



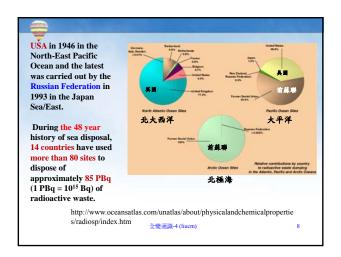


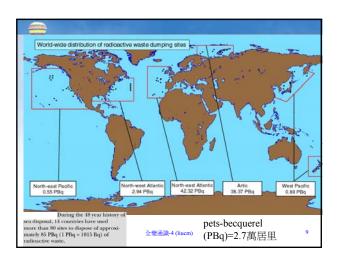


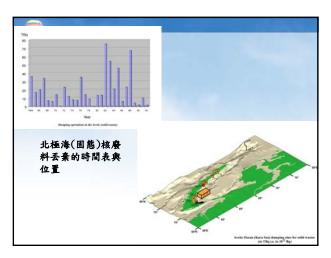




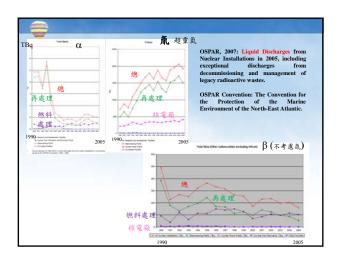
Between 1964 and 1991 the former Soviet Union dumped the total of 4,900 containers of solid nuclear waste in Arctic seas, and 6,868 containers in the Pacific. Furthermore, the Russian navy simply sank 57 vessels filled with nuclear waste. Sixteen decommissioned reactors were also sent to the deep, including six with unloaded fuel.







1993: the London Convention is AMENDED and PROHIBITS PERMANENTLY the dumping of radioactive and industrial wastes at sea, and ocean incineration. 倫敦公約 Every year millions of litres of radioactive waste are being routinely pumped into the sea from nuclear reprocessing plants. Each year, the total amount of radioactivity discharged into the environment from Europe's giant reprocessing plants at Sella field, in the United Kingdom, and La Hague, in France, exceeds that dumped in many of the world's 80 known ocean dump sites. (核料處理廠 仍持續丟棄含輻射性廢棄物) The OSPAR members' Environment Ministers committed to "substantial reductions or elimination" of radioactive discharges by 2000, in order to ensure close to zero concentrations of artificial radio nuclides in the environment by 2020. (2020年希望零輻射廢棄物) 11 全變通識-4 (liucm)







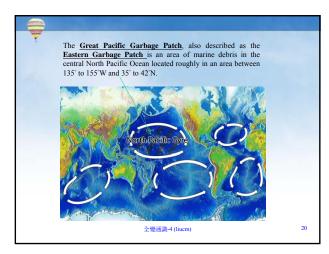




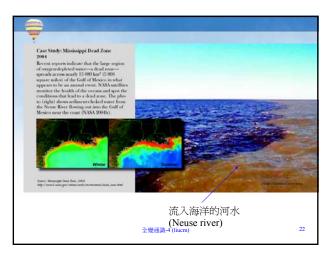










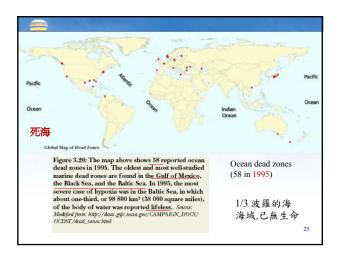


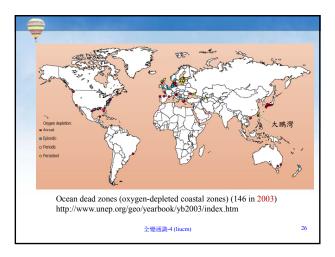
What is the Gulf of Mexico Dead Zone?

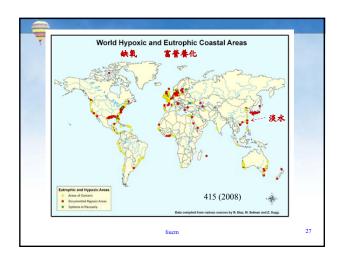
The Gulf of Mexico dead zone is an area of hypoxic (less than 2 ppm dissolved oxygen, 溶氧量低於2ppm) waters at the mouth of the Mississippi River. Its area varies in size, but can cover up to 6,000-7,000 square miles. The zone occurs between the inner and mid-continental shelf in the northern Gulf of Mexico, beginning at the Mississippi River delta and extending westward to the upper Texas coast.

