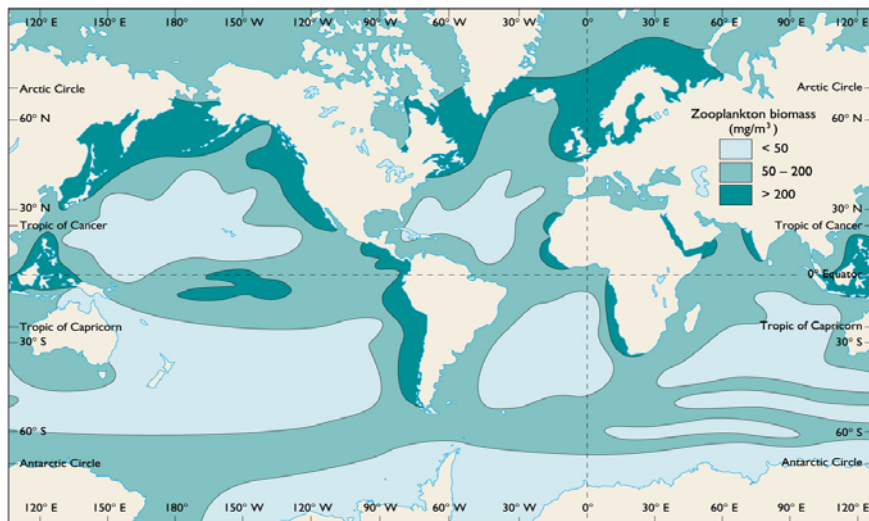
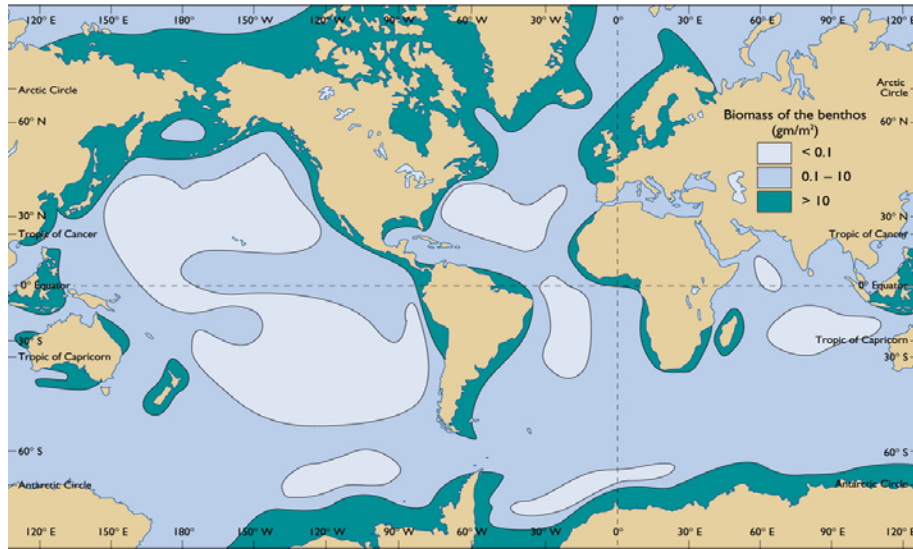


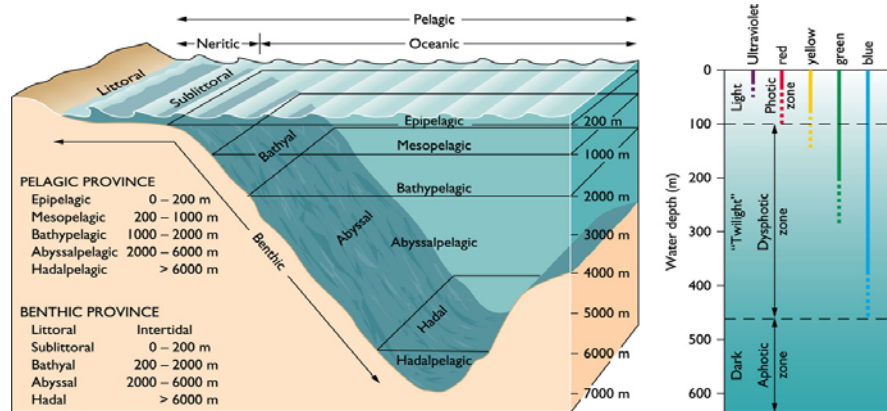
(a) PRIMARY PRODUCTIVITY



(b) ZOOPLANKTON BIOMASS

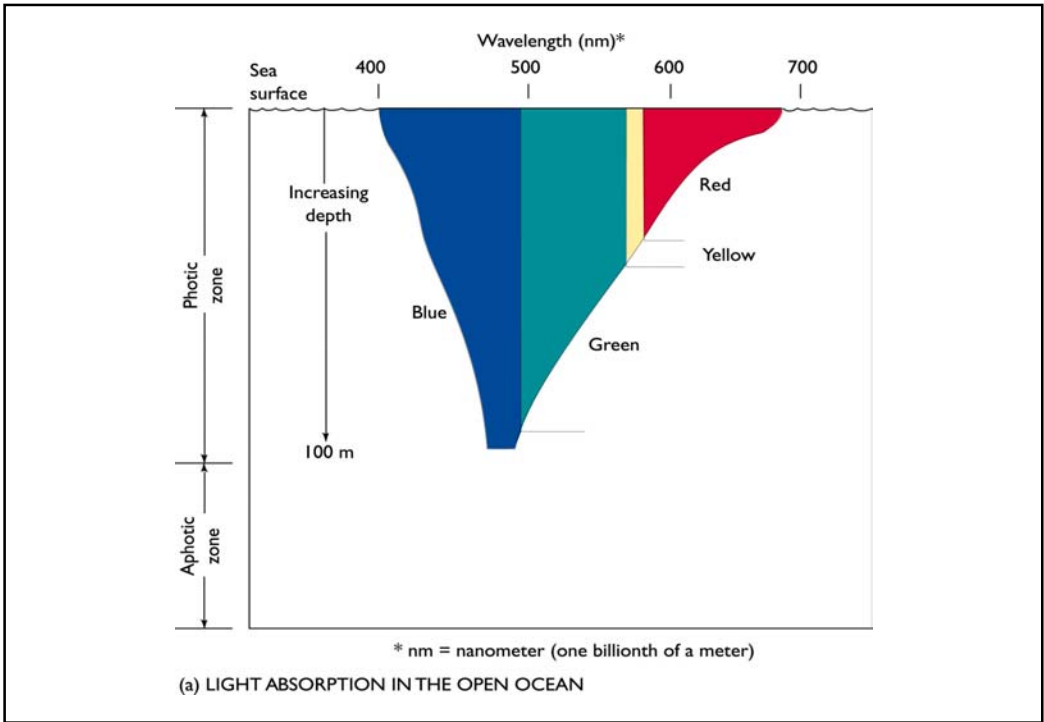
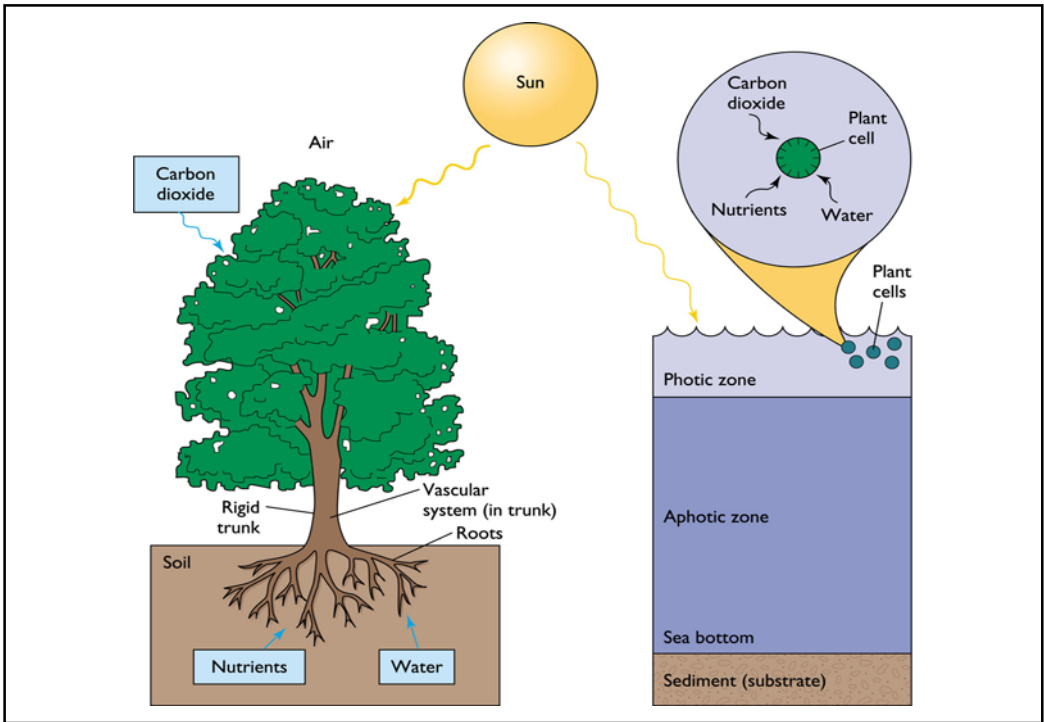


