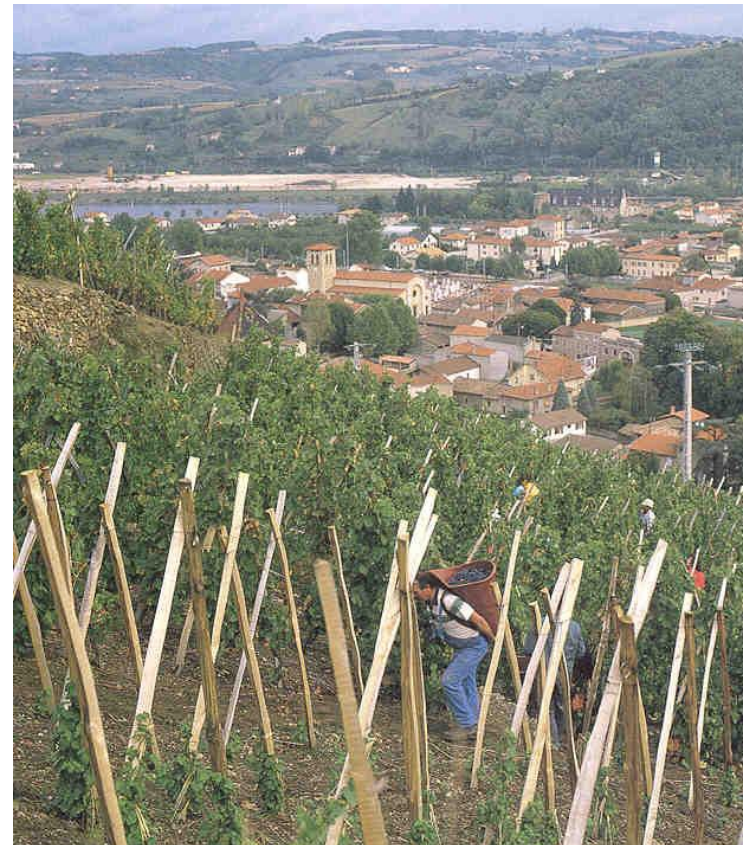




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INTERNATIONAL SHIRAZ PRODUCTION AND PERFORMANCE

Peter Dry AWRI (peter.dry@awri.com.au)
and **Kym Anderson** Univ Adelaide
(kym.anderson@adelaide.edu.au)





International Shiraz production and performance



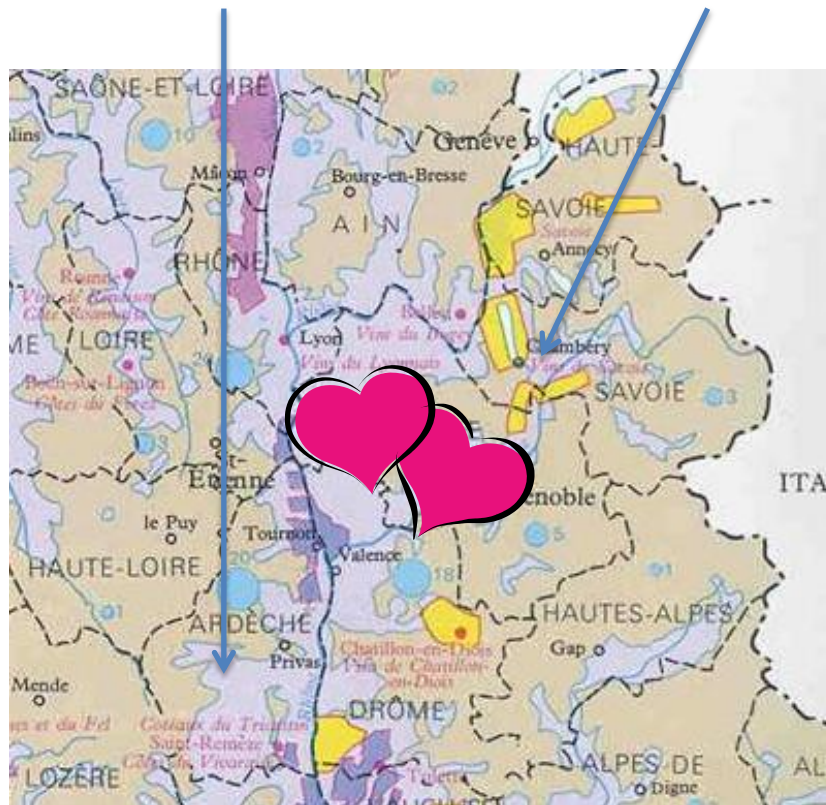
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- ❖ Origin
- ❖ International plantings
- ❖ Recent history and development in other countries
- ❖ Importance in Australia
- ❖ Reasons for success in Australia
- ❖ Idiosyncrasies
- ❖ Climatic comparison



Where does Shiraz come from?

