



**Workshop 2005  
Leading the Way**

**Title: Salmonid egg to fry development - science and fish culture perspectives**

**Session Leader: John Jensen**

**Session description:**

**I will present a brief description of the salmonid embryo to fry development process, beginning with the final adult maturation process and ending with fry emergence or ponding time. Along the way I will touch on the following topics:**

- ⇒ Factors influencing the final stages of adult salmonid maturation (e.g. temperature)**
- ⇒ Gamete collection, storage and transport (e.g. duration and time)**
- ⇒ Fertilization (e.g. minimum sperm : egg ratio)**
- ⇒ Changes in sensitivity to mechanical shock (including zero-time disinfection with iodine) from fertilization to hatch**
- ⇒ Embryo development and factors (e.g. temperature, oxygen, water flow rates) influencing growth and survival during incubation (IncubWIN & WinSIRP programs)**