

Submission of Russian Federation LULUCF

Barcelona, 2-6 November 2009

National conditions

- ❑ major part of Eastern Europe and Northern Asia
 - ❑ total area 17,098.2 th. km²
 - ❑ arctic, subarctic and moderate climatic zone
 - ❑ average annual temperature: from +12÷14 °C in the Northern Caucasus to -16÷ -14 °C in the Republic of Sakha (Yakutia)
 - ❑ 67% of the territory is permafrost
 - ❑ forest – 46.6% (797.0 mln. ha)
 - ❑ agricultural lands – 13%
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Land use in RF



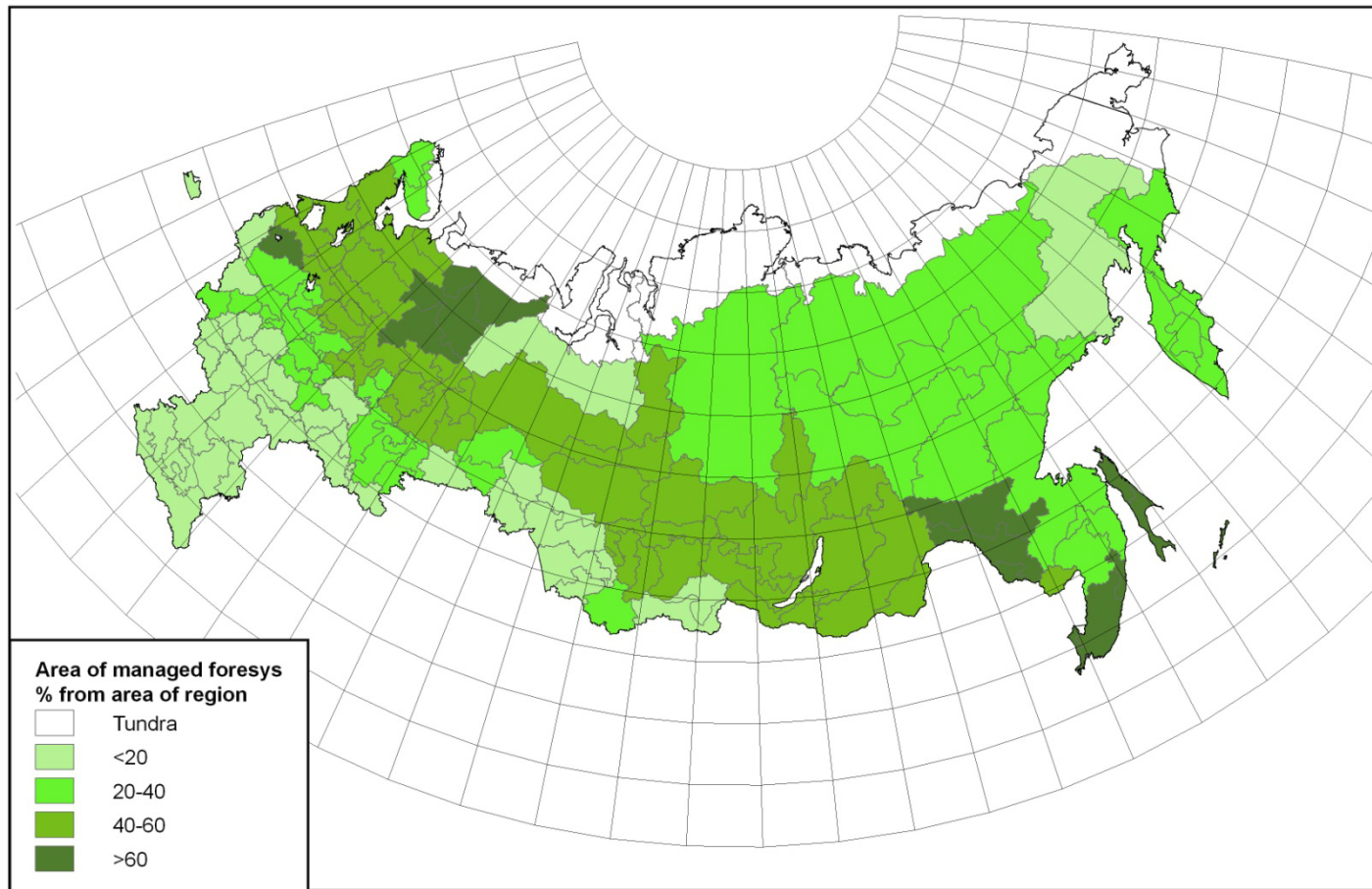