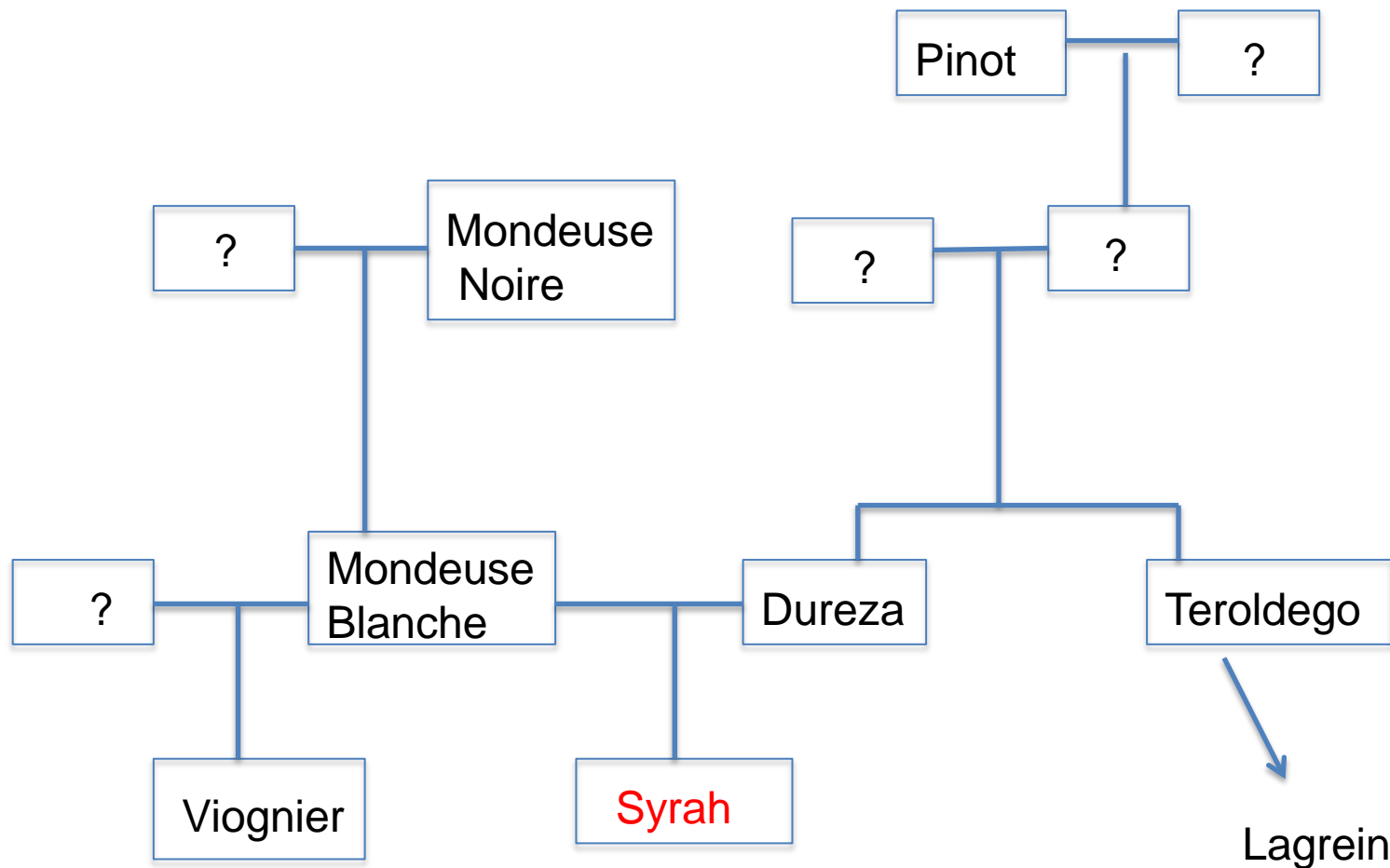
- ❖ First documented in 1781 in northern Rhone
 - Small amounts of white grapes incl. Viognier used for blending
- ❖ Natural cross of Dureza ♂ x Mondeuse Blanche ♀





Possible family tree

Source: Robinson et al. (2012) Winegrapes



Hermitage



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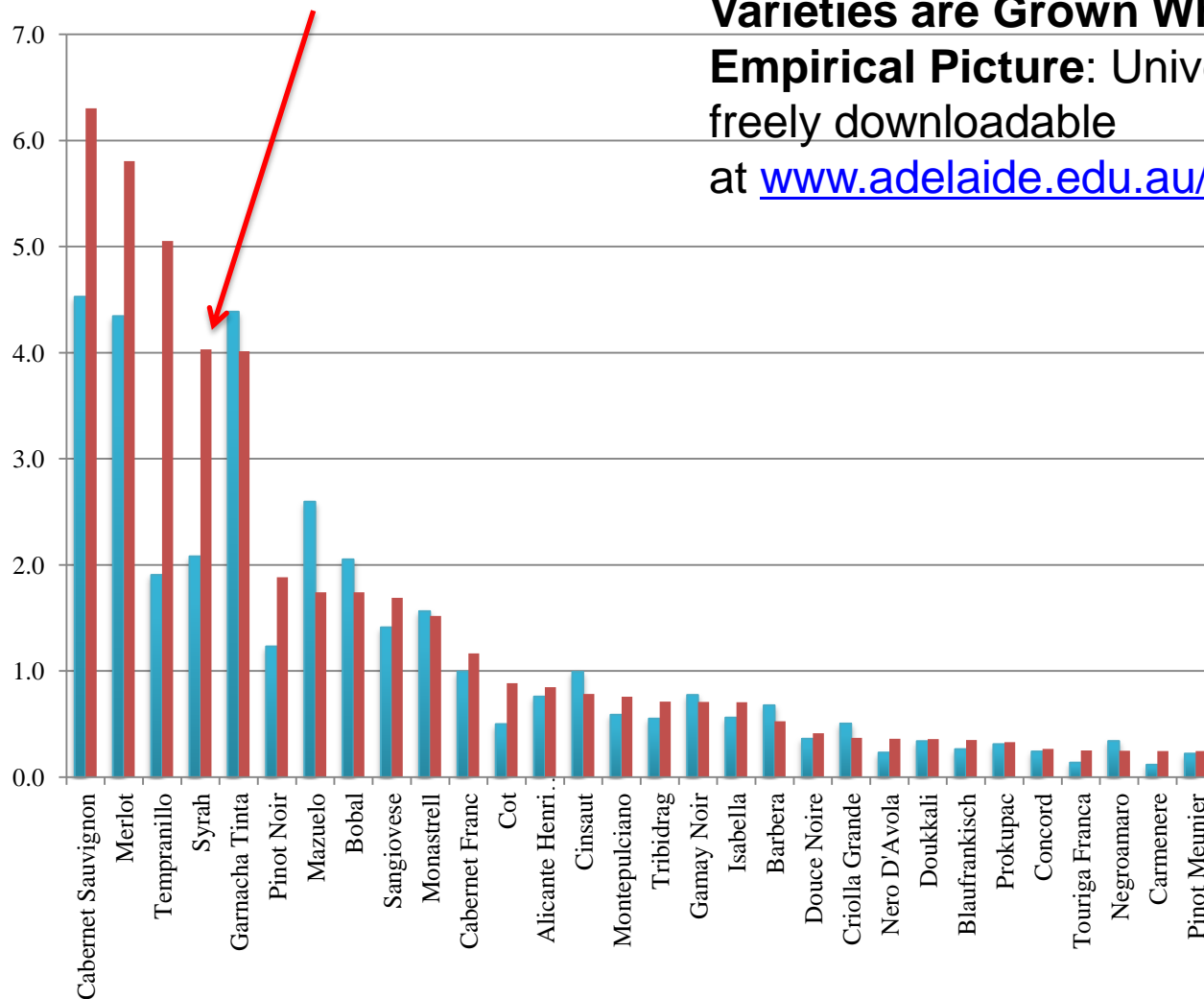