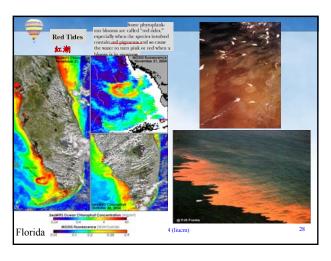
The dead zone is caused by nutrient enrichment from the Mississippi River, particularly nitrogen and phosphorous. Watersheds within the Mississippi River Basin drain much of the United States, from Montana to Pennsylvania and extending southward along the Mississippi River. Most of the nitrogen input comes from major farming states in the Mississippi River Valley, including Minnesota, Iowa, Illinois, Wisconsin, Missouri, Tennessee, Arkansas, Mississippi, and Louisiana. Nitrogen and phosphorous enter the river through upstream runoff of fertilizers, soil erosion, animal wastes, and sewage. In a natural system, these nutrients aren't significant factors in algae growth because they are depleted in the soil by plants. However, with anthropogenically increased nitrogen and phosphorus input, algae growth is no longer limited. Consequently, algal blooms develop, the food chain is altered, and dissolved oxygen in the area is depleted. 全變通識-4 (liucm)

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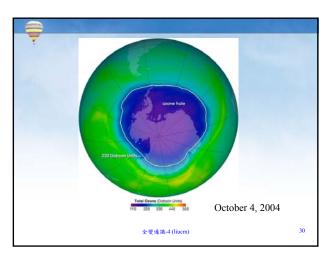


