

**DATA NEEDED FOR VPA**

**1 - Fisheries Data:**

- 1.1 Annual landings/Catch (weight)
- 1.2 Catch-at-age (number)
- 1.3 Abundance index: CPUE-at-age and/or survey abundance (number)
- 1.4 In the absence of 1.3 provide annual CPUE and/or Biomass index from survey (weight)

In the following tables a time frame starting in 1990 and an age range from 0 to 6 years is

**1.1 Catch (tonnes)**

Year	Catch
1990	
1991	
1992	
1993	
1994	
1995	
1996	
1997	
1998	
1999	
....	
....	
....	

**1.2 Catch-at-age data (thousands)**

Age	Year										
	1990	1991	1992	1993	1994	1995	1996	1997	...	...	
0											
1											
2											
3											
4											
5											
6											
...											
...											

**1.3 CPUE-at-age and/or survey abundance-at-age (thousands)**

Age	Year										
	1990	1991	1992	1993	1994	1995	1996	1997	...	...	
0											
1											
2											
3											
4											
5											
6											
...											
...											

**1.4 CPUE (kg/hour, kg/haul ????)  
and/or Biomass index from survey (kg/hour, ???)**

Year	Index
1990	
1991	
1992	
1993	
1994	
1995	
1996	
1997	
1998	
1999	
....	
....	
....	