Top 30 red varieties: shares (%) of global wine area, 2000 and 2010



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Source: Anderson, K. (2013) **Which Winegrape Varieties are Grown Where? A Global Empirical Picture**: University of Adelaide Press.
freely downloadable
at www.adelaide.edu.au/press/titles/winegrapes

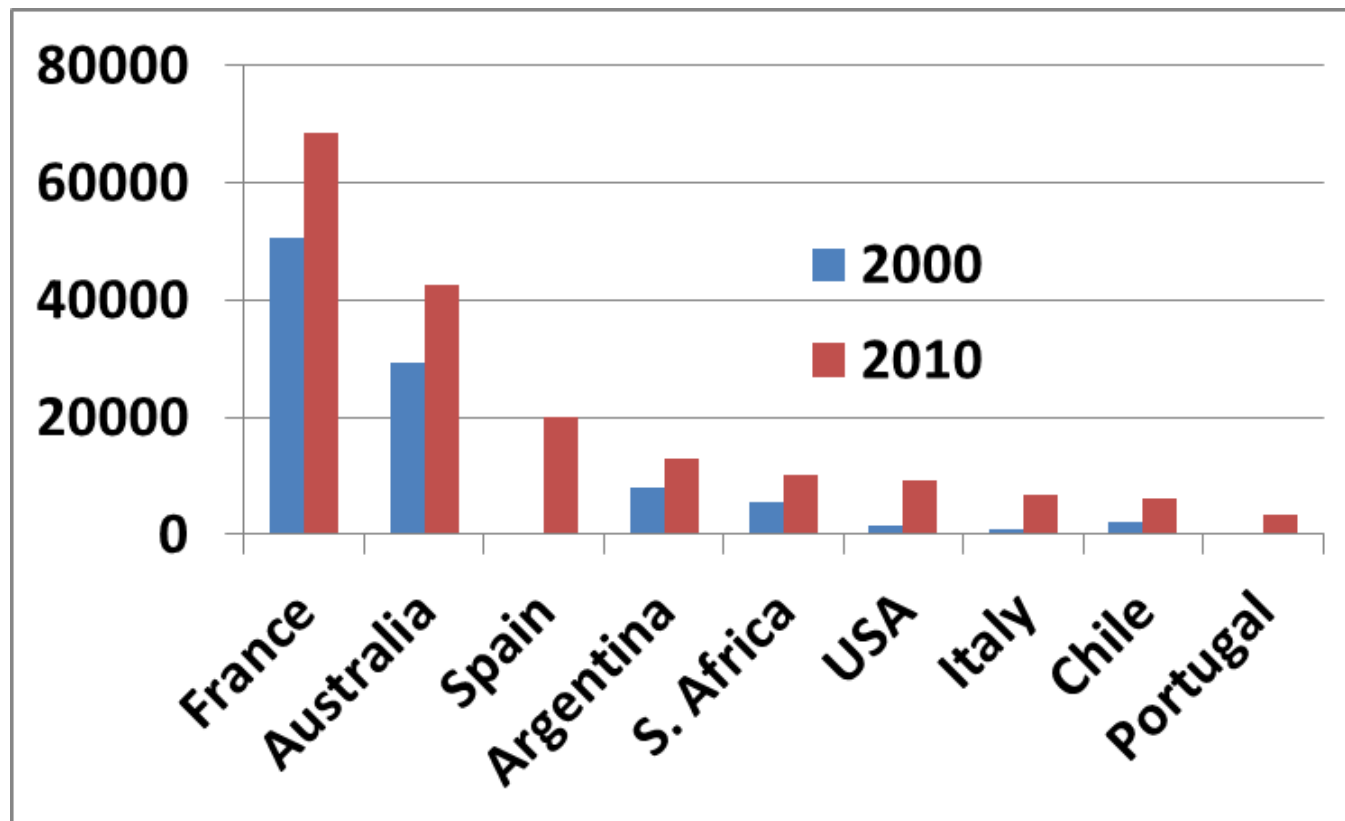


Bearing areas (ha) in major countries: 2000 and 2010



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Source: Anderson 2014

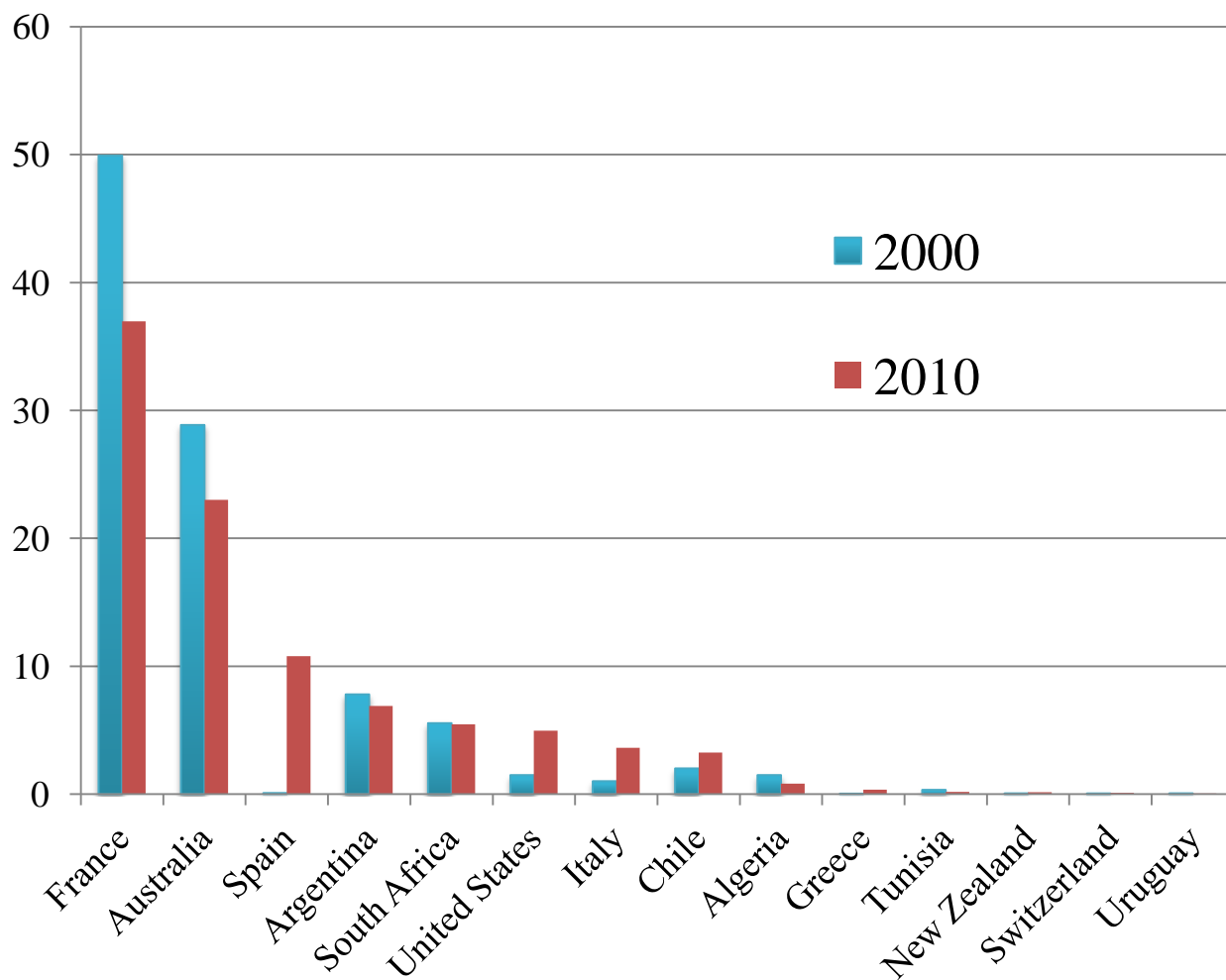


National shares (%) of global winegrape area of Shiraz, 2000 and 2010



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Source: Anderson 2014



Recent history and distribution



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❖ France

- 1600 ha in 1958 → > 10 fold increase since
