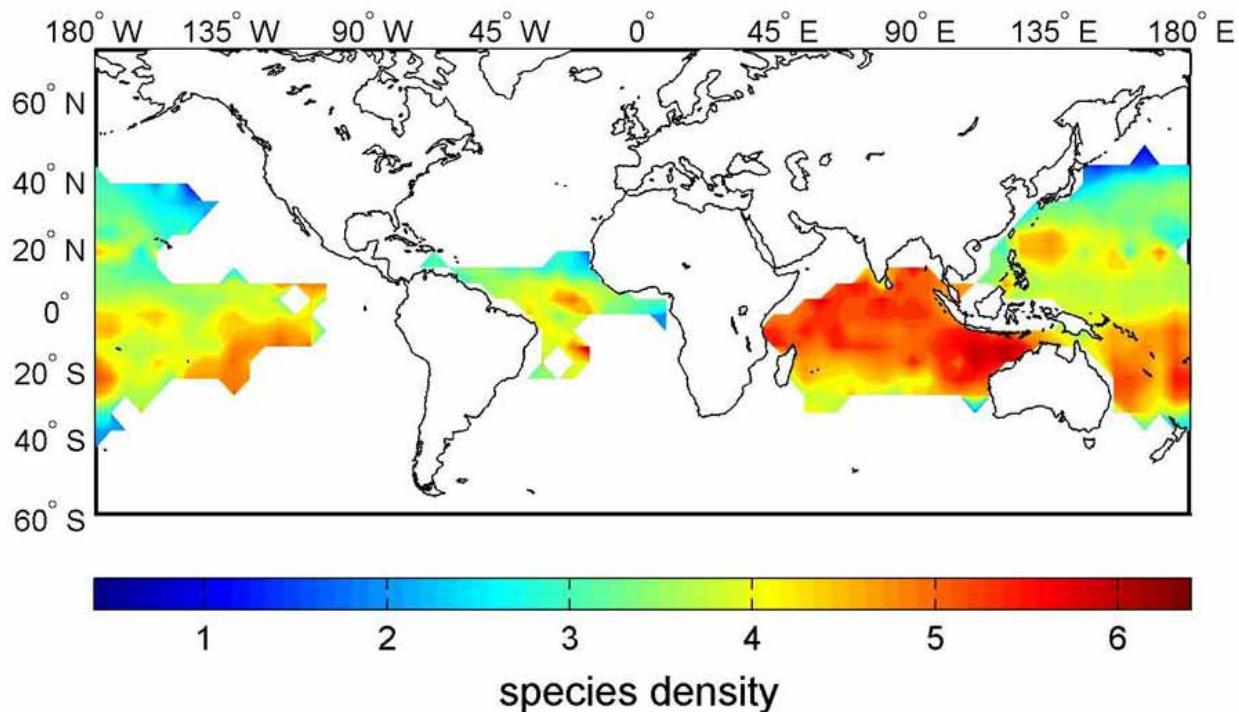
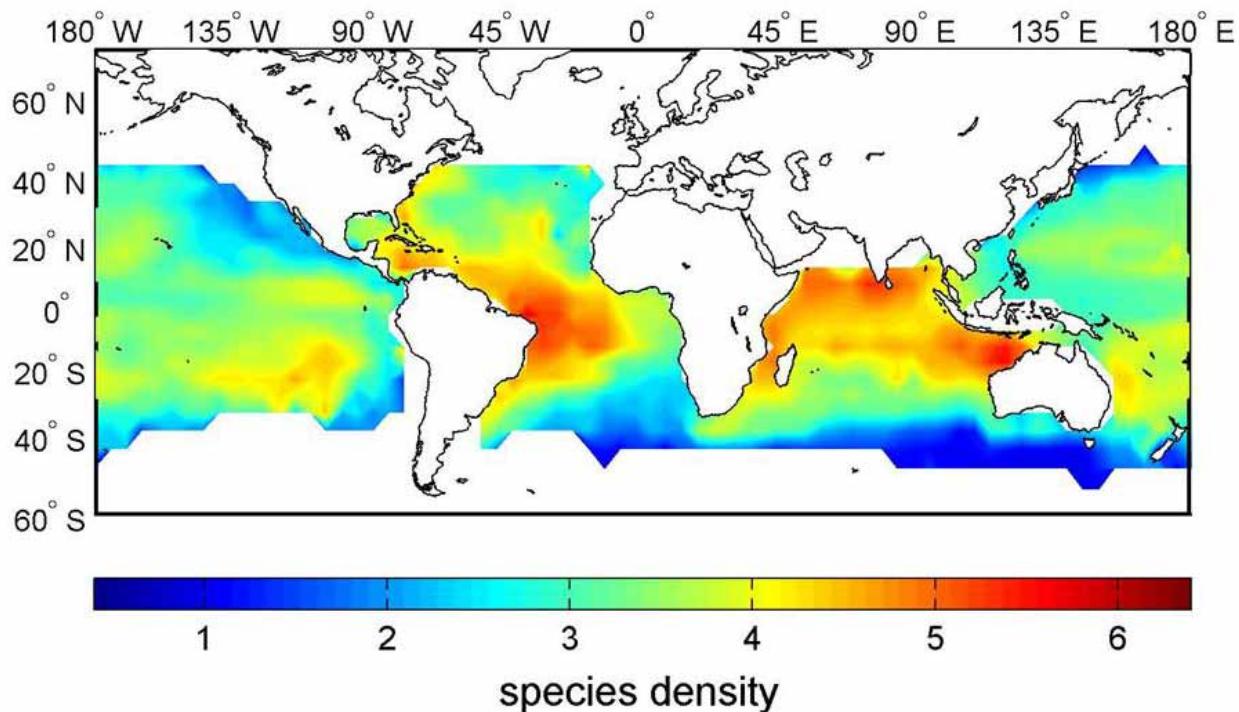