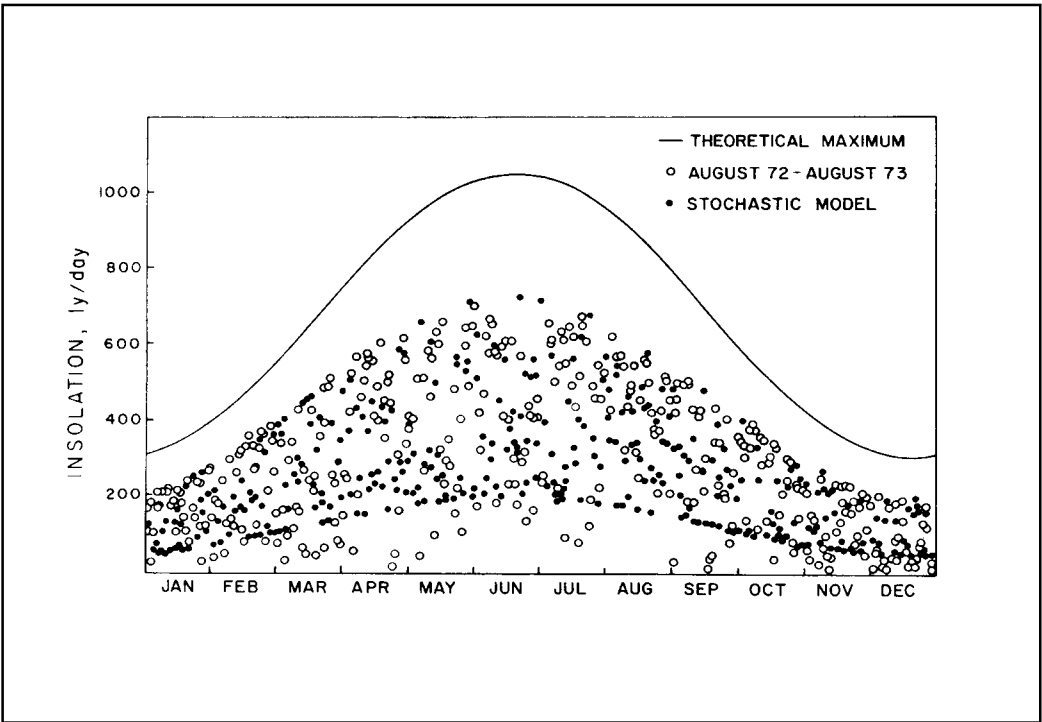
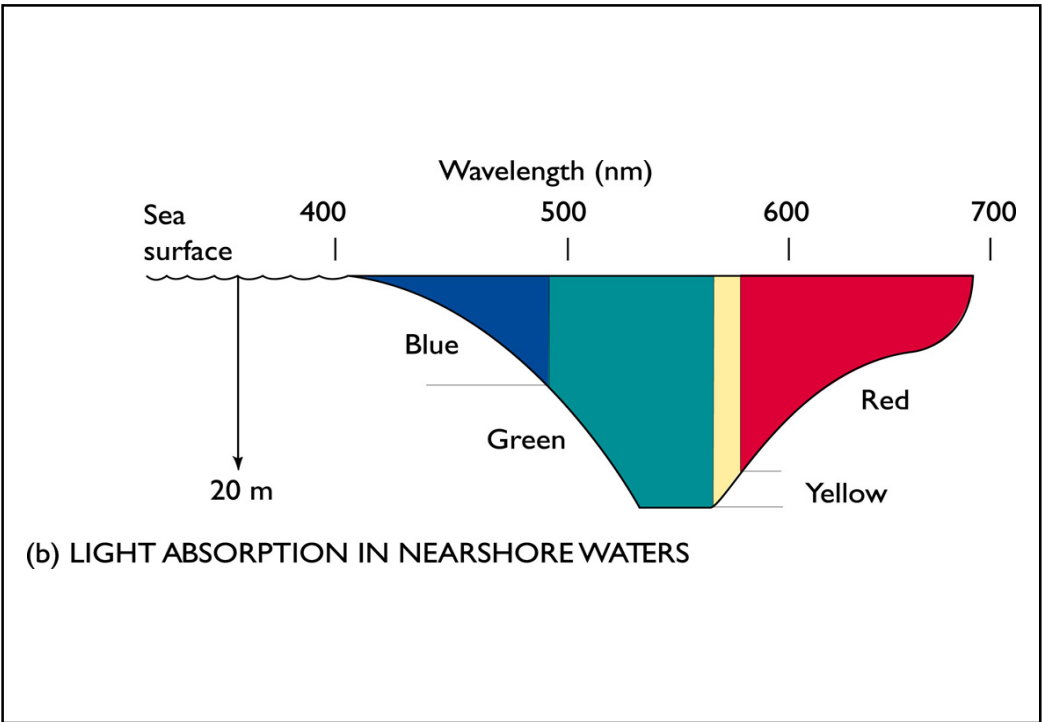
(c) BENTHIC BIOMASS