- new plantings mainly in south, partic. Languedoc-Roussillon
- usually blended

St Chinian



Recent history and distribution



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❖ Spain

- 20,000 ha (2010)
- Castilla La Mancha

❖ Italy

- 6,700 ha (2010)
- Tuscany, Sicily

Isole e Olena





Recent history and distribution

- ❖ USA: 9,200 ha (2010)
- ❖ California
 - 8,000 ha
 - Dwarfed by Cab S, Merlot and Zinfandel despite success of some wines
 - Mainly Central Coast



Recent history and distribution



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❖ Washington

- More enthusiastic
- 1380 ha
- no 3 red variety
after Cab Sauv and Merlot

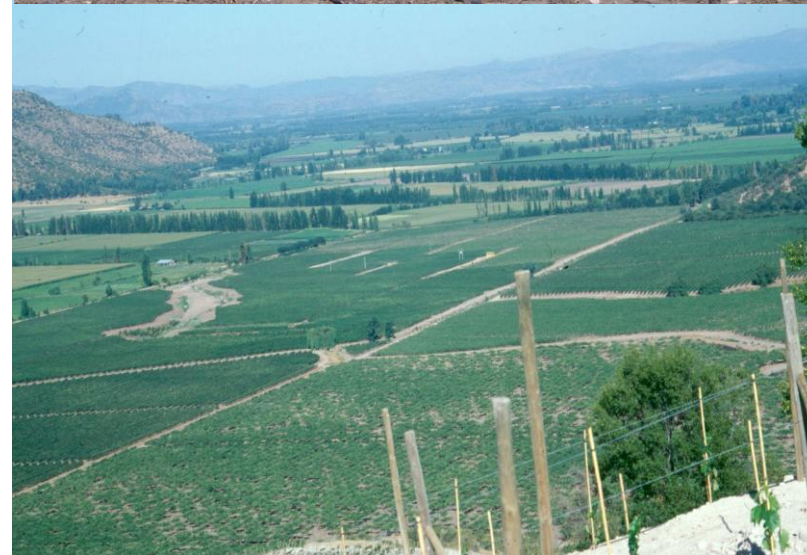
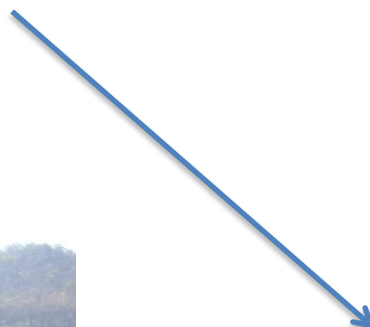


Recent history



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- ❖ South Africa
- ❖ Argentina
 - Mendoza
- ❖ Chile
 - Colchagua
- ❖ Thailand