<http://terrante.iki.rssi.ru>

Forest management

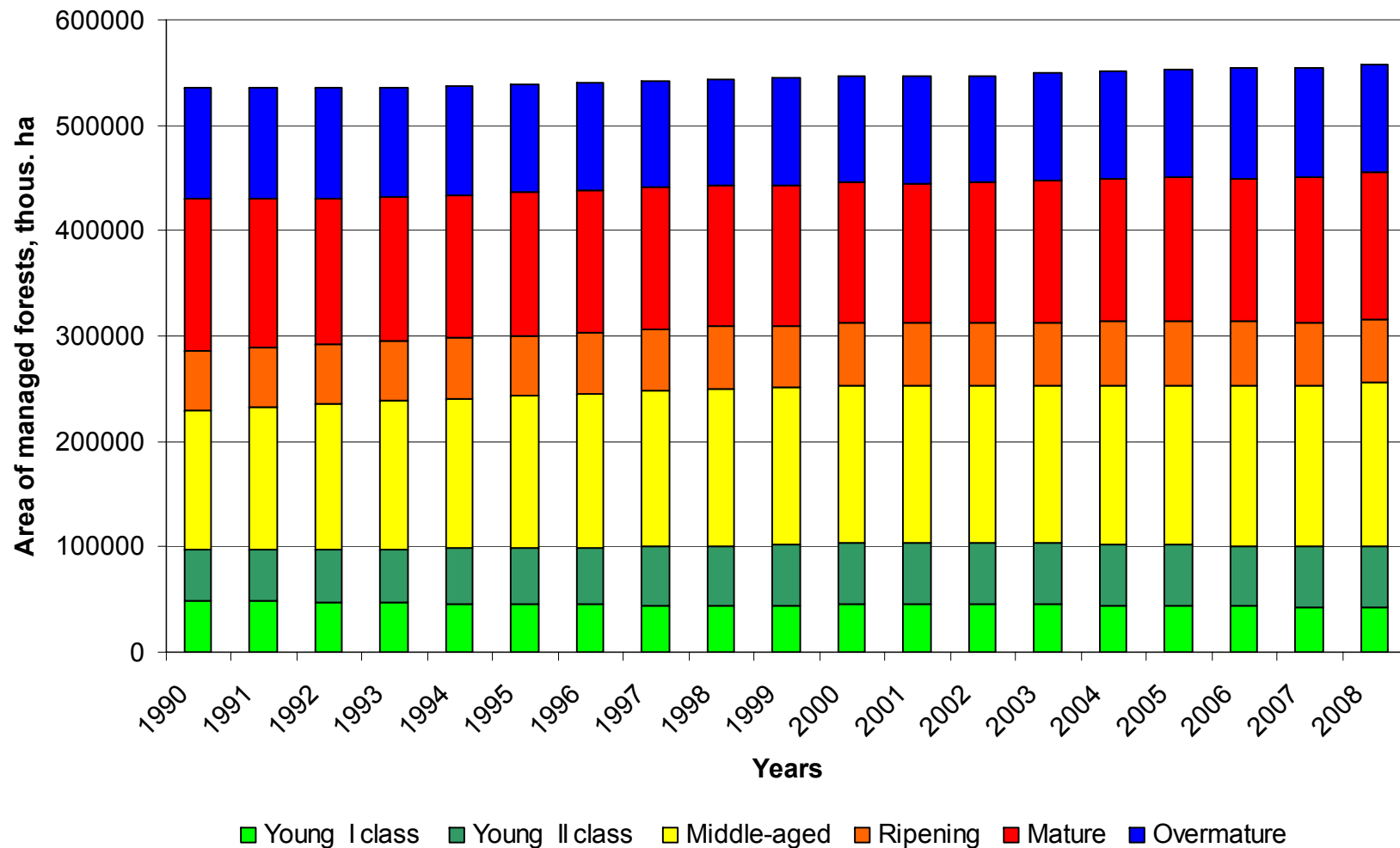
- Forest management activities:
 - regular accounting;
 - forest-restoration;
 - protection from fires and other disturbances;
 - determination of optimal harvesting rate;
 - final felling and thinning activities, salvaging etc.
 - Area of managed forests – 619.5 mln. ha, (69.5% of the land under forest vegetation)
 - Growing stock of managed forest – 63.1 billion m³, or 75.7% of growing stock of Russian forests
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Area of managed forest in Russia