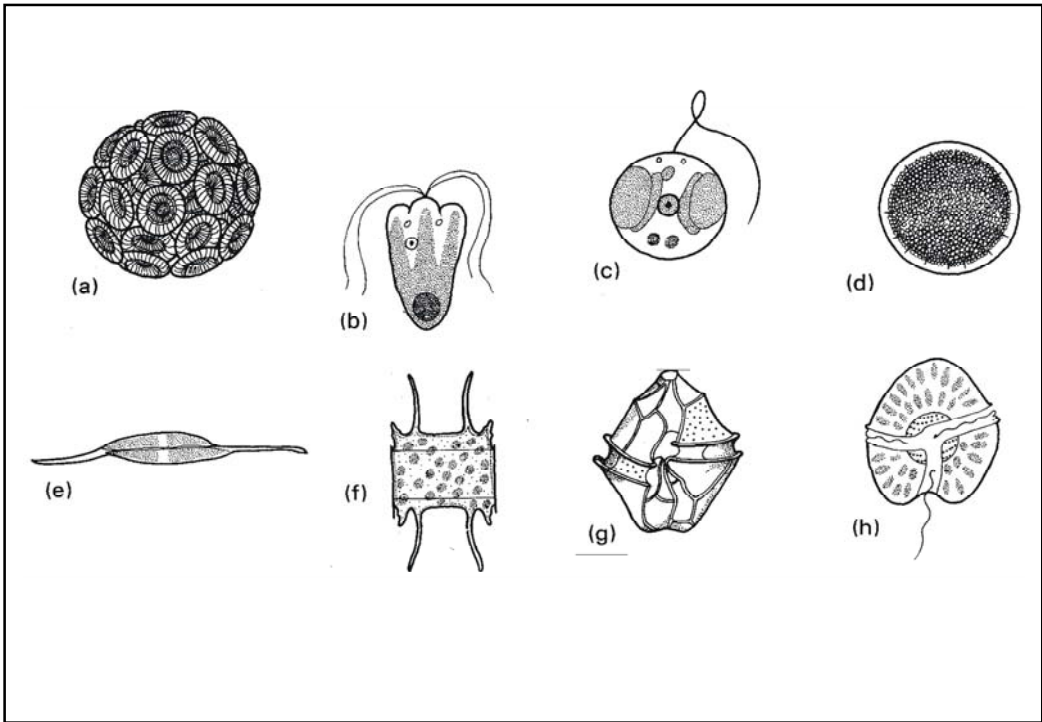
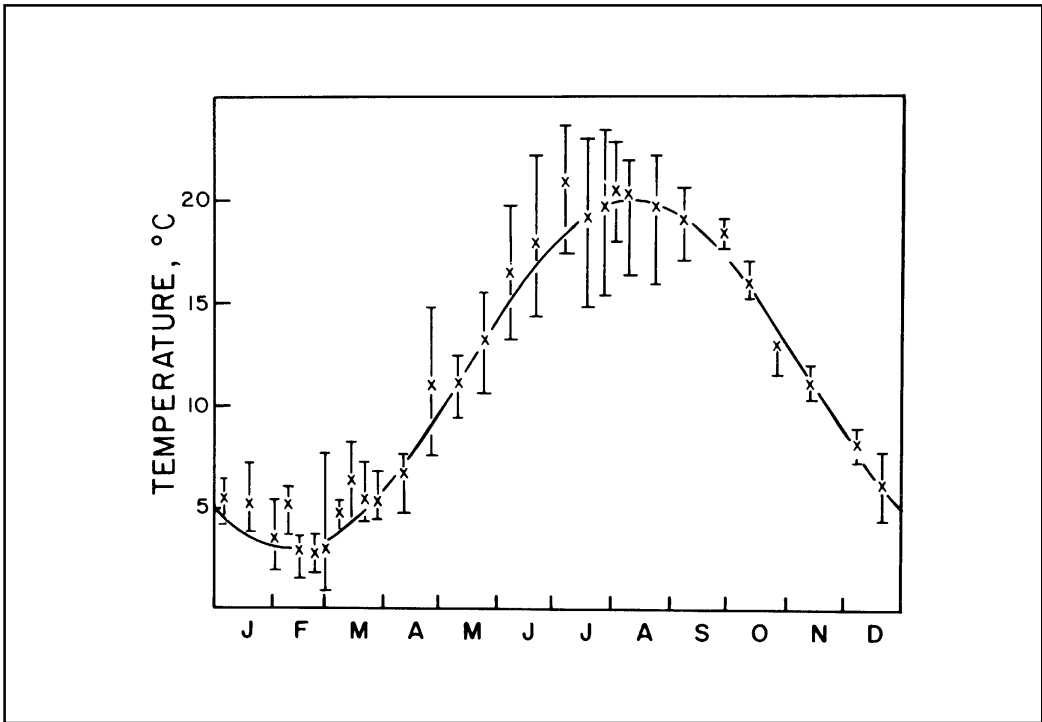


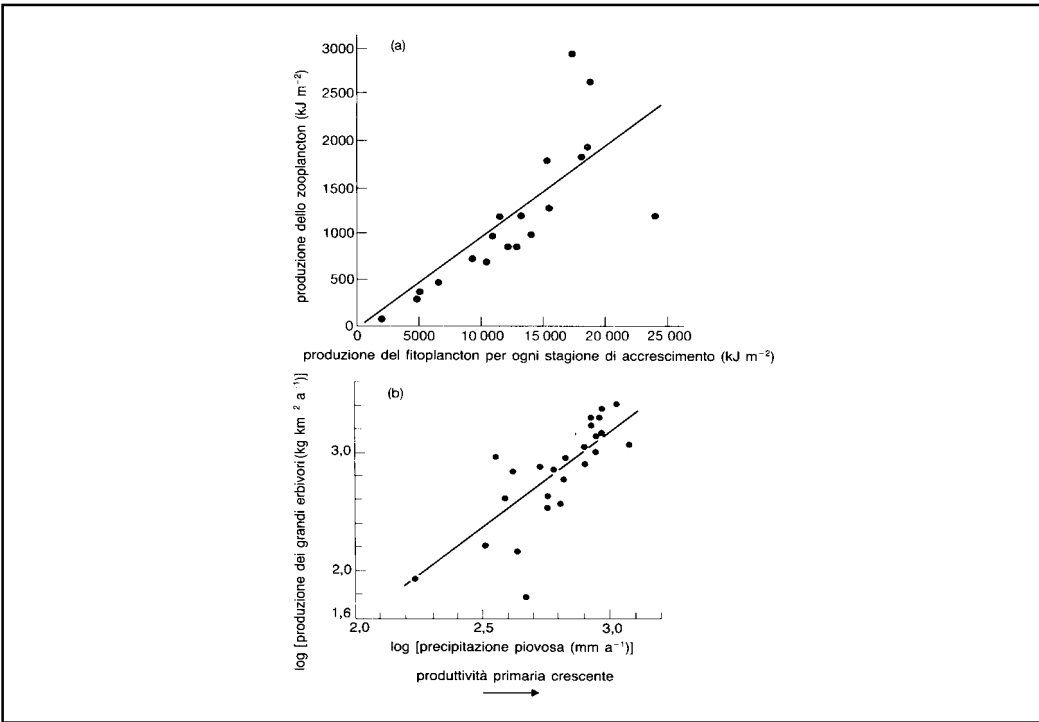
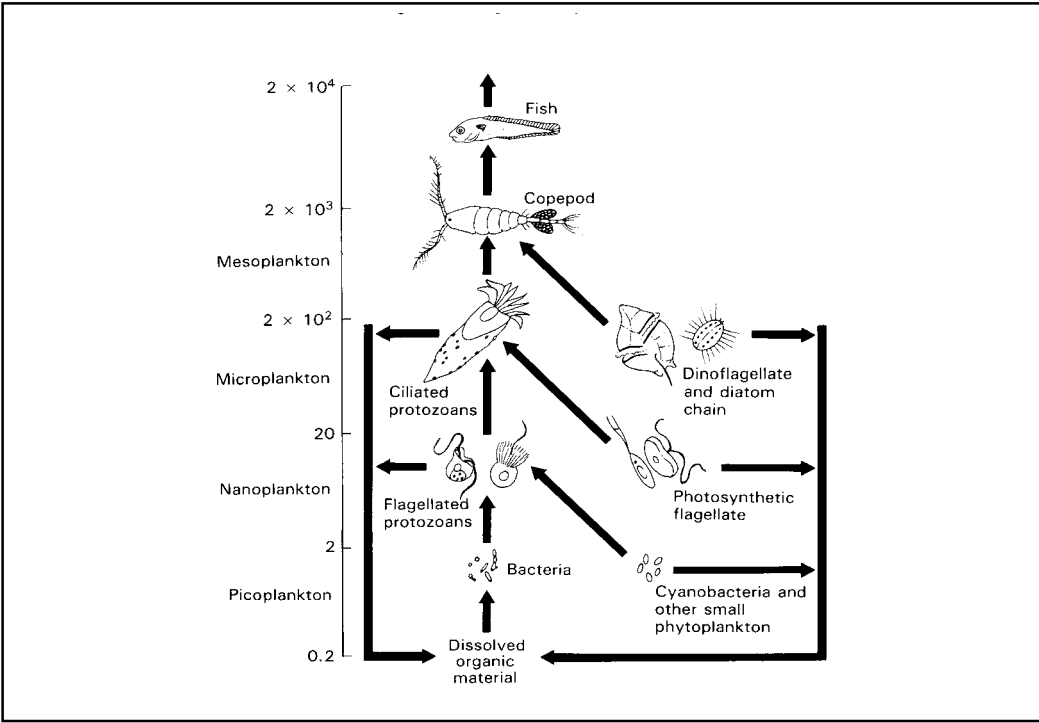
(a) BIOZONES