New Zealand



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- ❖ 420 ha (2013)
- ❖ 3rd red after
Pinot N (2500 ha)
and Merlot

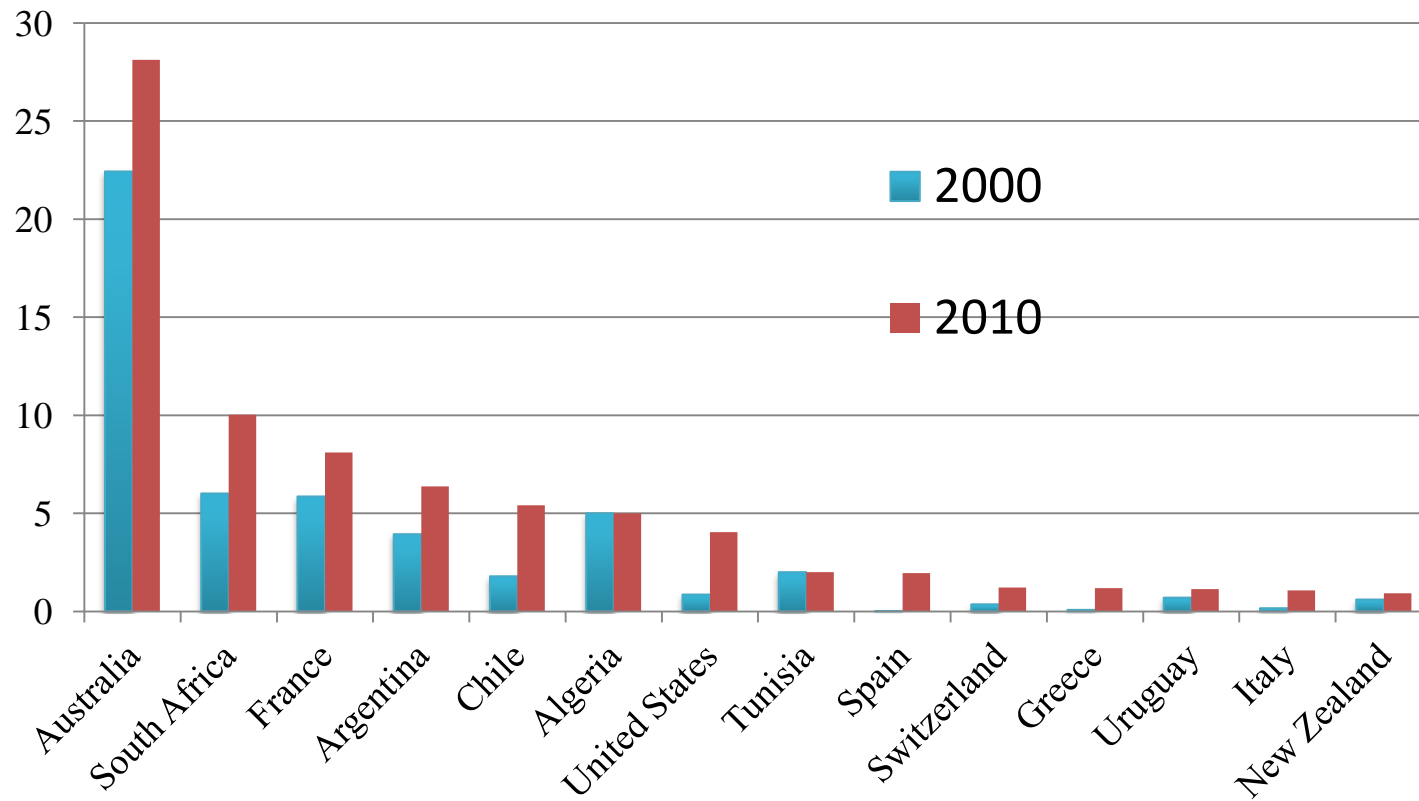


Shares of Shiraz in national winegrape area, 2000 and 2010



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Source: Anderson 2014

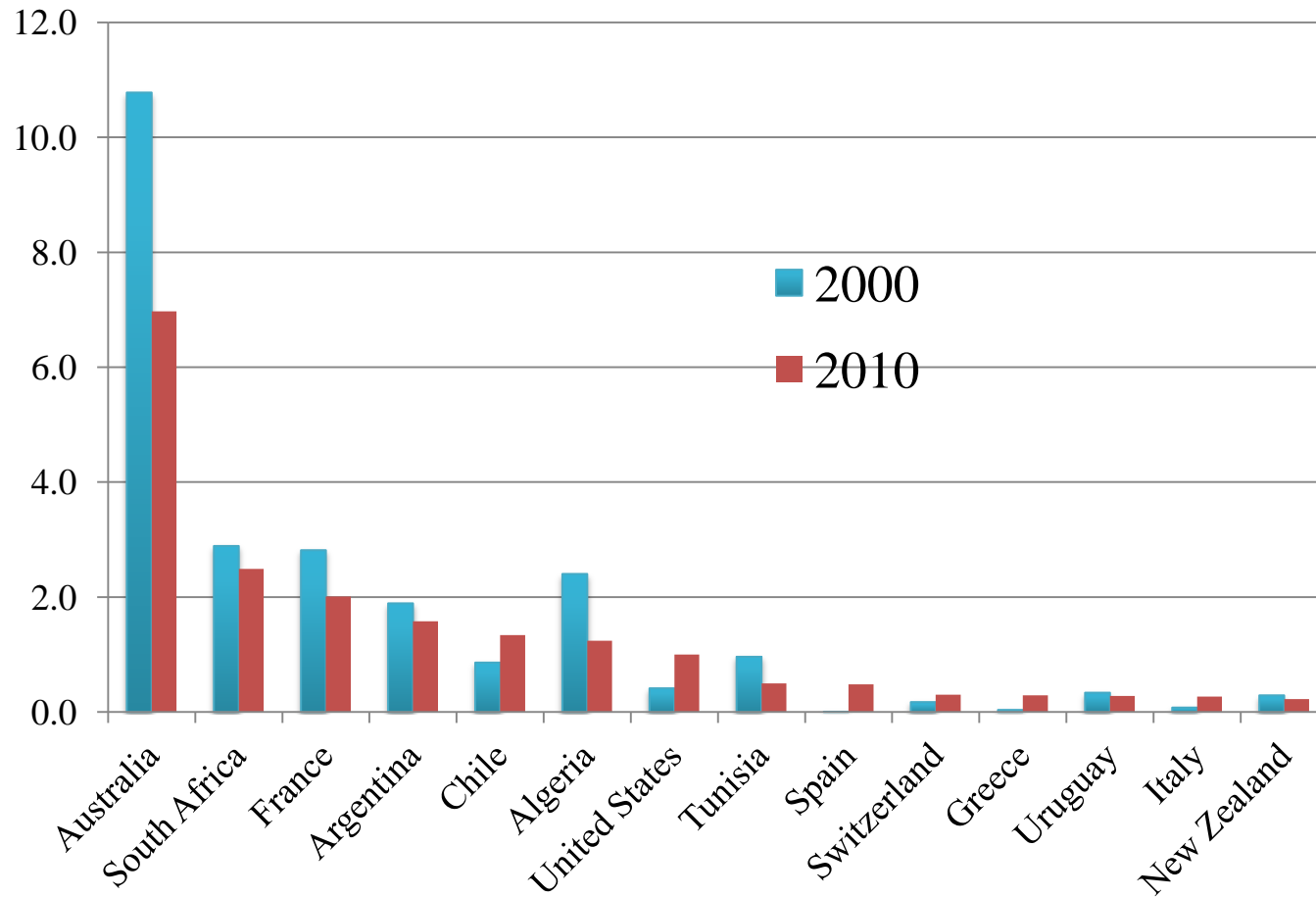