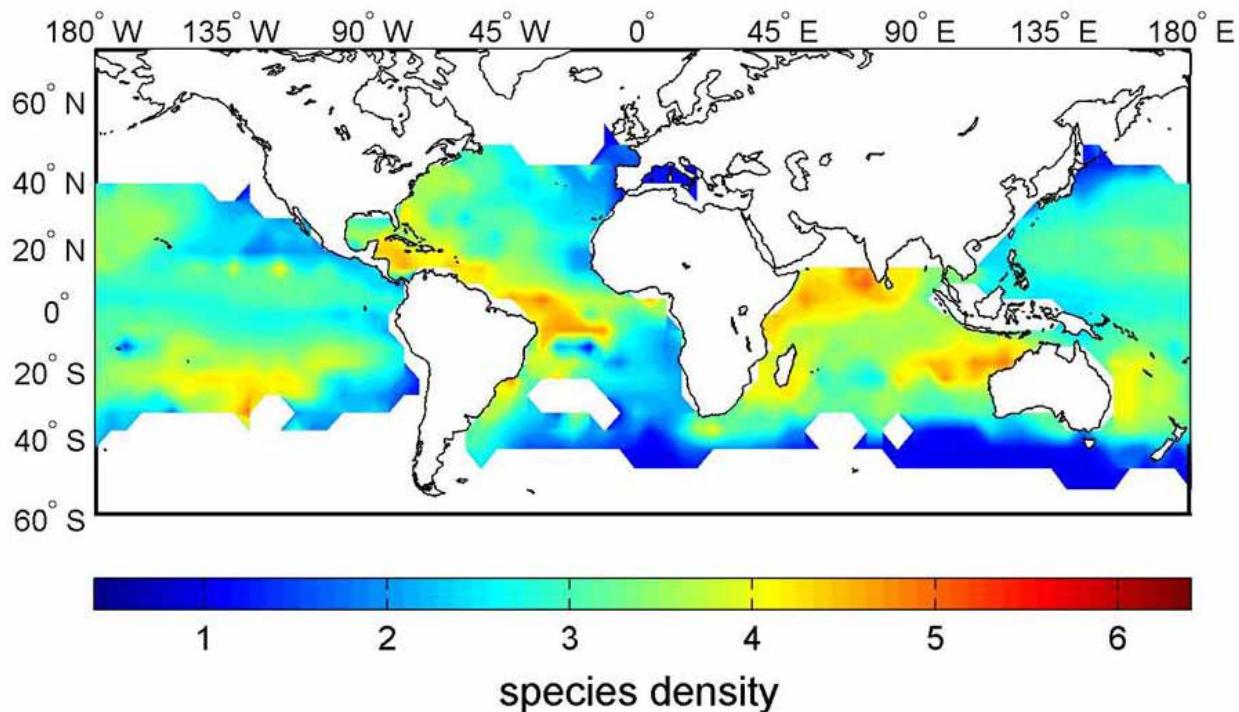