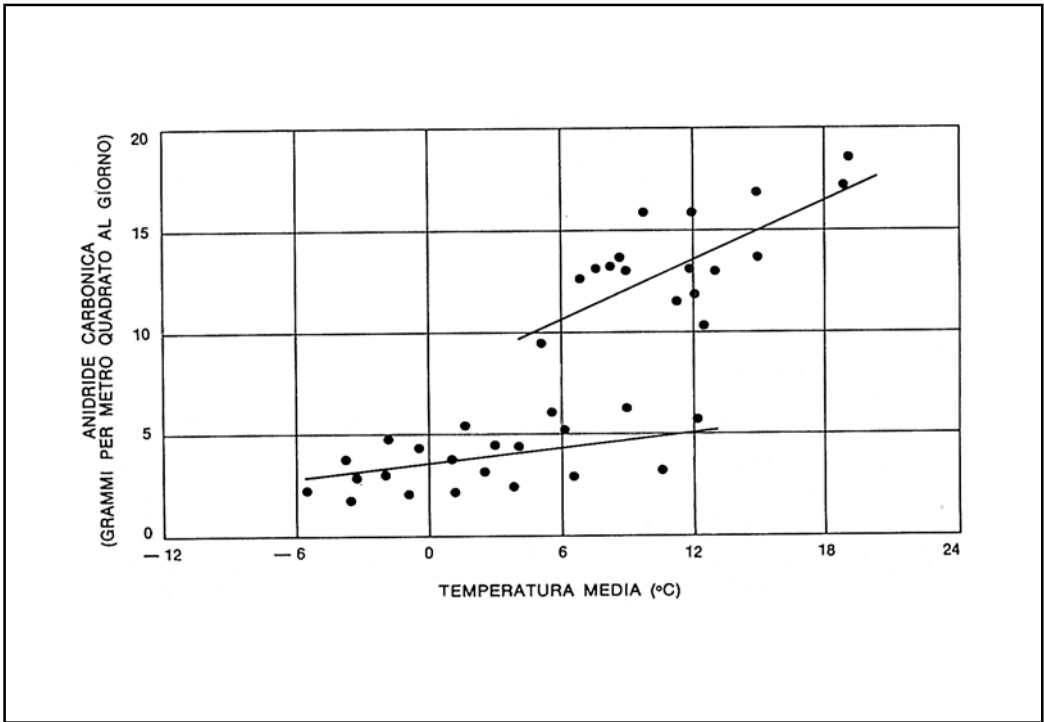
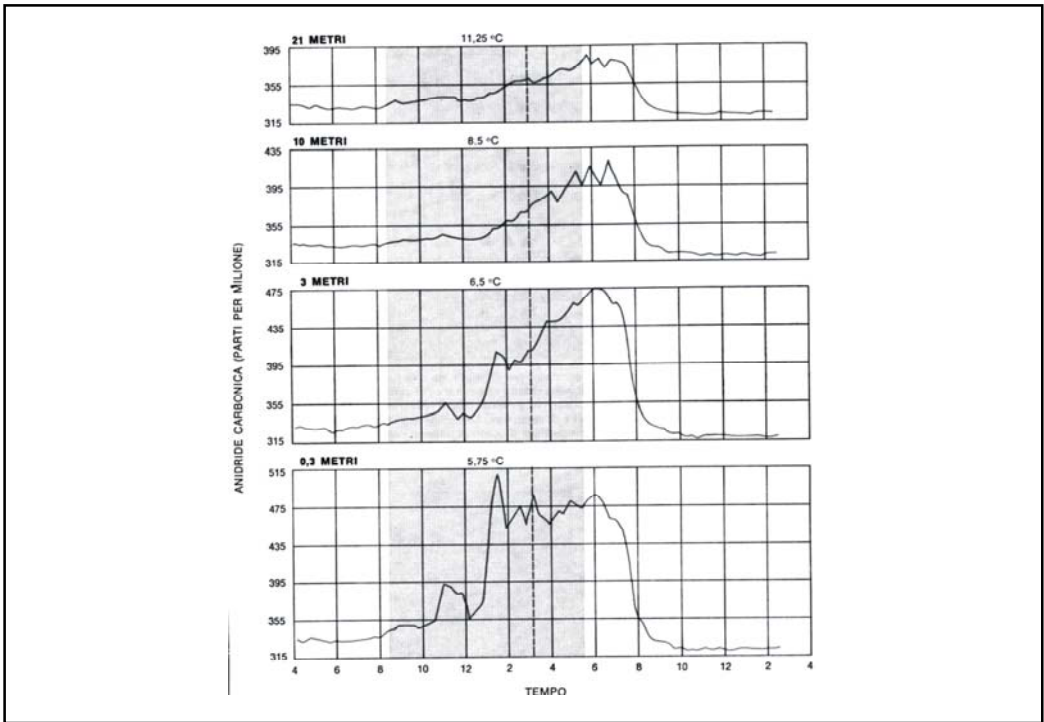
(b) LIGHT ZONES

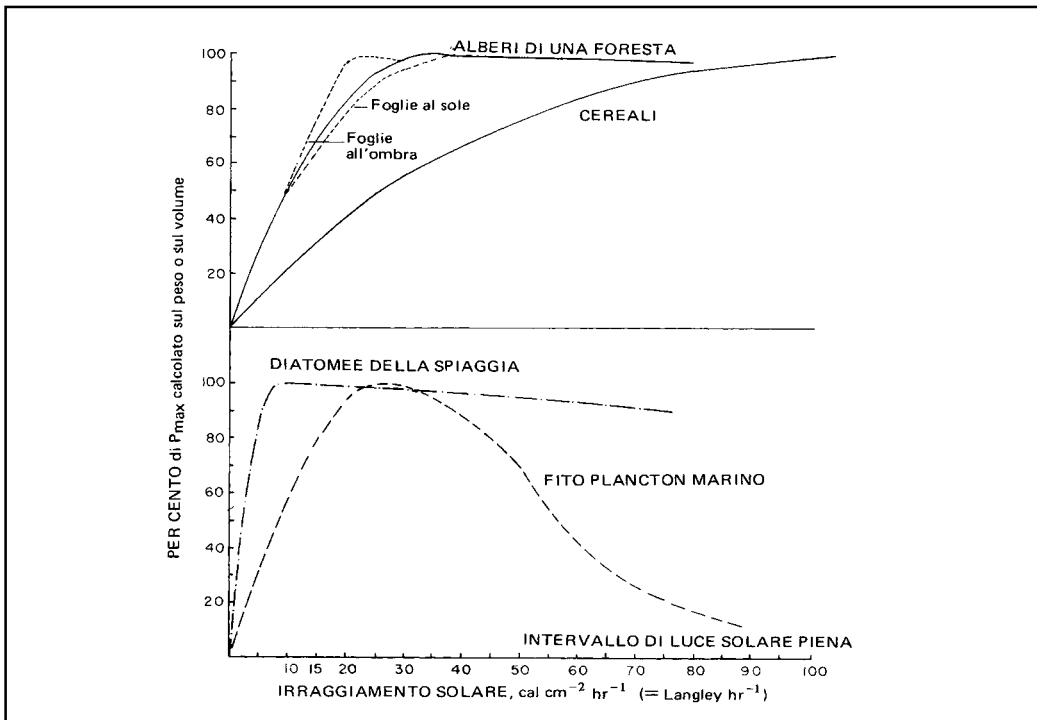
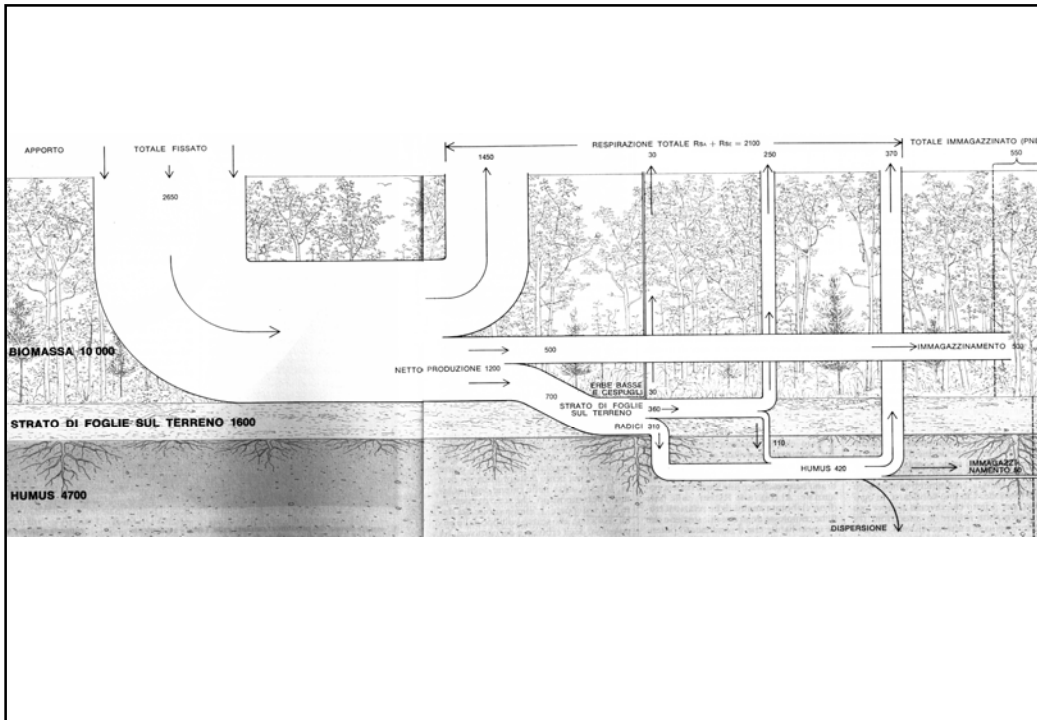