Varietal Intensity Index for Shiraz, 2000 and 2010



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Source: Anderson 2014

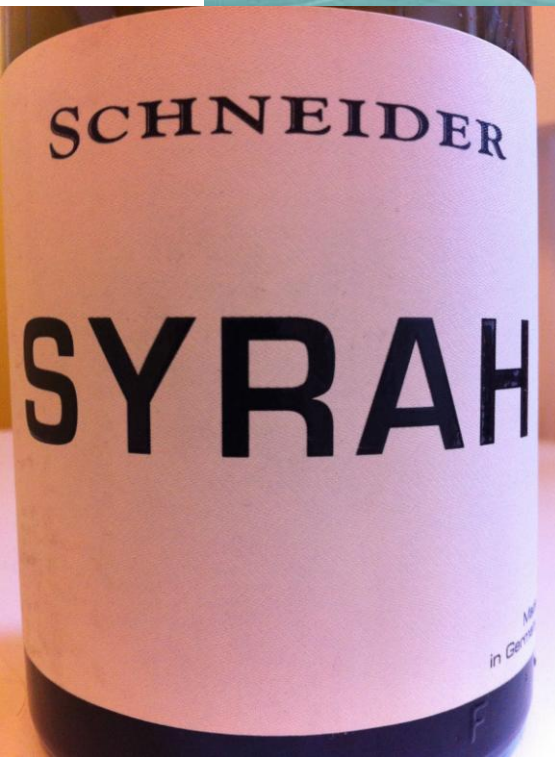


Distribution aided by global warming



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Rheinpfalz

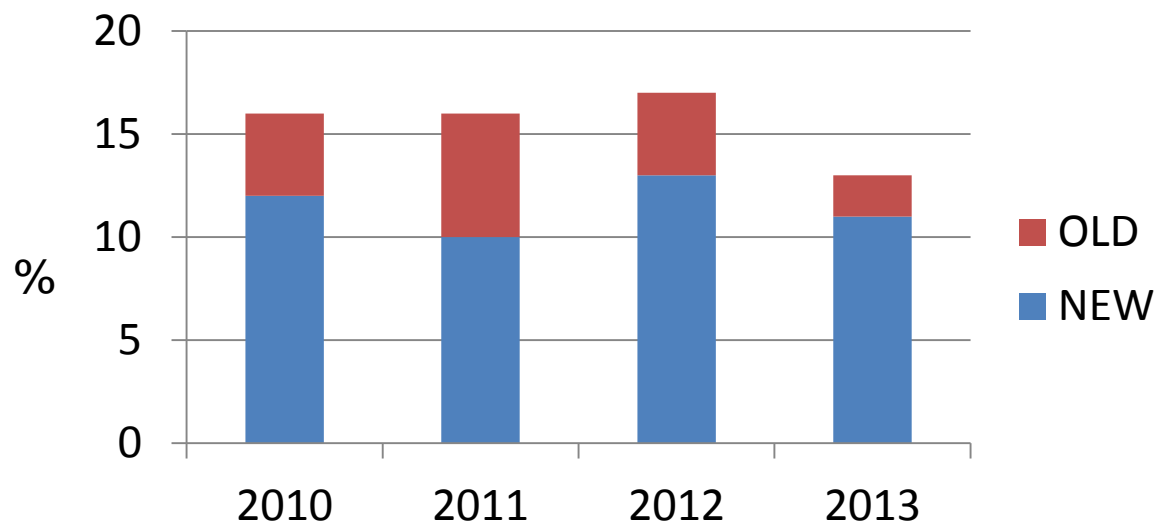


Most exciting variety internationally



