

ICR(24)13

Draft outline of basin wide scale growth project

SAG

Many studies of growth and survival have already been performed

- Most of them on a regional or river by river scale
- Need for across-basin studies
- New methods may make studies with larger datasets more feasible

Scales are “flight data recorders” for individual fish

- Only information from the survivors
- Large collections of scales exists
- Extracting data from scale is labor intensive
- New methods have the potential to speed up the analysis
 - AI methods
 - Several initiatives are already working with new methods for developing AI assisted ways of extracting data from scales
- Standardization of input data from the start is vital for ensuring that data can be compared across rivers/regions
 - First step should be standardization workshop

Initial phase of the project

- Workshop to agree on standardization of how images are taken
- Development of AI generated data collection
- Identification relevant scale collections from all regions

Four steps for moving forward

- Standardization workshop
 - How to take images
 - Identifying available scale collection
- Gathering (taking) scale images
- Processing the images
- Analyzing the images

Budget (difficult at present, dependent on process)

- First step
 - Parties agrees to support participation on a standardization workshop (scoping meeting)
 - Online or in person?