



Economic Impact of Wildland Fires

- Context Cont.
 - Area affected (million hectares)
 - Portugal (2003): 0.45
 - Russia (2003): 23.7
 - Australia (2003): 60
 - Worldwide (annually): 350!

Economic Impact of Wildland Fires

- Context Cont.
 - Expenditures (\$US)
 - · Canada: \$400 \$800 million annually
 - Mexico & Central America: Not exact figures but over \$21 million in equipment alone
 - Argentina, Bolivia & Brazil (90s): \$1.6 billion
 - Europe: \$500

Economic Impact of Wildland Fires

- Context Cont.
 - Expenditures (\$US)
 - Indonesia, Malaysia, & Singapore (1997): 4.5 billion

Economic Impact of Wildland Fires Area affected and suppression expenditures for US Federal Agencies with fire protection responsibilities: 1995-2004 Year Area Affected Suppression Exp. (Current \$ million) 2004 2.75 (Current \$ million) 2004 2.75 0.890 2003 1.99 1.326 2000 2.81 2.482 1.661 2000 3.41 1.362 1999 2.29 1998 0.94 0.329 1998 0.94 0.329 1997 1.33 1.642 0.256 1996 2.71 0.679 1995 0.94 Total 20062 8.384

Fires		t of Wildland	
Year		Suppression Expres) (Current \$ million	
2004 2003 2002 2001 2000 1999 1998 1997 1996 1995 Total	36.84 29.44 115.49 37.43	252.3 135.0 162.8 124.0 178.5 43.8 47.7 107.0 60.4 69.9 1,181.4	170.52 65.76

	onomi Idland		act of	- Control of the Cont	
	Area affected, suppression expenditures, and damage				
assess	sment for CDF 1	995-2004			
Year		Suppression			
		(Currer			
2004	68.07	252.3	126.8	379.1	
2003	163.70	135.0	974.2	1109.2	
2002	49.72	162.8	174.0	336.8	
2001	36.84	124.0	87.3	211.3	
2000	29.44	178.5	29.9	208.4	
1999	115.49	43.8	134.3	178.1	
1998	37.43	47.7	27.4	75.1	
1997	23.40	107.0	81.9	188.9	
1996	94.18	60.4	100.3	160.7	
1995	49.07	69.9	32.5	102.4	
Total	667.34	1,181.4	1,768.6	2,950.0	

Economic Impact of Wildland Fires Suppression expenditures and damage assessment for CDF 1995- 2004				
Year	Suppression Exp.		Total	
	(- Current \$ million		
2004	252.3 ๅ	126.8 ๅ	379.1	
2003	135.0	974.2	1109.2	
2002	162.8 } 17	0.52 174.0 } 2	278.4 336.8	
2001	124.0	87.3	211.3	
2000	178.5 ^J	29.9 ⁾	208.4	
1999	43.8 🥎	134.3 ๅ	178.1	
1998	47.7	27.4	75.1	
1997	107.0 \ 65	81.9 7	188.9	
1996	60.4	100.3	160.7	
1995	69.9 J	32.5 ^J	102.4	
Total	1,181.4	1,768.6	2,950.0	

Economic Impact of Wildland Fires				
	ession expenditures p			
suppre	ession expenses for F	S and BLM in CA for	1995-2004	
Year	Supp. Exp. + Damag	ge FS & BLM	Total	
	(Current \$ million)	
2004	379.1	228.5 ๅ	607.6	
2003	1109.2	174.3	1283.5	
2002	336.8 \ 449	9.0 288.7 > 2	38.6 625.5	
2001	211.3	249.7	461.0	
2000	208.4 ⁾	251.9 ^J	460.3	
1999	178.1 ๅ	166.0	344.1	
1998	75.1	6.1*	81.2	
1997	188.9 \ 141	90.7 \ 9	2.1* 279.6	
1996	160.7	142.9	303.6	
1995	102.4 ^J	54.7 ^J	157.1	
Total	2,950.0	1,653.5	4603.5	
* DI M cabu	there were problems with ES information	n for this year, therefore Experience	ago io undervolued	
* BLM only; t	here were problems with FS information	in for this year, therefore, 5-year avera	ige is undervalued.	

Economic Impact of Wildland Fires

Closing Remarks

- · Wildland fires will not go away
- Wildland-Urban Interface is a major contributor to the problem
- Need a better accounting system to include all costs
- Need to make households aware of their responsibilities

Economic Impact of Wildland Fires

Closing Remarks Cont.

- Fire exclusion is not the solution
- Reintroduction of fire in ecosystem
- Keep urban development away from forest lands