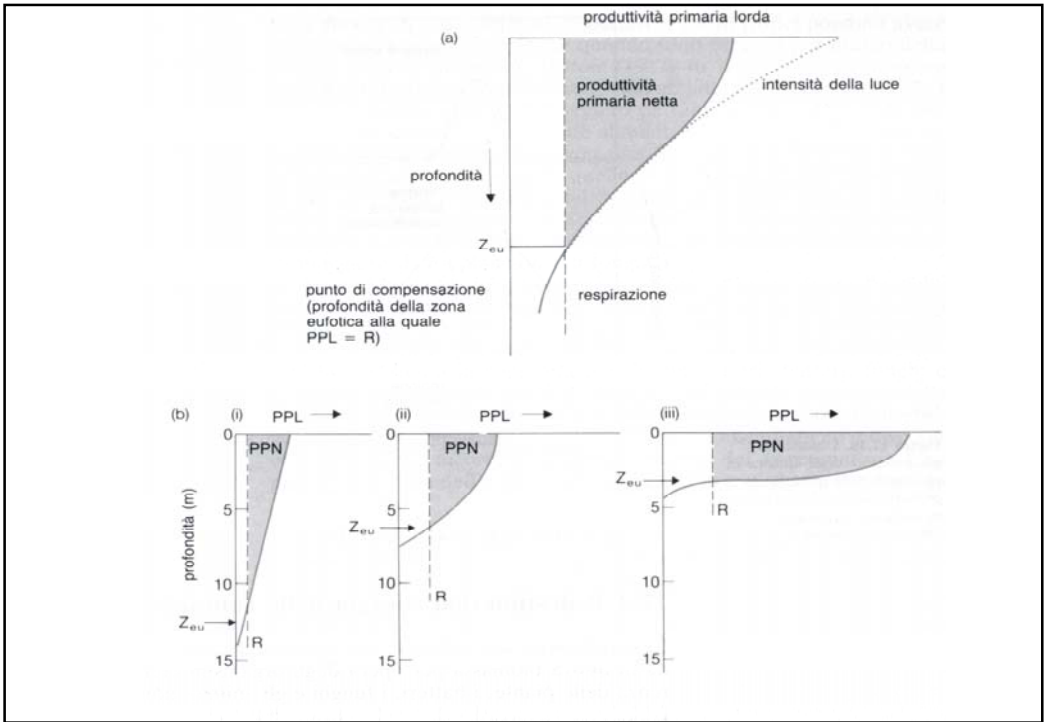
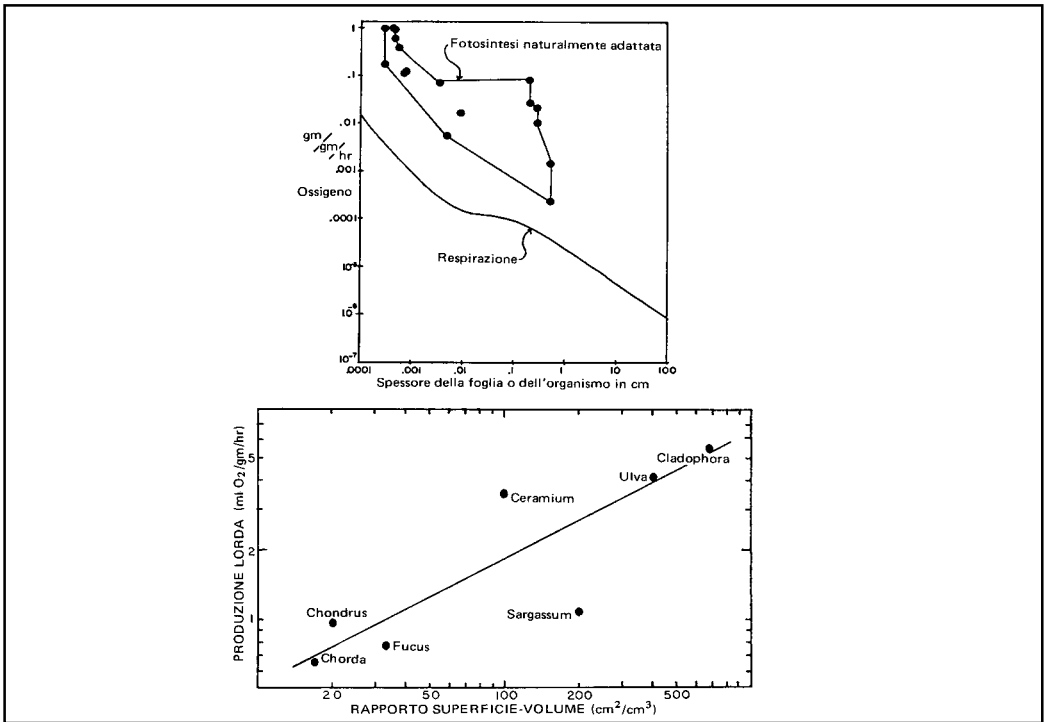