**1950s**

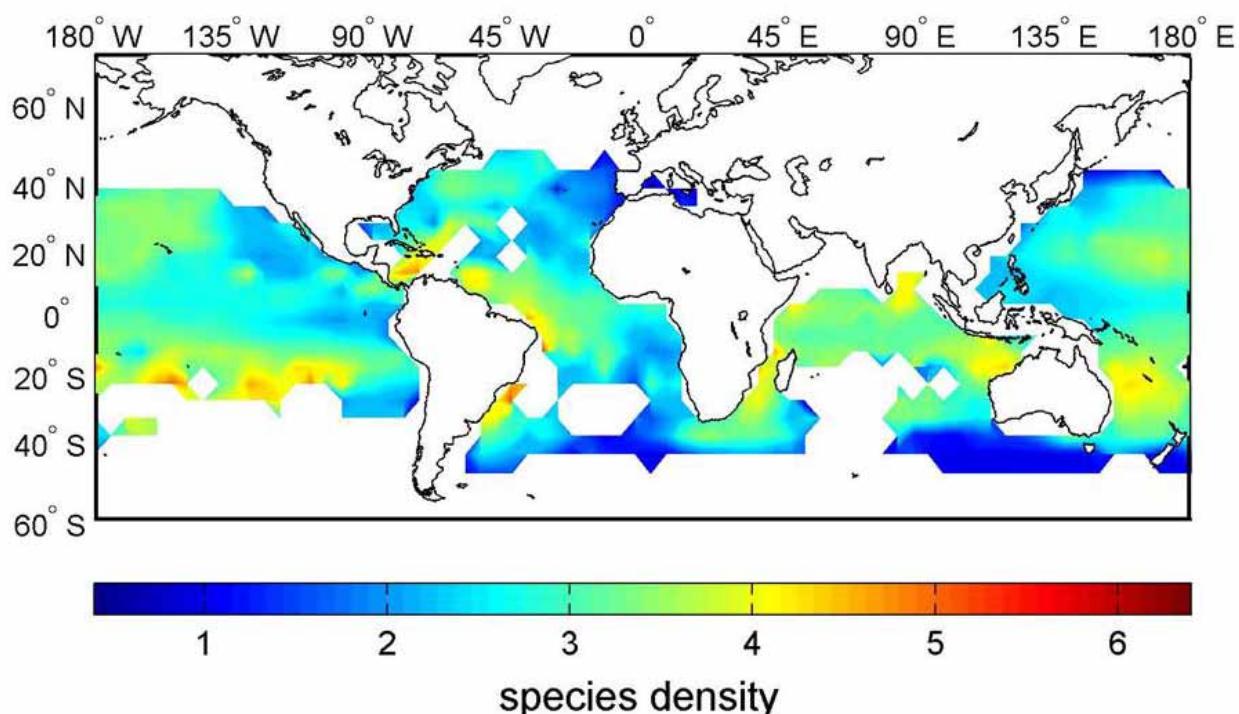
Source: Worm et al. 2005. Science: in press