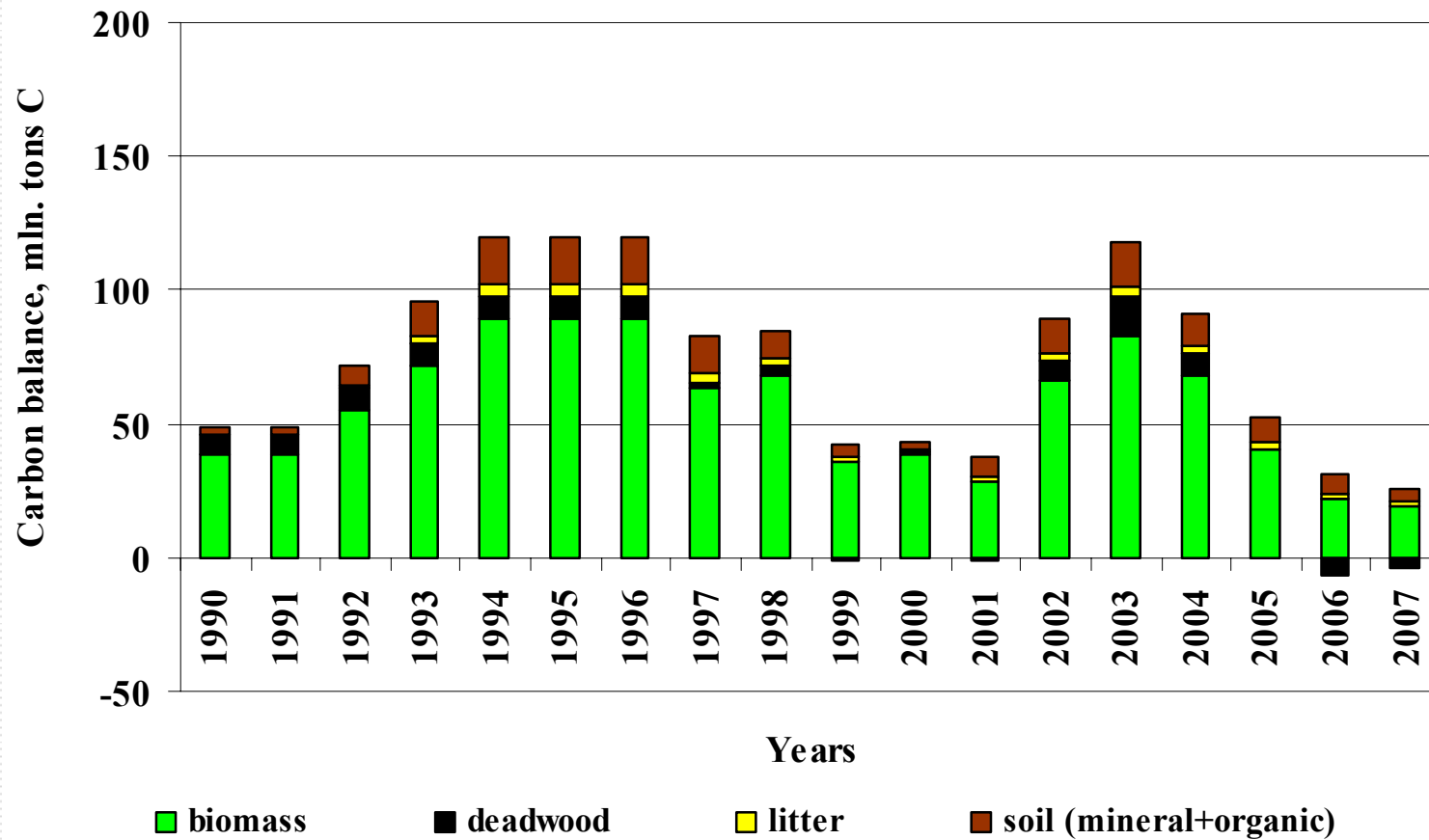
% of total area in regions



Age structure of managed forest



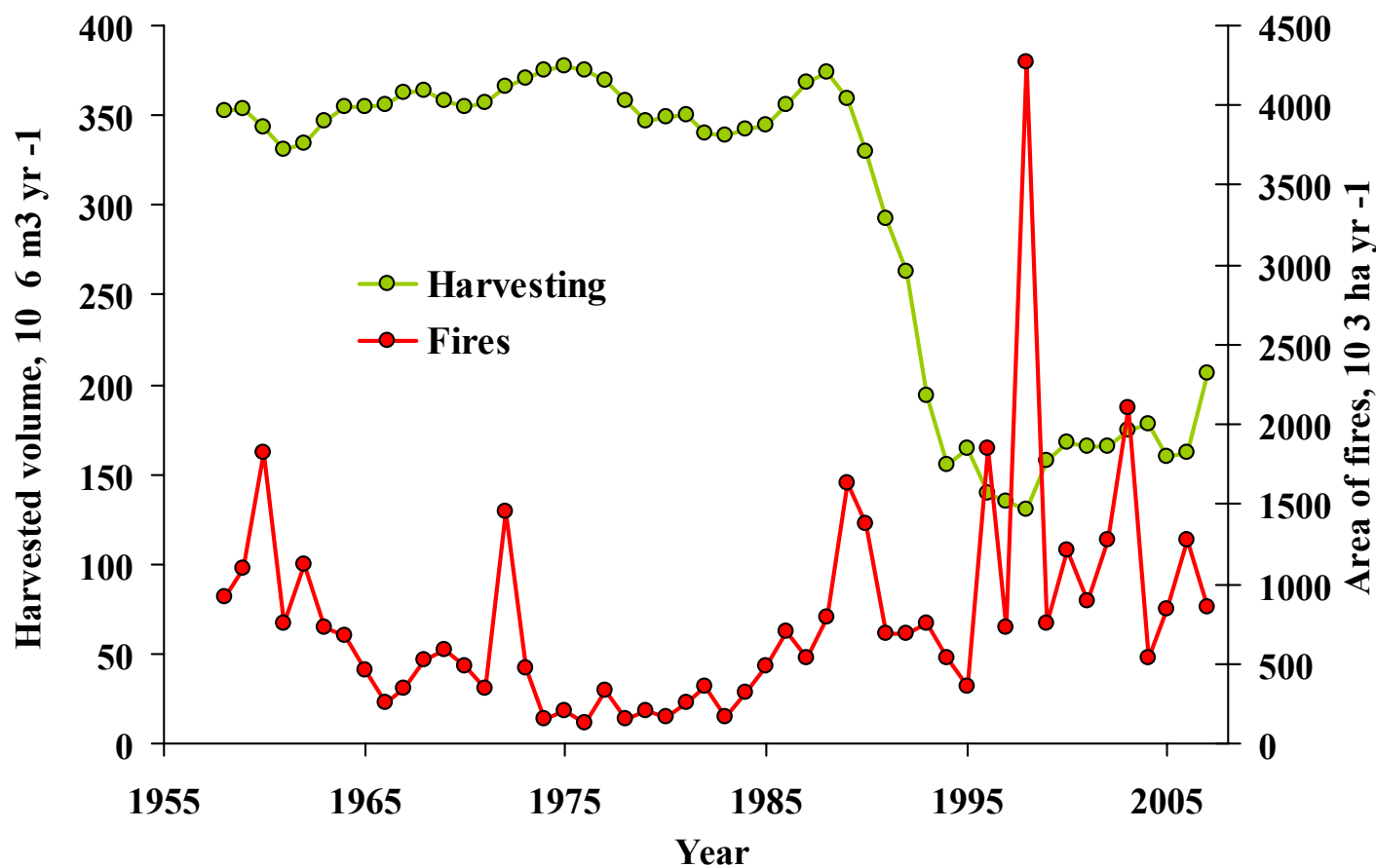
Current inventory data *forest management*



