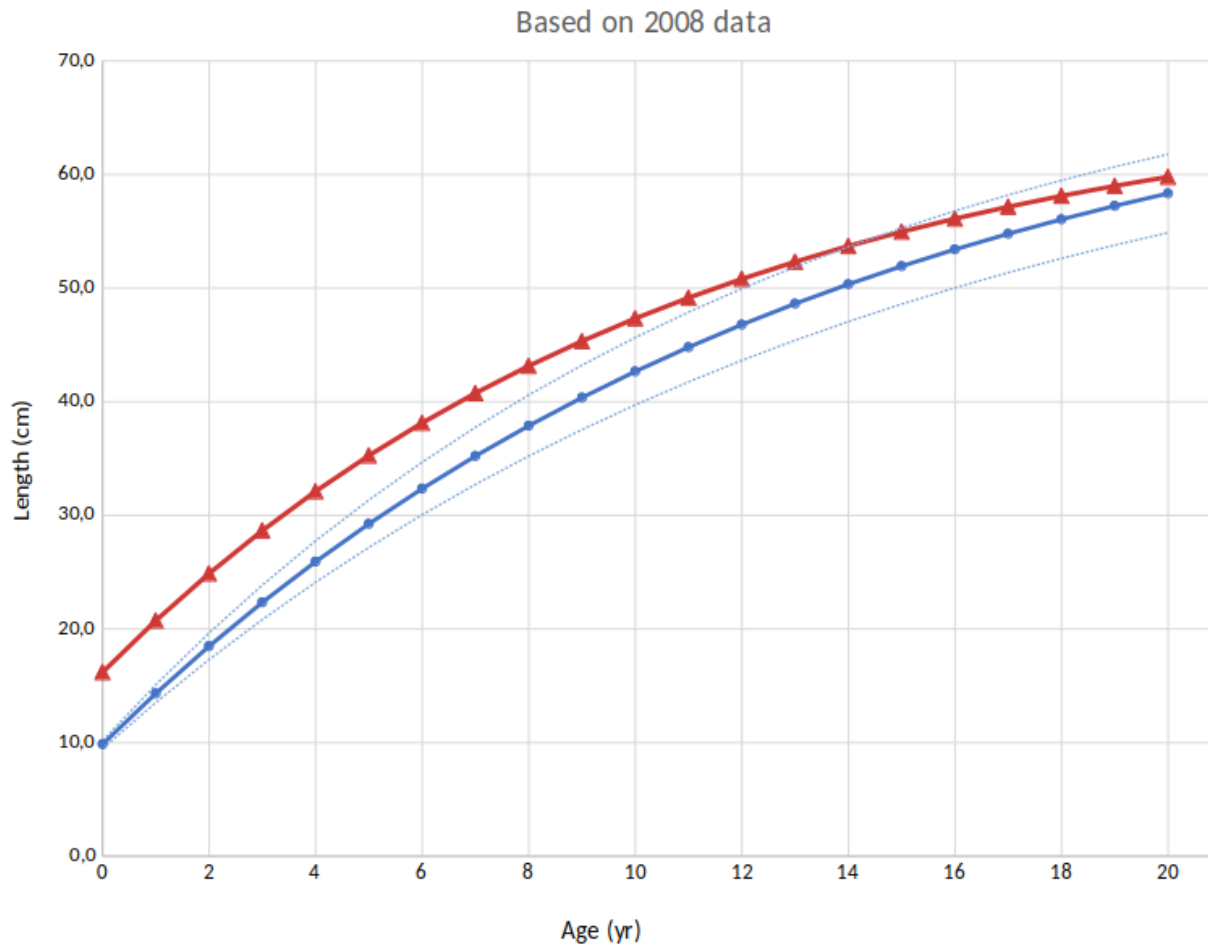


New parameters

Old approach				
	<u>Value</u>	SE	<u>UB</u>	<u>LB</u>
<u>Linf</u>	72,670	1,312	70,099	75,246
<u>K</u>	0,074	0,002	0,069	0,079
<u>t</u>	-1,972	0,067	-2,103	-1,842

New approach				
	<u>Value</u>	SE	<u>UB</u>	<u>LB</u>
<u>Linf</u>	68,103	1,210	66,893	69,313
<u>K</u>	0,092	0,004	0,088	0,095
<u>t</u>	-2,964	0,104	-3,068	-2,860

Faster growth



Next Steps

Task	Description	Status	Schedule
1	Age validation & and growth function	OK	March 2018
2	Otoliths re-reading (pilot-year)	56% (280-500 samples)	May 2018
3	Submit manuscript	70%	July 2018
4	Standardization of historic serie (empirical and model based ???)	Progress	May 2019
5	Reading protocol according new validation process	---	July 2019