

Estimating Phosphorus Ultimately Recoverable Resources and Future Production

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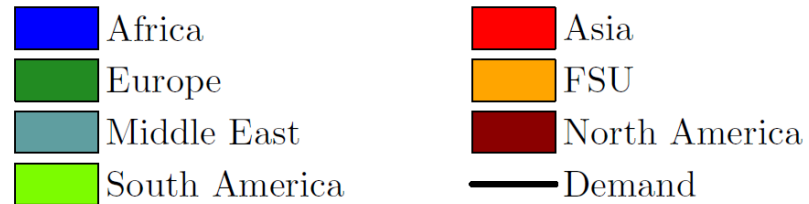
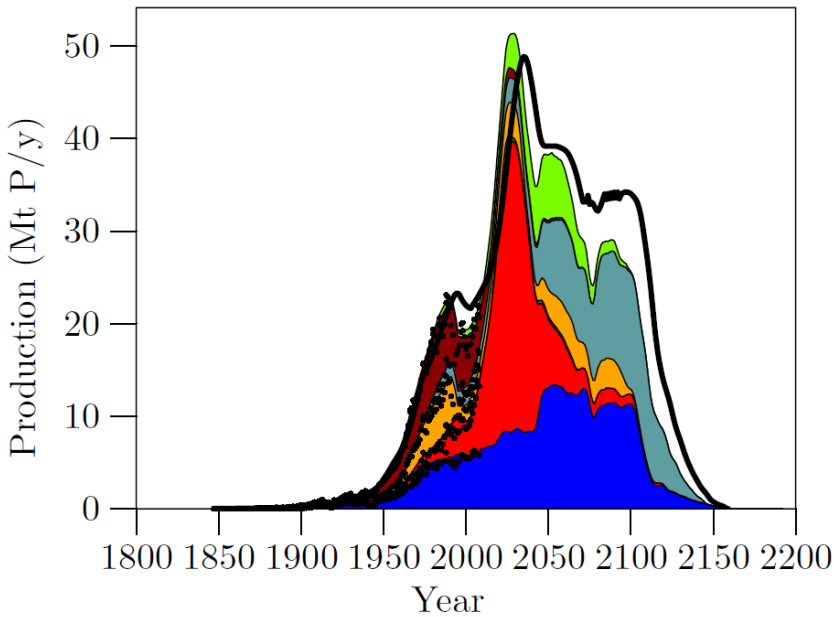
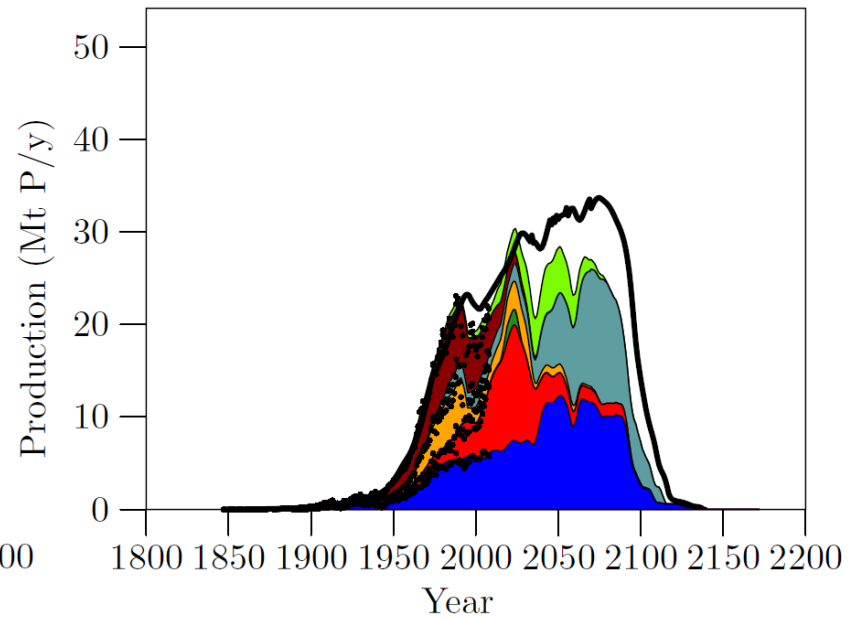
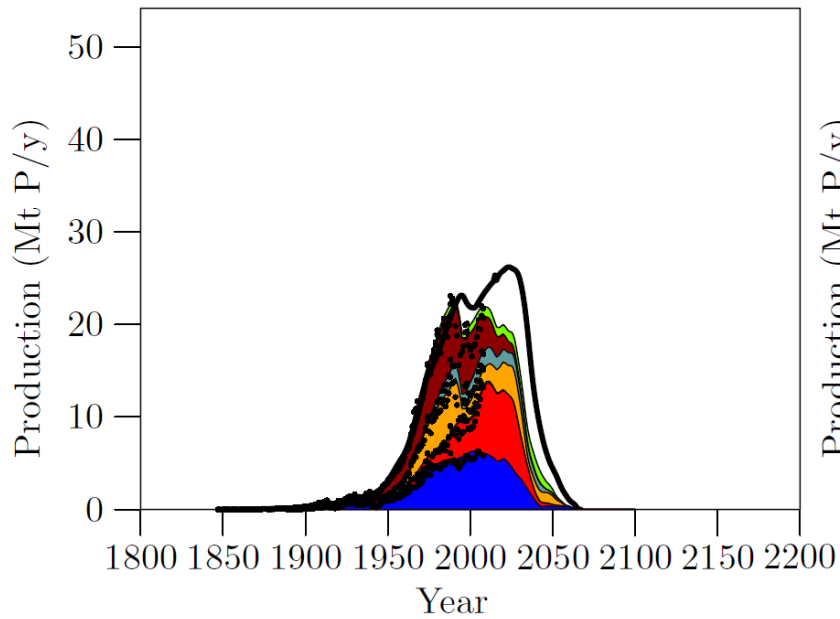
Global P rock production & global reserves / P pollution & waste



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Steve Mohr, Geoff Evans

Country	URR (Mt P)			Country	URR (Mt P)		
	<i>Low</i>	<i>High</i>	<i>Best-guess</i>		<i>Low</i>	<i>High</i>	<i>Best-guess</i>
Algeria	27	38	73	FSU	243	400	243
Egypt	16	177	18	Iran	0	11	1
Morocco	216	836	804	Iraq	2	243	243
Senegal	13	17	23	Israel	20	74	73
South Africa	23	70	82	Jordan	47	127	210
Togo	16	19	24	Saudi Arabia	0	412	157
Tunisia	84	152	80	Syria	39	49	20
Australia	5	161	62	Canada	3	17	3
China	250	774	327	USA	364	364	364
Christmas Is.	10	10	10	Brazil	70	69	70
India	9	12	14	Colombia	0	41	0
Mongolia	0	24	0	Mexico	2	52	6
Nauru	14	14	14	Peru	1	157	157
Vietnam	26	88	88	Venezuela	1	14	1
Finland	5	21	21	Other	25	94	28
Turkey	0	11	0	World	1523	4537	3204



	Peak Year			Peak Rate		
	Low	BG	High	Low	BG	High
Africa	2001	2051	2054	6.3	12	13
Asia	2012	2023	2028	7.8	13	31
Europe	2006	2021	2024	0.2	1.7	1.8
FSU	1989	1989	1989	5.1	5.1	5.1
Middle East	2003	2077	2098	2.1	14	13
North America	1986	1986	1986	6.7	6.7	6.7
South America	2038	2044	2051	1.5	5.2	7.1
World	1991	2024	2029	23	30	51