Contribution of LULUCF to total national GHG emissions in 2007 was -8.6%

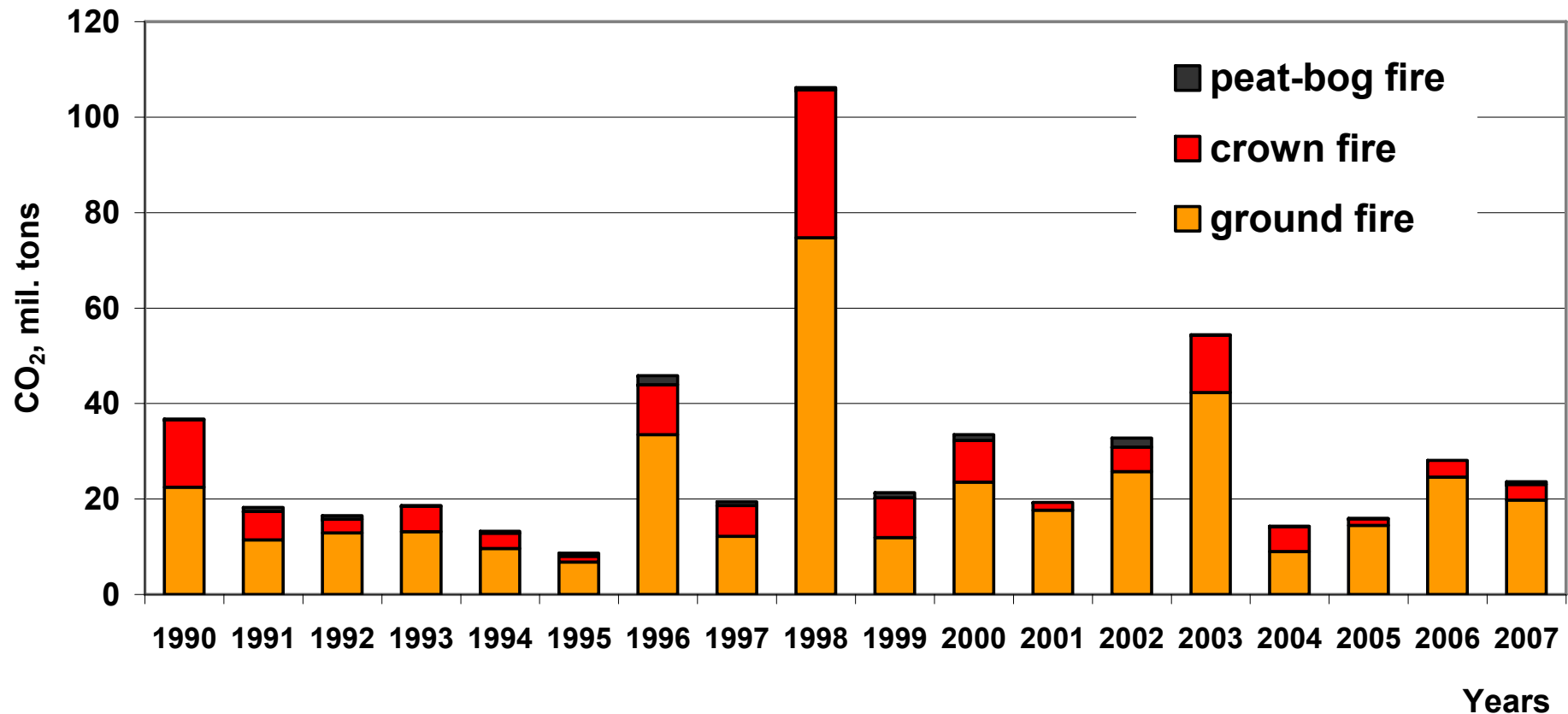
Current inventory data

Harvesting and fires in managed forests



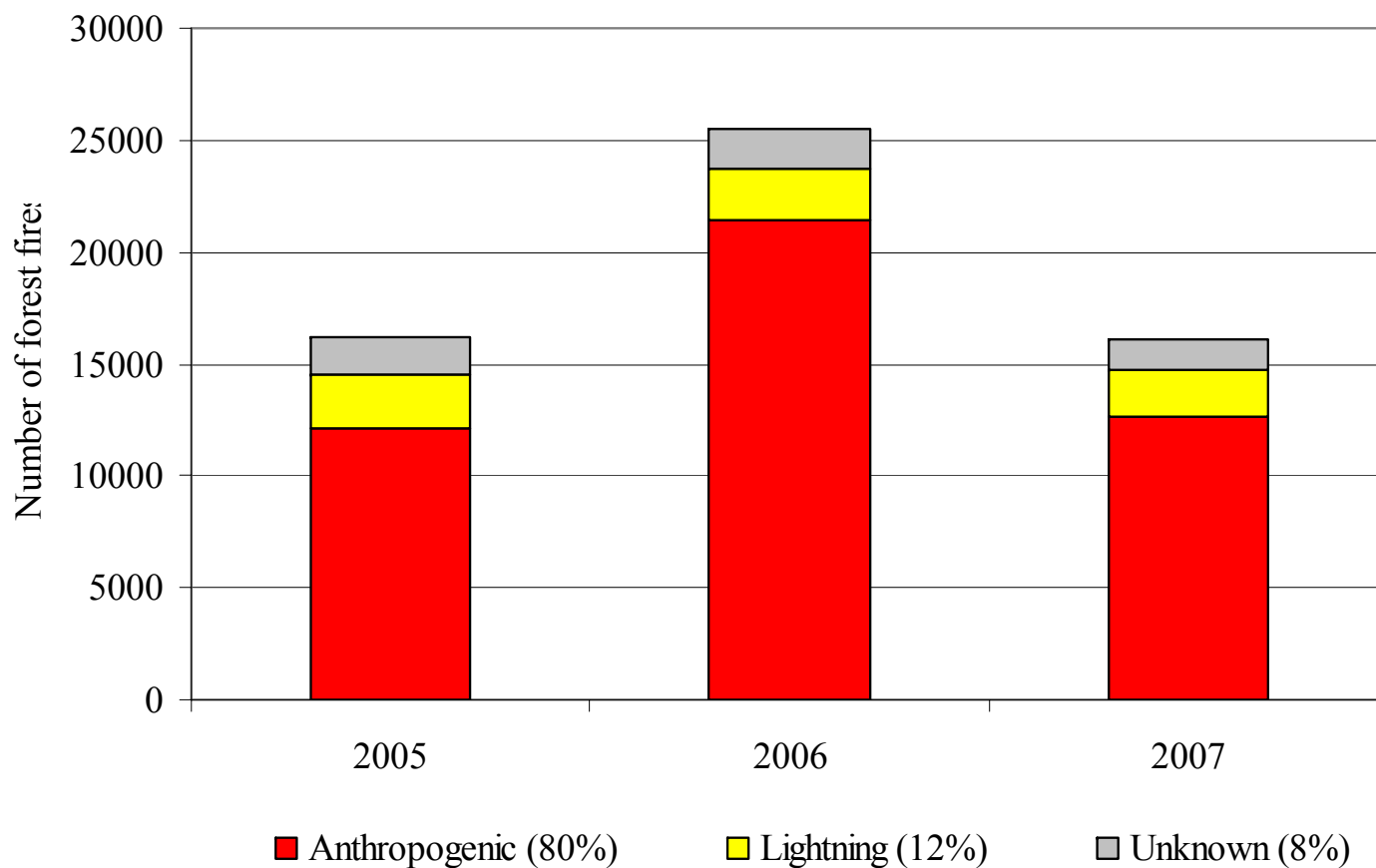
Current inventory data

CO₂ emissions from fires in managed forests



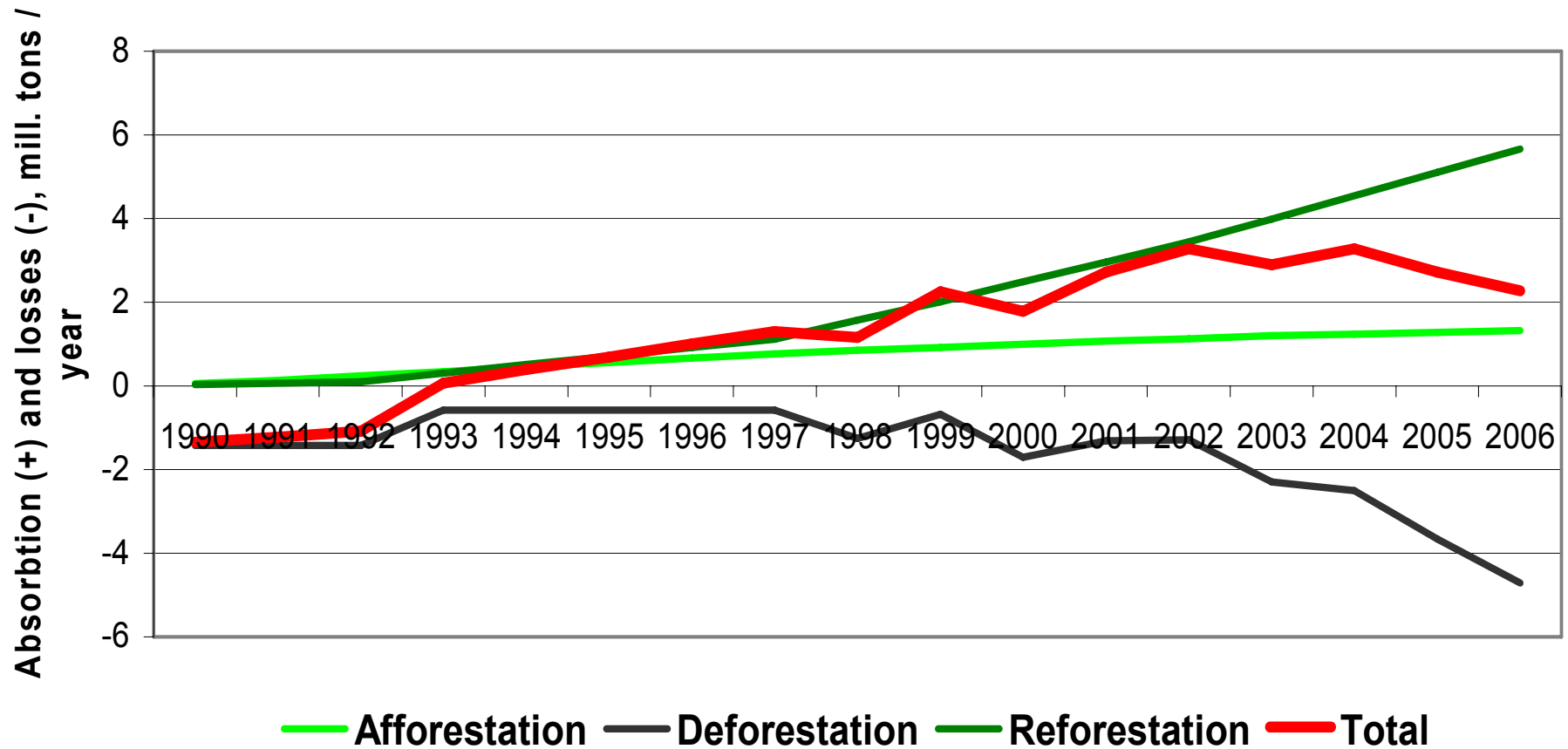
Current inventory data

Natural disturbances

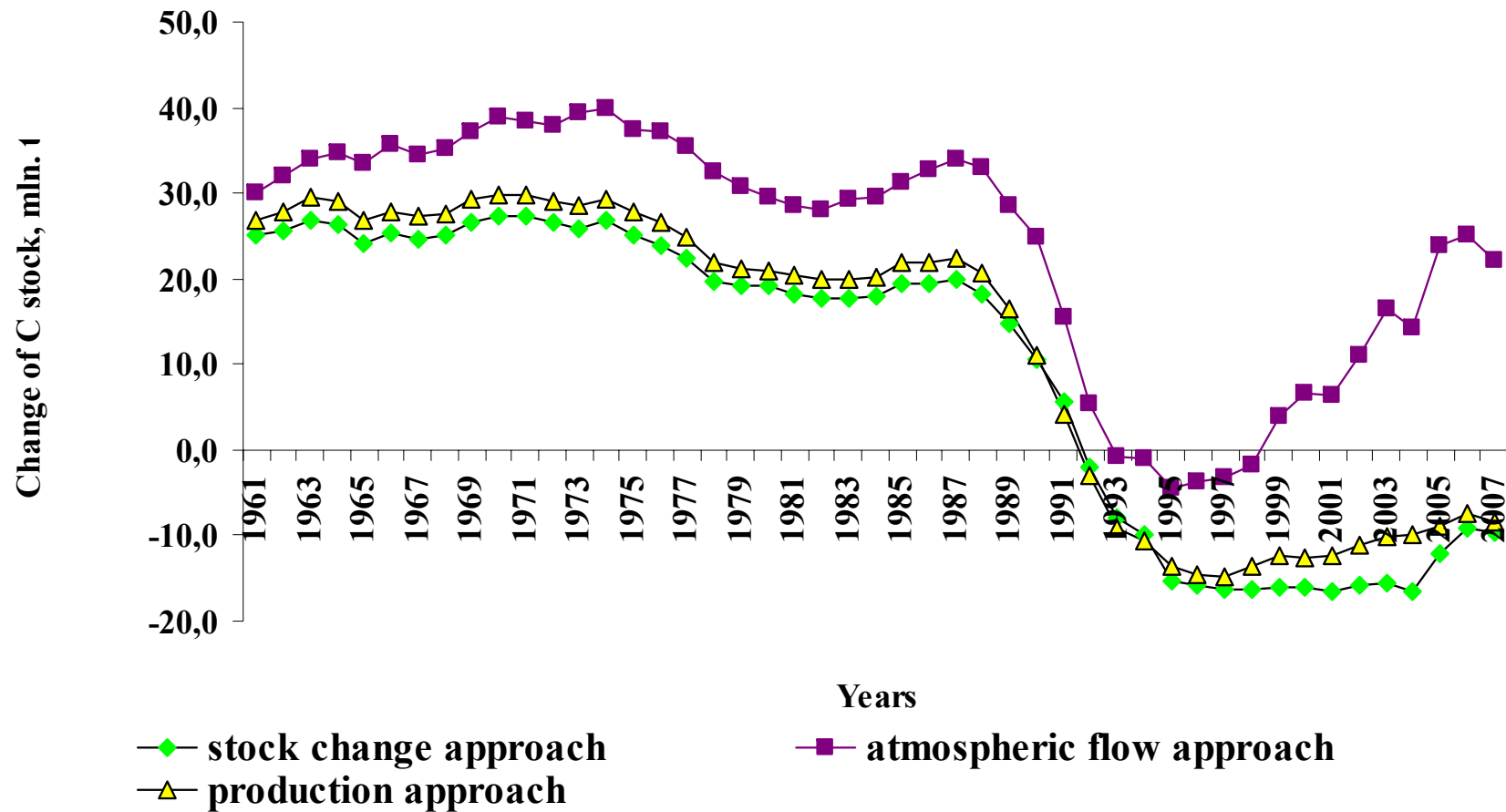