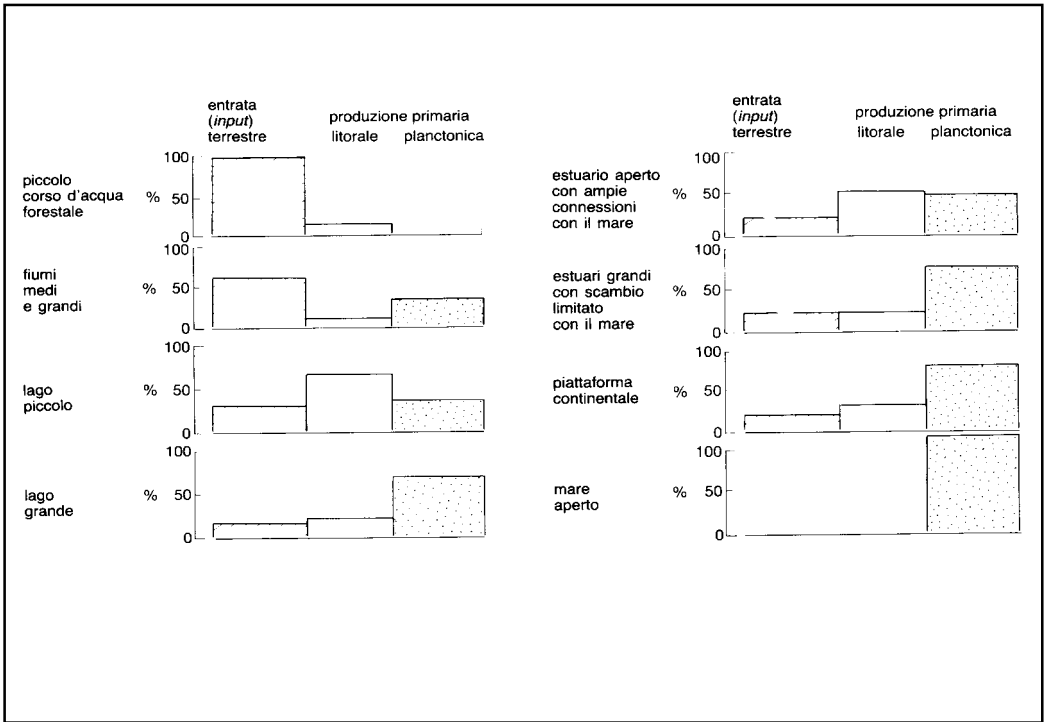
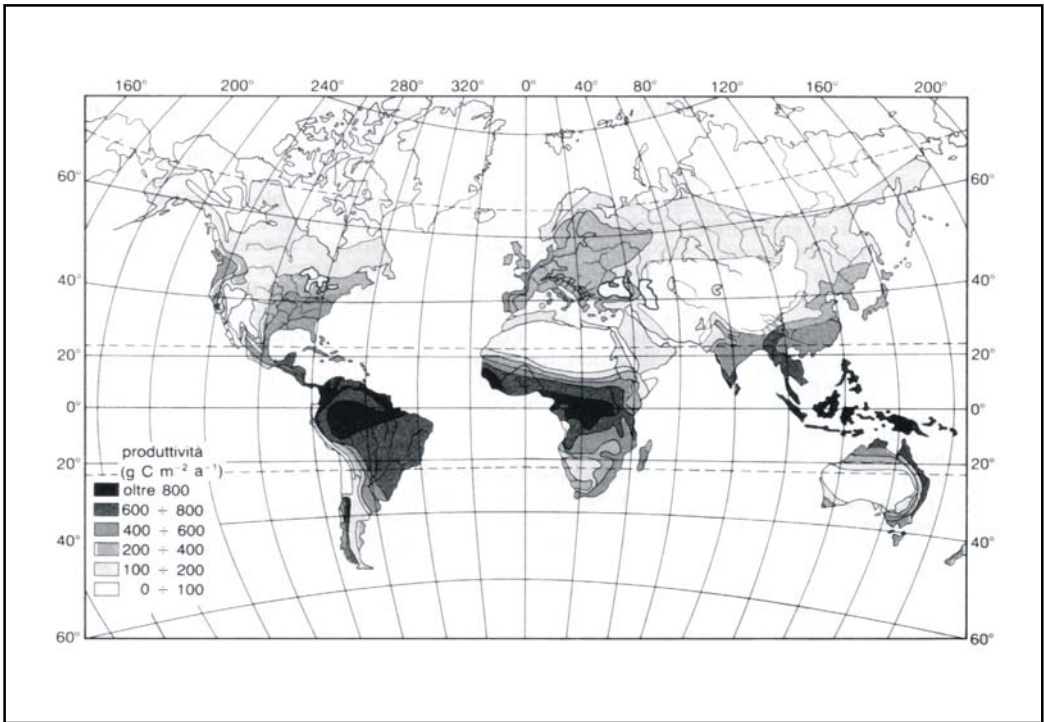








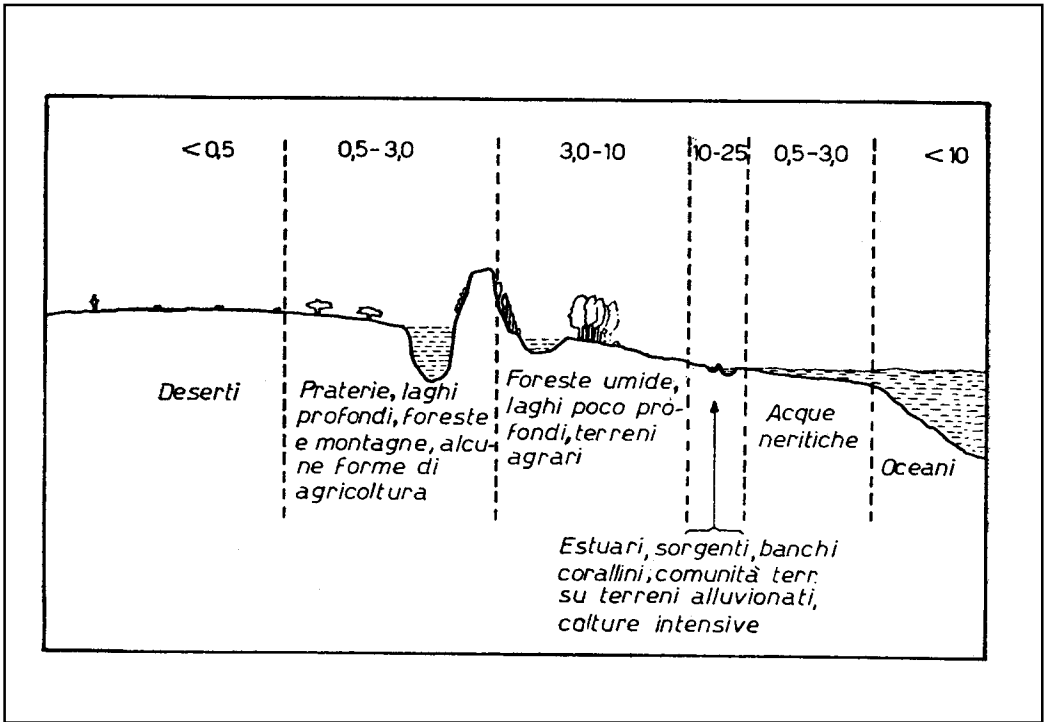
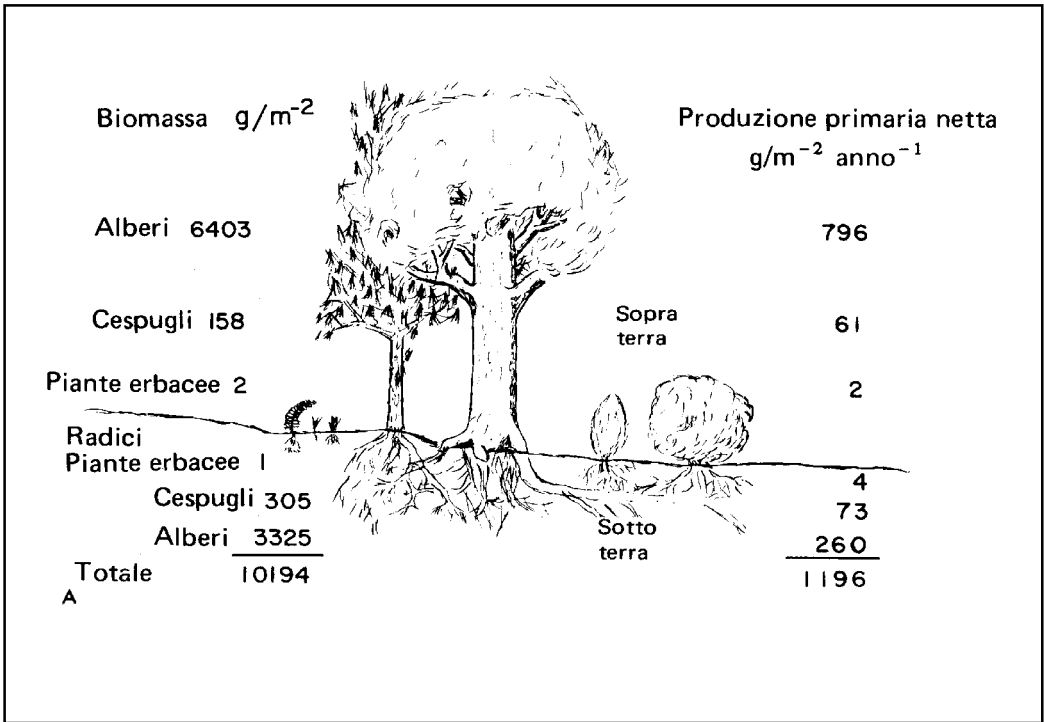