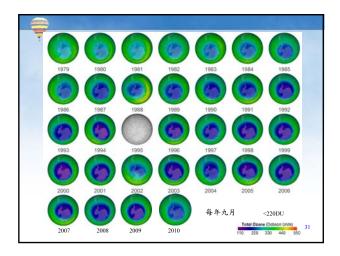


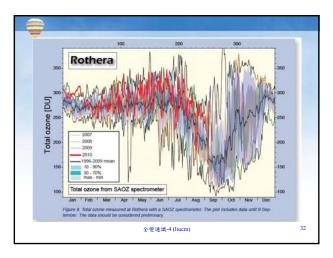


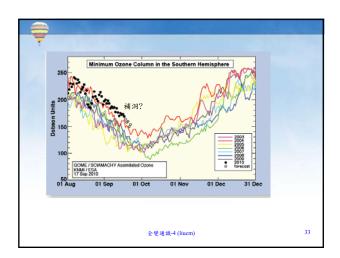


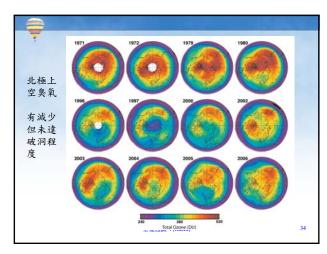


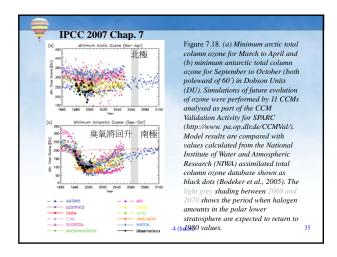


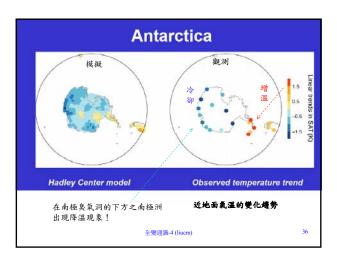


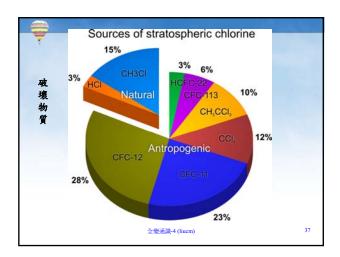


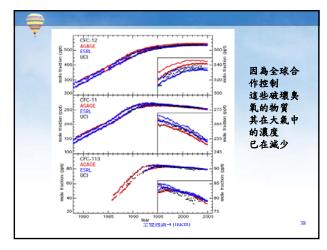


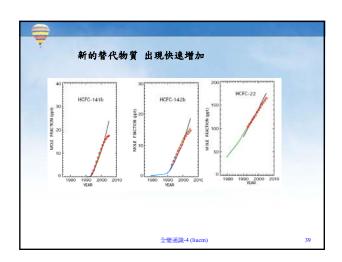






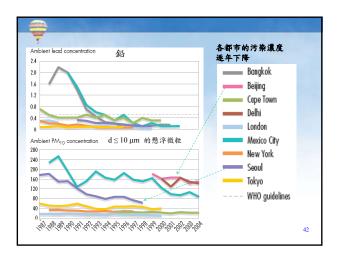


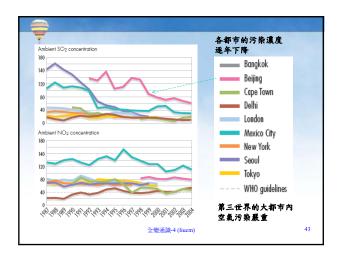


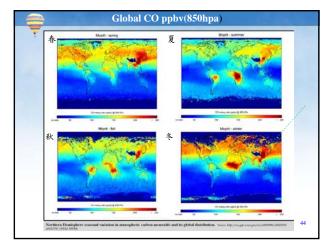


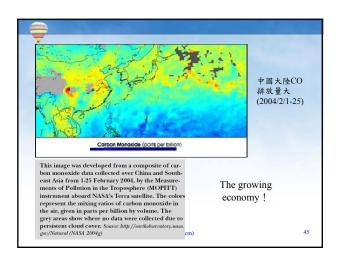


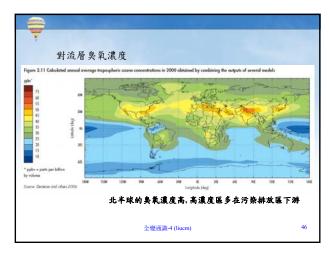


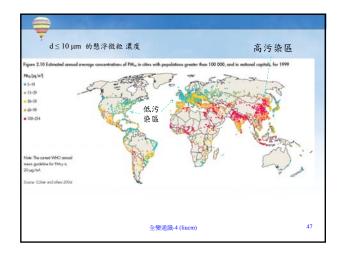


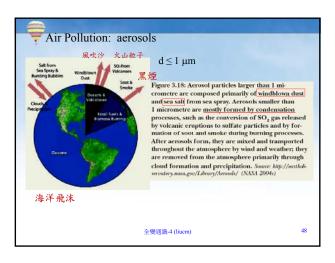


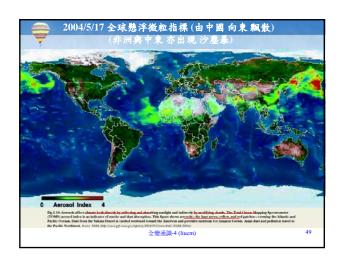




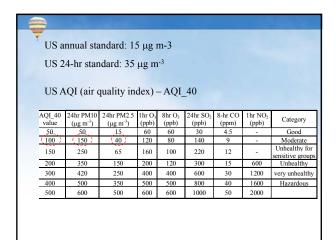


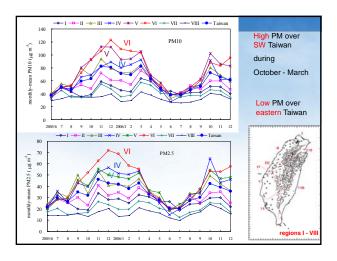


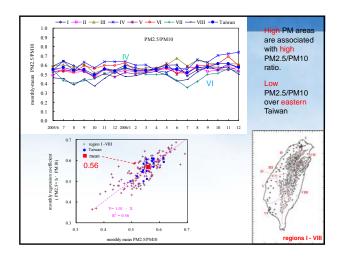












Set	t: 24-hour P	M2.5 stand	ard as	85μg m	-3 for 85/	150 = 0.5	57	
Set	t: AQI (air c	uality index	:) – AQ	I_85				
AQI_85 value	24hr PM10 (μg m ⁻³)	24hr PM2.5 (μg m ⁻³)	lhr O ₃ (ppb)	8hr O ₃ (ppb)	24hr SO ₂ (ppb)	8-hr CO (ppm)	1hr NO ₂ (ppb)	Category
50	50	25	60	60	30	4.5	-	Good
100	150	85	120	80	140	9	-	Moderate
150	250	140	160	100	220	12	-	Unhealthy fo sensitive group
200	350	175	200	120	300	15	600	Unhealthy
300	420	250	400	400	600	30	1200	very unhealth
400	500	350	500	500	800	40	1600	Hazardous
500	600	500	600	600	1000	50	2000	