Current inventory data

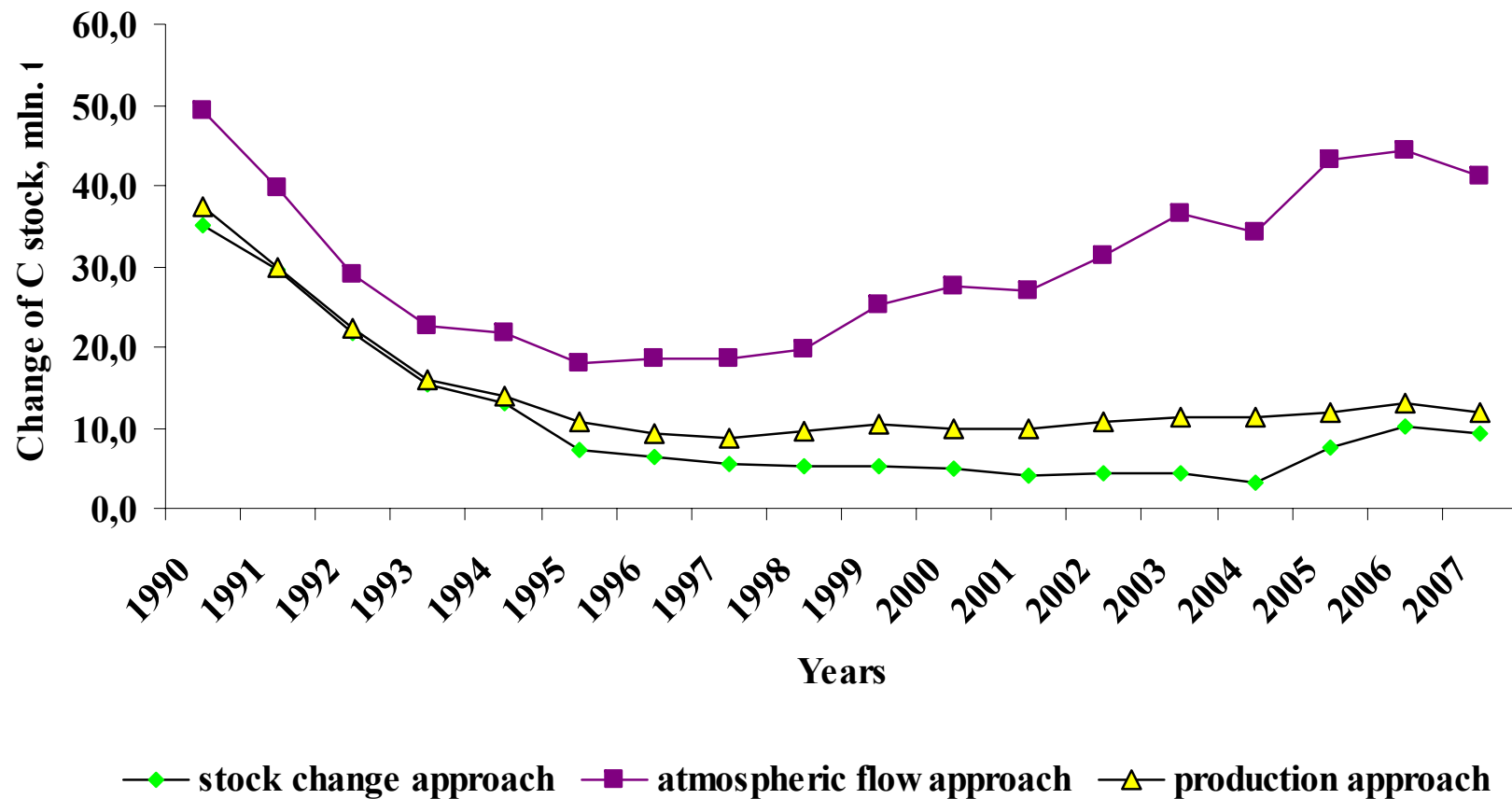
A,R,D



Current inventory data *HWPs (including existing pool)*

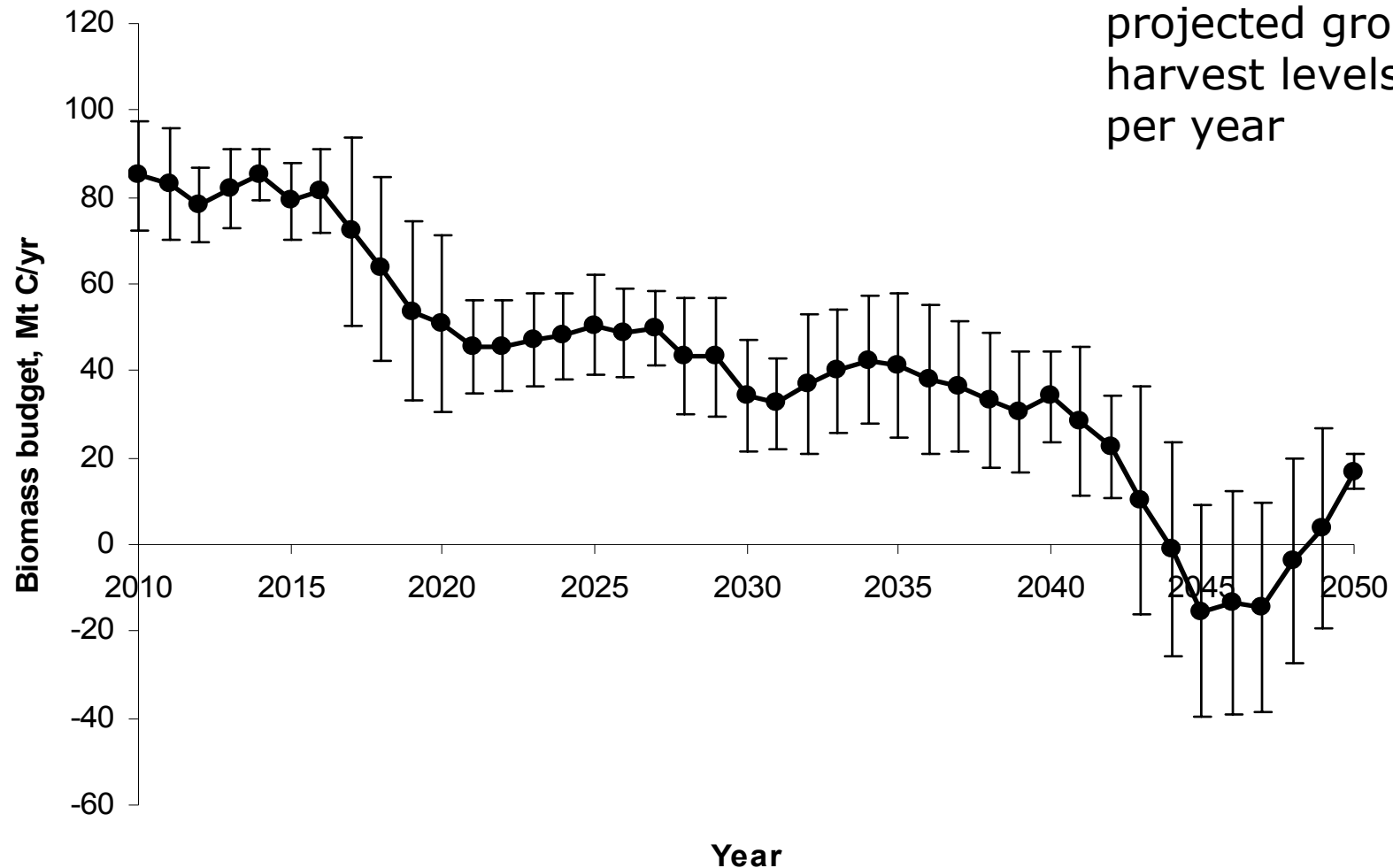


Current inventory data *HWPs (excluding existing pool)*



Projections *forest management, biomass*

The baseline reflects projected growth of harvest levels by 2% per year

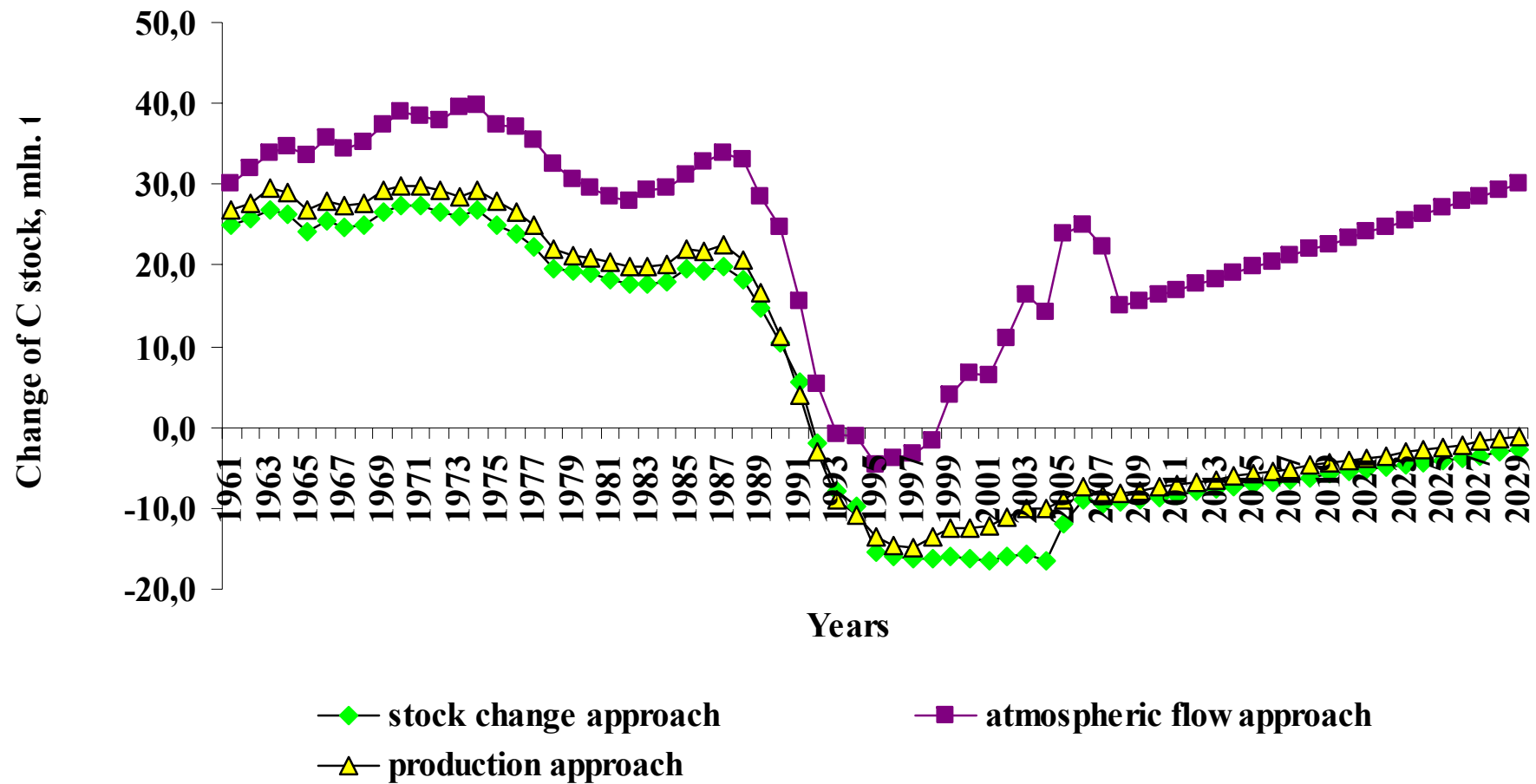


Projections

forest management, total