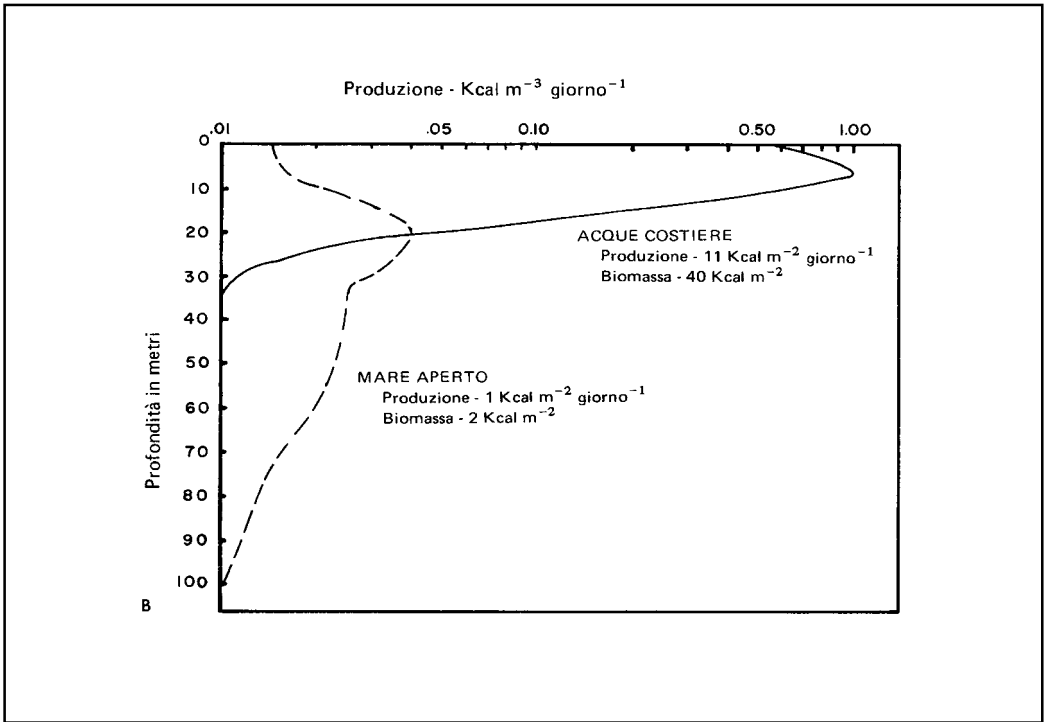
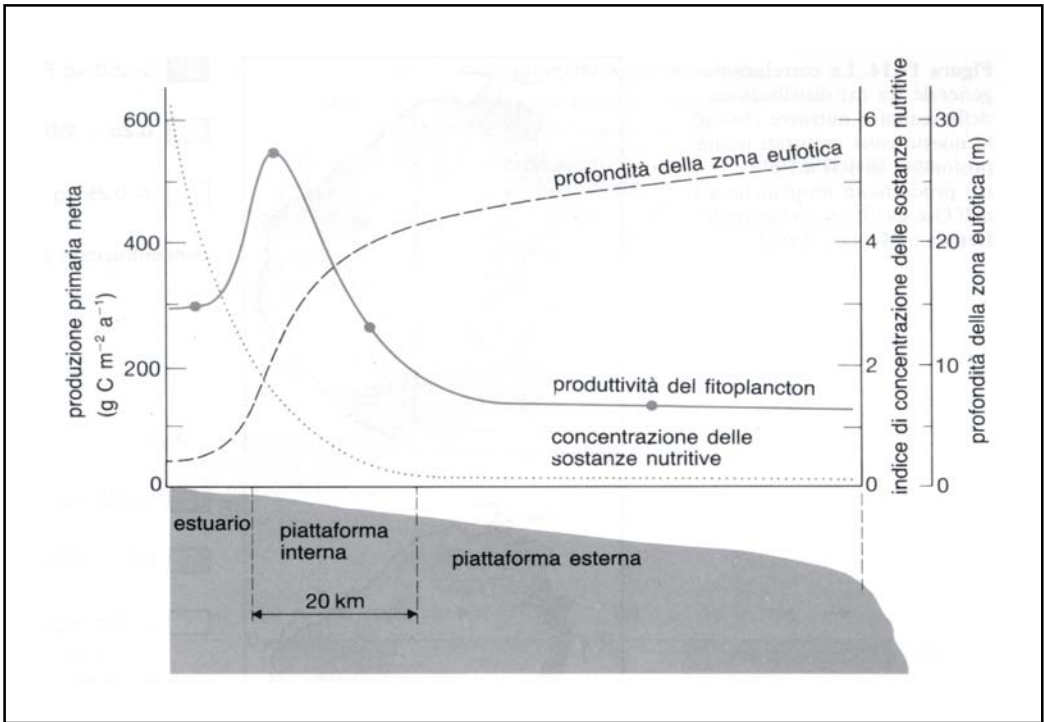


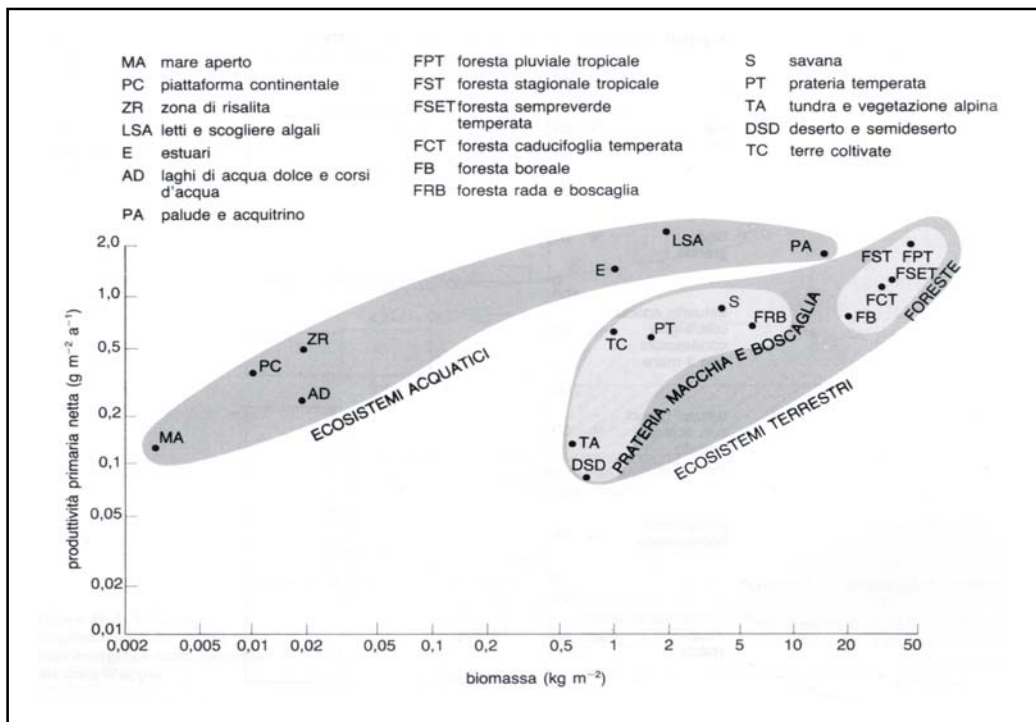
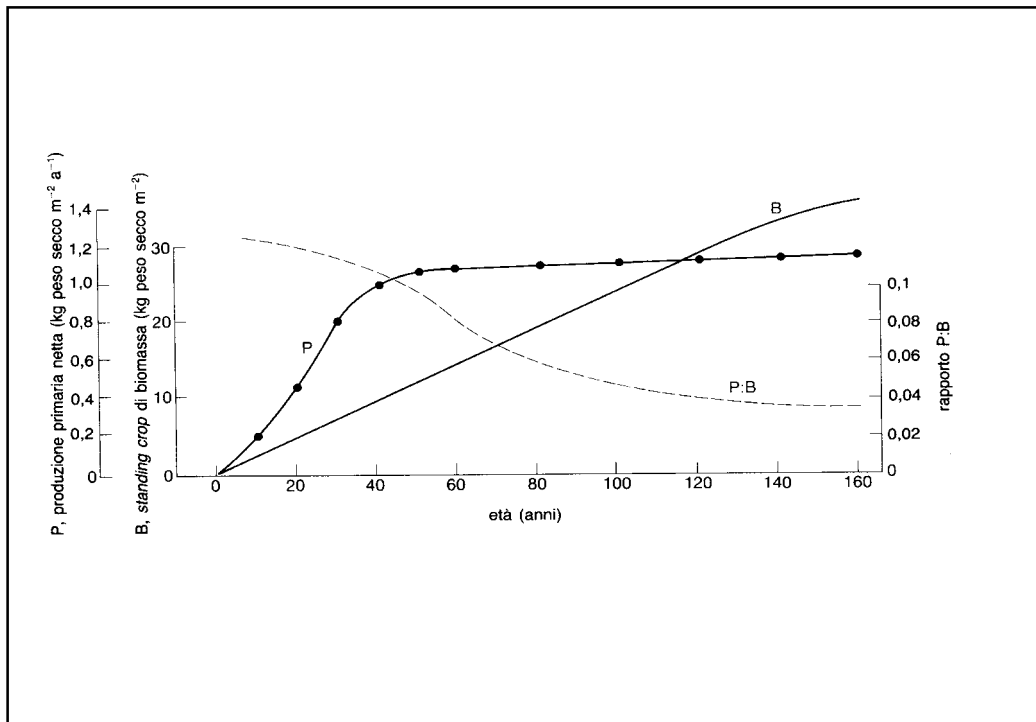
	Surface area (10 ⁶ km ²)	Approx. volume of biosphere ^a (10 ⁶ km ³)	Net plant production (10 ⁹ tonnes year ⁻¹)		Animal production (10 ⁶ tonnes year ⁻¹)
Terrestrial	145	14.5	110.5		867
Aquatic	365	1445	59.5		3067
Ratio	1:2.5	1:99	1:0.54		3.54:1

