**Unlocking the archive end of project workshop, 29th April 2022**

**Hybrid event: Marine Institute Newport and Teams**

**DRAFT AGENDA**

***To register, please email*** [***deirdre.brophy@gmit.ie***](mailto:deirdre.brophy@gmit.ie) ***before April 22nd and indicate if you would like to participate in person or online.***

*Irish Fish Biochronology Archive*

10:25 Introduction and agenda Deirdre Brophy

10:30 History of the Marine Institute scale archive Niall Ó’Maoiléidigh

10:45 Unlocking the archive: the development of The Irish Fish Biochronology Archive Deirdre Brophy

11:00 *Teas and Coffees*

*Scale Growth Analysis*

11:20 Synchronous growth trends in wild and ranched Atlantic salmon in the Burrishoole Aidan Long

11:35 Validating scale growth patterns in trout through mark-recapture Anna Stroh

*Analysis of scale composition*

11:50 Can trace elements in scales be used to reconstruct movements of salmonids? Elizabeth Tray

12:05 Using the biochemical and isotopic composition of fish scales to understand the

marine phase of Atlantic salmon Christina O’Toole

*Statistical modelling approaches*

12.20 Statistical methods for investigating temporal trends in fish growth and their drivers Louise Vaughan

12:35 Estimating yellow eel (*Anguilla anguilla* (L.)) fyke net selectivity using a partially

observed continuous Markov model Cóilín Minto

12:50 *Lunch*

*Linking the archive: selection of related research that draws on IFBA material and data*

14.00 Decadal trends in the migration phenology of diadromous fishes native to the

Burrishoole catchment, Ireland Elvira D’Eyto

14:15 Contemporary evolutionary dynamics of Atlantic salmon and their scope for adaptation

to multiple anthropogenic stressors including climate change Joshka Kaufmann

*Future Plans*

14:30 Towards sustaining and growing IFBA beyond the unlocking the archive project Deirdre Brophy

14:45 *Open discussion*

*15:30 Closing remarks*