

# Indicators/Measurements

Choriogenin in Male Fish  
Apoptosis in Gonads  
Fecundity, Gamete Viability,  
Fertilization, GSI  
Embryo/Larval Development &  
Growth  
Sex Ratios/Imposex/Intersex  
P-450 inhibition (e.g. CYP19)

DNA Damage  
Histopathology  
Apoptosis

Metallothionein Status  
P-450 Enzyme Induction  
Acetylcholinesterases  
Ah- and Estrogen- Receptor  
Activities

DEB  
Models

Population-Level Effects

Reproductive Effects

Individual Health Effects

Exposure to Stressors

With EIC

With EIC

With BBC

Figure 2. Relating subcellular & molecular responses to reproduction & population viability