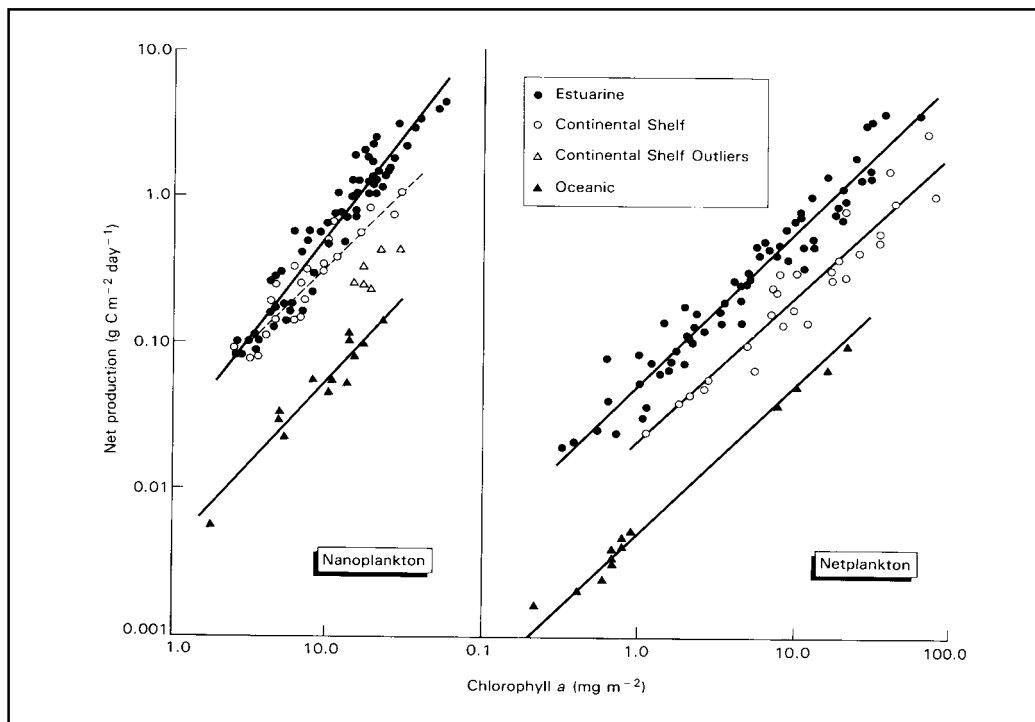
Group (size)	Biomass (g m ⁻²)	Organic carbon concentration (mg m ⁻²)	<i>P/B</i>	<i>P/B</i> ^a	Annual production (mg C m ⁻²)
Bacteria (1–3 μm)	0.2–2	20–210	100–250	10–25	200–5250
Meiofauna (>40 μm)	0.05–0.5	2–20	2–15	1–7	2–40
Macrofauna (>250 μm)	0.01–10	4–400	0.8–5	0.4–3	2–1000
Megafauna (>1 cm)	0.02–1	0.8–40	0.4–3	0.2–1	2–40
Fish (>10 cm)	0.02–1(?)	1–40	0.2–1.3	0.1–0.7	0.1–28
Abyssopelagic plankton (up to 50 m above bottom)	0.01–0.1	0.4–0.5	0.3–2	0.2–1	0.8–5
Total	0.31–14.6	28–695			207–6463

	Net production (g dry wt m ⁻² year ⁻¹)	Biomass (kg dry wt m ⁻²)	Annual <i>P/B</i>	Chlorophyll (g m ⁻²)
Marine water				
Open ocean	125	0.003	42	0.03
Upwellings	500	0.02	25	0.3
Continental shelf	300	0.001	300	0.2
Near-shore reefs	2500	2	1.3	2
Estuaries	1500	1	1.5	1
Fresh water				
Wetlands	3000	15	0.2	3
Lakes and streams	20–8000	0.02	20	0.2









Tipo di ecosistema	Area (10 ⁶ km ²)	Produttività primaria netta riferita all'unità di area (g m ⁻² o t km ⁻²)		Produttività primaria netta mondiale (10 ⁶ t)	Biomassa riferita all'unità di area (kg m ⁻²)		Biomassa mondiale (10 ⁶ t)
		intervallo	valore		intervallo	valore	
		normale	medio		normale	medio	
foresta pluviale tropicale	17,0	1000÷3500	2200	37,4	6÷80	45	765
foresta stagionale tropicale	7,5	1000÷250	1600	12,0	6÷60	35	260
foresta sempreverde temperata	5,0	600÷2500	1300	6,5	6÷200	35	175
foresta caducifolia temperata	7,0	600÷2500	1200	8,4	6÷60	30	210
foresta boreale	12,0	400÷2000	800	9,6	6÷40	20	240
foresta rada e boscaglia	8,5	250÷1200	700	6,0	2÷20	6	50
savana	15,0	200÷2000	900	13,5	0,2÷15	4	60
prateria temperata	9,0	200÷1500	600	5,4	0,2÷5	1,6	14
tundra ed ecosistema alpino	8,0	10÷400	140	1,1	0,1÷3	0,6	5
boscaglia deserticola e semideserticola	18,0	10÷250	90	1,6	0,1÷4	0,7	13
deserto estremo, roccia, sabbia e ghiaccio	24,0	0÷10	3	0,07	0÷0,2	0,02	0,5
terre coltivate	14,0	100÷3500	650	9,1	0,4÷12	1	14
palude e acquitrino	2,0	800÷3500	2000	4,0	3÷50	15	30
lago e corso d'acqua	2,0	100÷150	250	0,5	0÷0,1	0,02	0,05
totale continentale	149		773	115		12,3	1837
mare aperto	332,0	2÷400	125	41,5	0÷0,005	0,003	1,0
zone di risalita (<i>upwelling</i>)	0,4	400÷1000	500	0,2	0,005÷0,1	0,02	0,008
piattaforma continentale	26,6	200÷600	360	9,6	0,001÷0,04	0,01	0,27
letti e scogliere algali	0,6	500÷4000	2500	1,6	0,04÷4	2	1,2
estuari	1,4	200÷3500	1500	2,1	0,001÷6	1	1,4
totale marino	361		152	55,0		0,01	3,9
totale generale	510		333	170		3,6	1841