Year	Biomass, Mt C/yr		Total, Mt C/yr	
	mean	uncertainty	mean	uncertainty
2010	84.9	12.7	104.7	19.6
2011	82.9	12.7	103.0	19.1
2012	78.2	8.7	97.2	18.1
2013	81.9	9.1	101.8	18.9
2014	85.2	6.1	105.9	19.7
2015	79.1	8.8	98.3	18.3
2016	81.3	9.8	101.1	18.8
2017	72.2	21.6	89.7	16.7
2018	63.6	21.2	79.0	14.7
2019	53.6	20.7	66.7	12.4
2020	50.9	20.2	63.3	11.8

Projections *HWP*s



Effect of different accounting rules *FM (% of 1990 AAs)*

Accounting rule	Ref. level Mt C	Gross-net	Bar	Bar with band +/- 5%	Bar, with band 0-bar
Gross-net with CAP (current rules)	NA	3.6	NA	NA	NA
Gross-net with discount factor (85%)	NA	1.6	NA	NA	NA
Gross-net	NA	11.0	NA	NA	NA
Net-net 1990	48.5	NA	5.6	5.3	5.6
2001-2005	77.6	NA	2.4	2.8	2.4
2013-2017	99.4	NA	0	-0.1	0.2

Effect of different accounting rules *HWPs (% of 1990 AAs)*

Accounting rule	Ref. level Mt C		Gross-net		Bar		Bar with band +/- 5%		Bar, with band 0-bar	
	PA	AFA	PA	AFA	PA	AFA	PA	AFA	PA	AFA
Gross-net	NA	NA	-0.6	2.2	NA	NA	NA	NA	NA	NA
Gross-net with discount factor (85%)	NA	NA	-0.1	0.3	NA	NA	NA	NA	NA	NA
Net-net 1990	11.1	24.8	NA	NA	-1.9	-0.6	-1.8	-0.4	-0.6	0
2001-2005	-10.5	14.4	NA	NA	0.5	0.6	0.5	0.5	0	0.6
2013-2017	-5.8	19.8	NA	NA	0	0	0	0	0	0

PA – production approach; AFA – atmospheric approach



Thank you!