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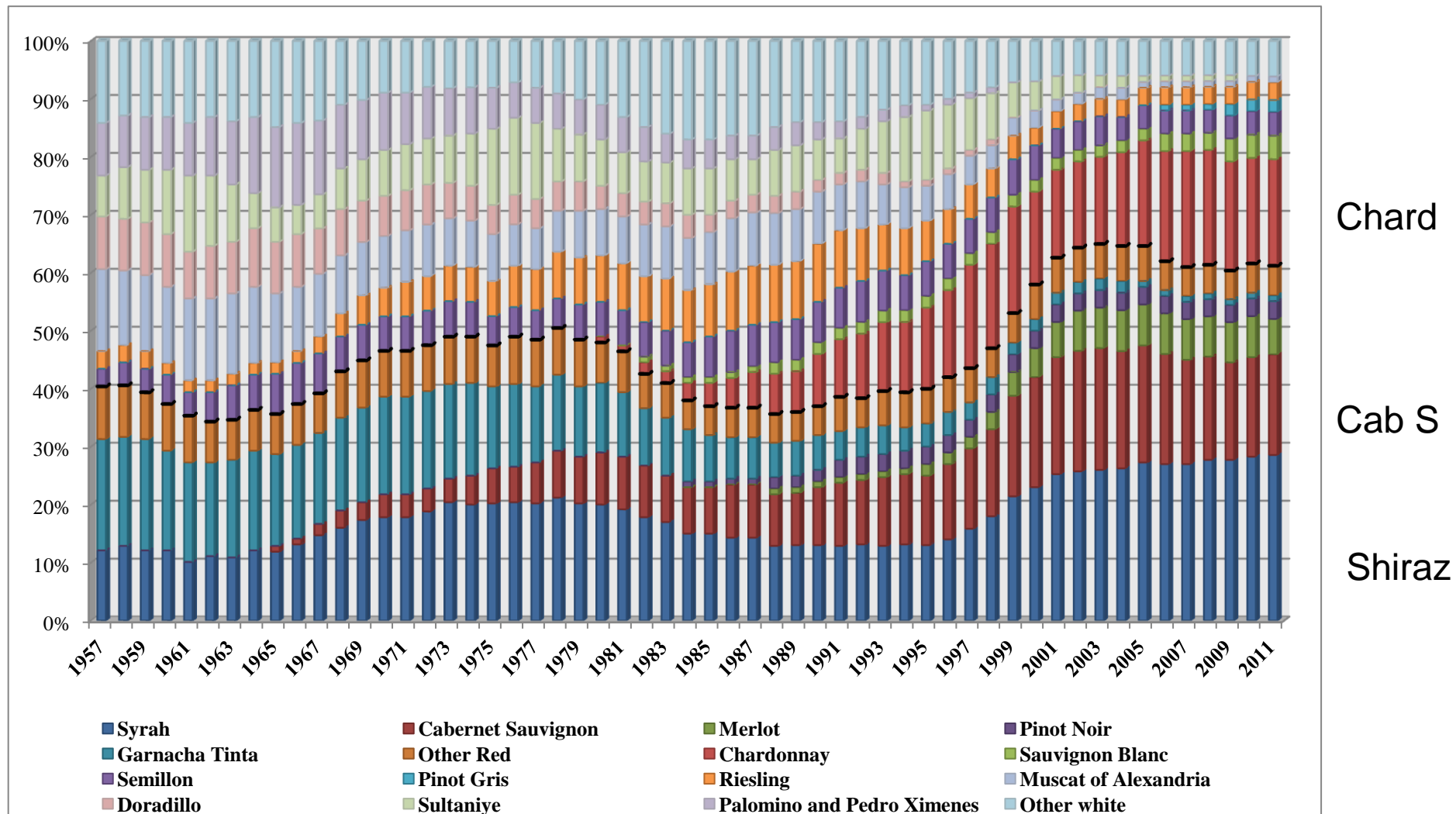
- ❖ Wine Spectator '100 most exciting wines of the year'
- ❖ Since 2005, Shiraz has polled highest
 - majority = New World



Varietal share (%) since 1957, Australia



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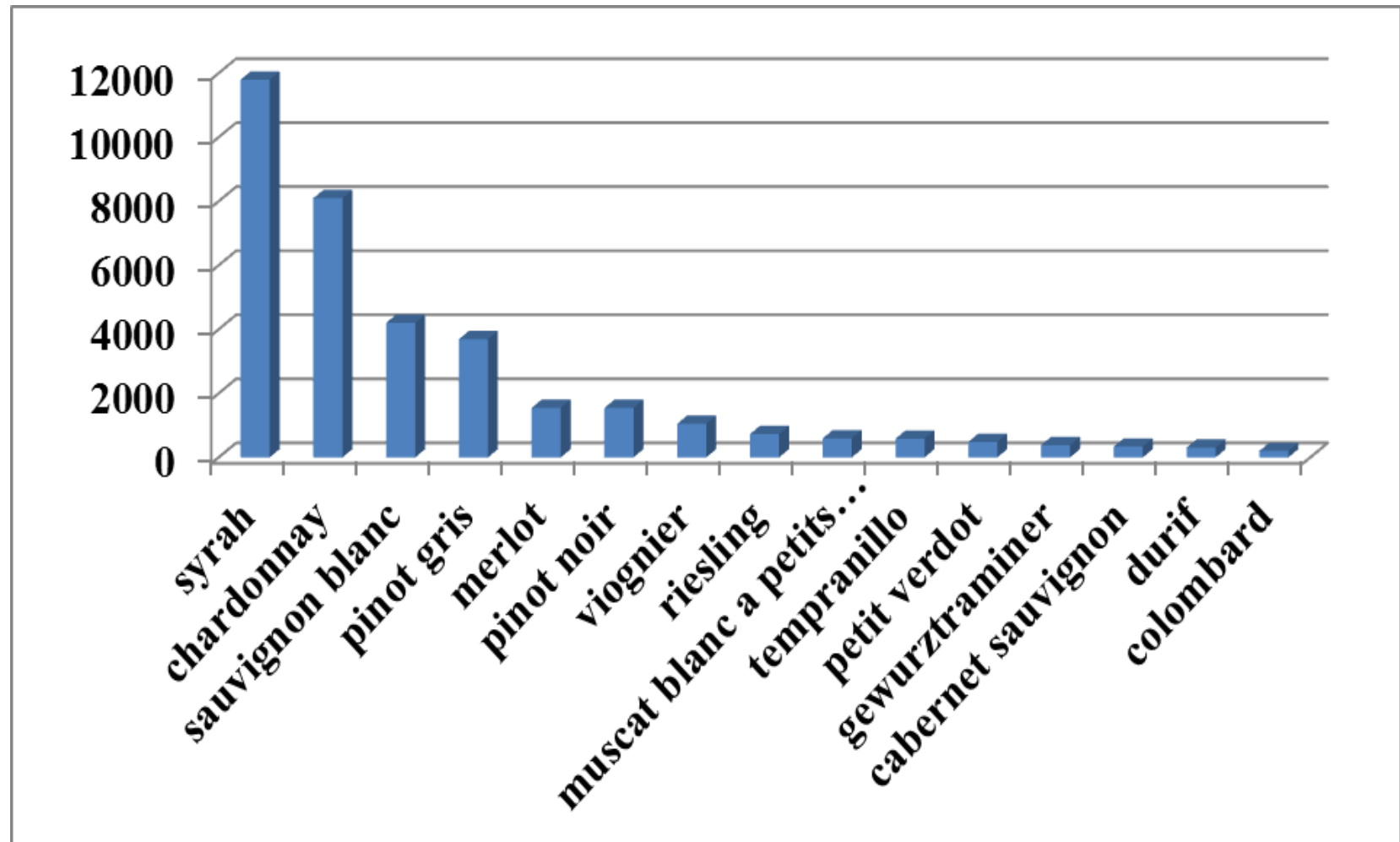