**1960s**

Source: Worm et al. 2005. Science: in press

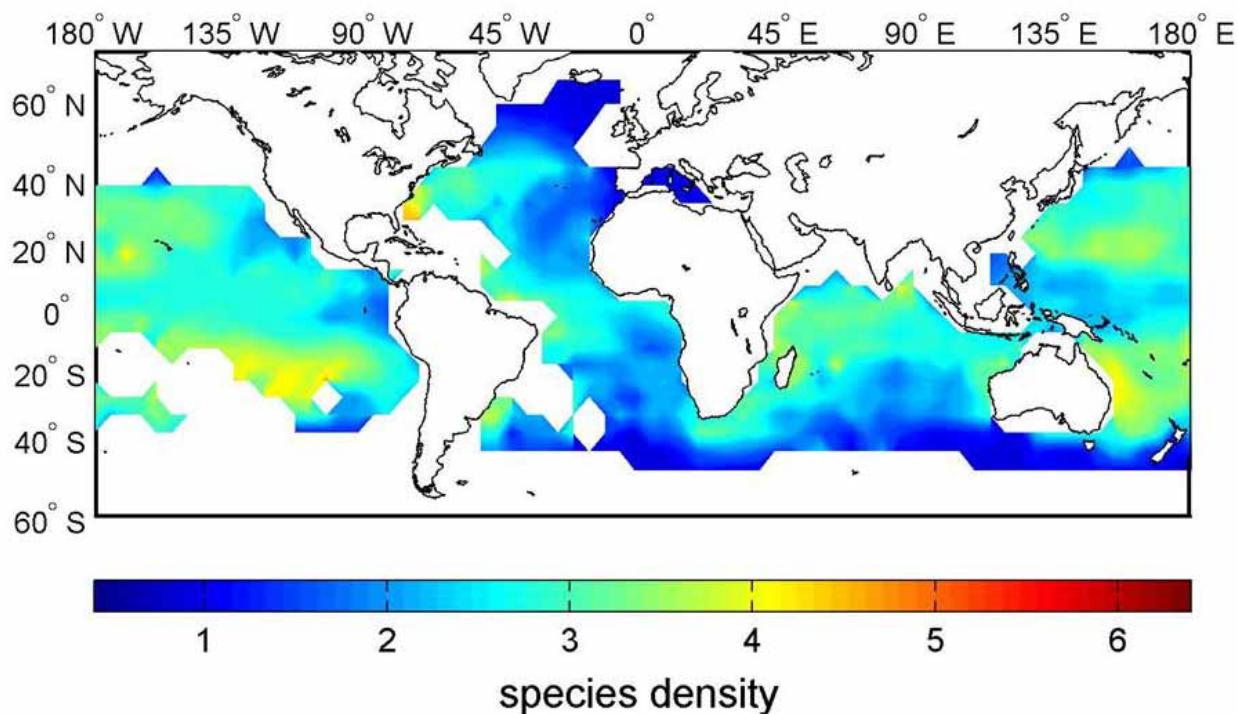
**1970s**

Source: Worm et al. 2005. Science: in press

**1980s**

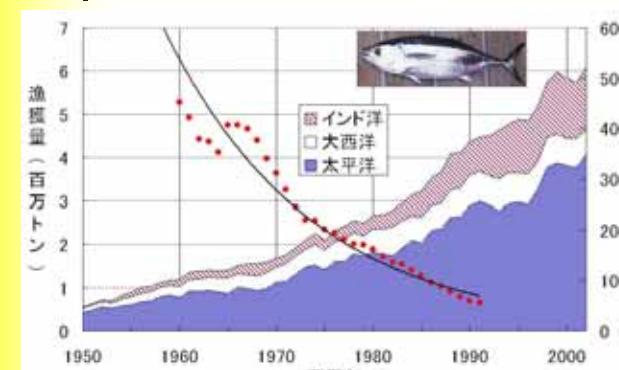
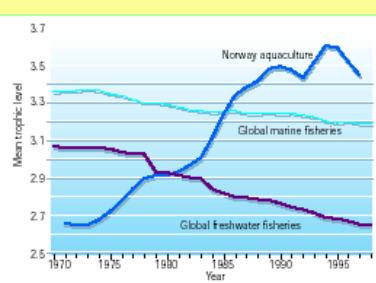
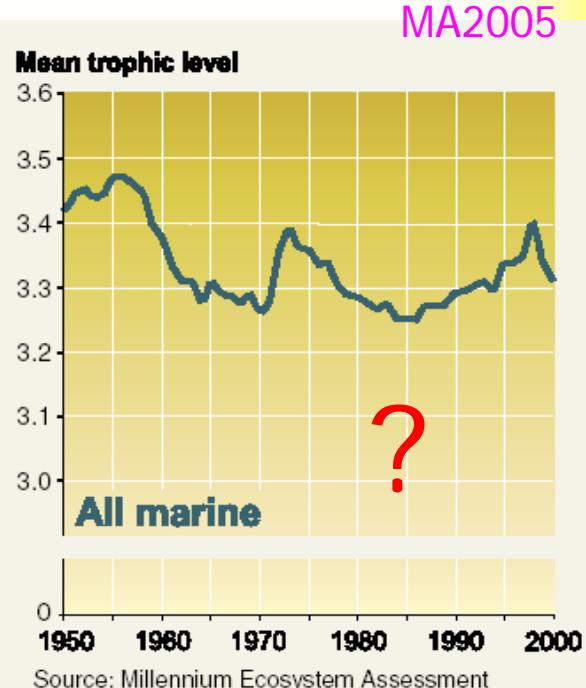
Source: Worm et al. 2005. Science: in press

1990s



Source: Worm et al. 2005. Science: in press

## 高級魚枯渇と漁獲対象の 低栄養段階化 (Fishing Down)

Myers & Worm (2003)  
Nature, 松田(2006)Pauly et al.  
2002 Nature

Source: Millennium Ecosystem Assessment