Source: Anderson prev unpub

Change in bearing area for most-expanded varieties, Australia, 2001 to 2012 (hectares)



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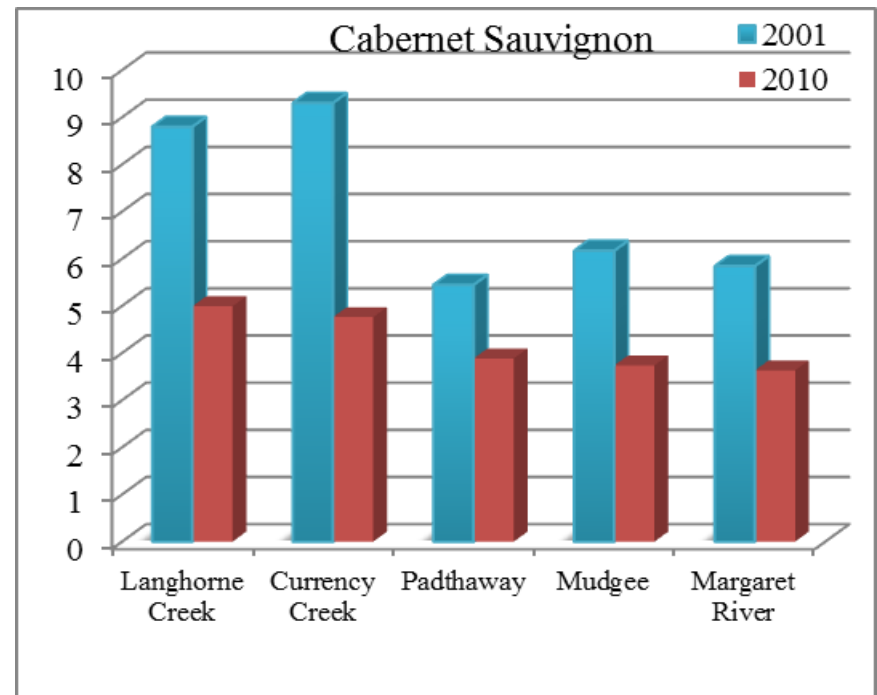
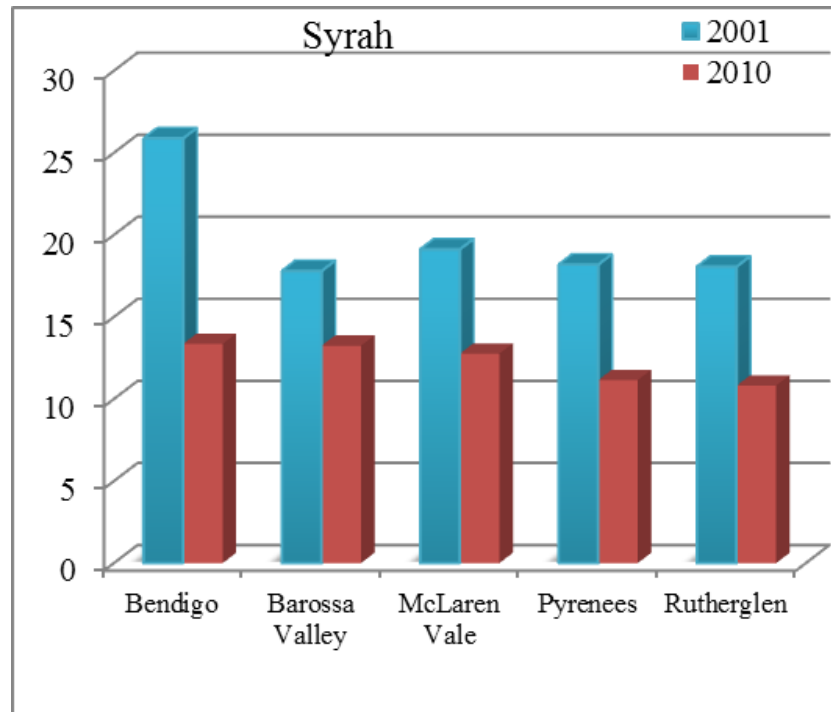
Source: Anderson 2014

Australian regions with largest Varietal Intensity Index relative to global average: 2001 and 2010



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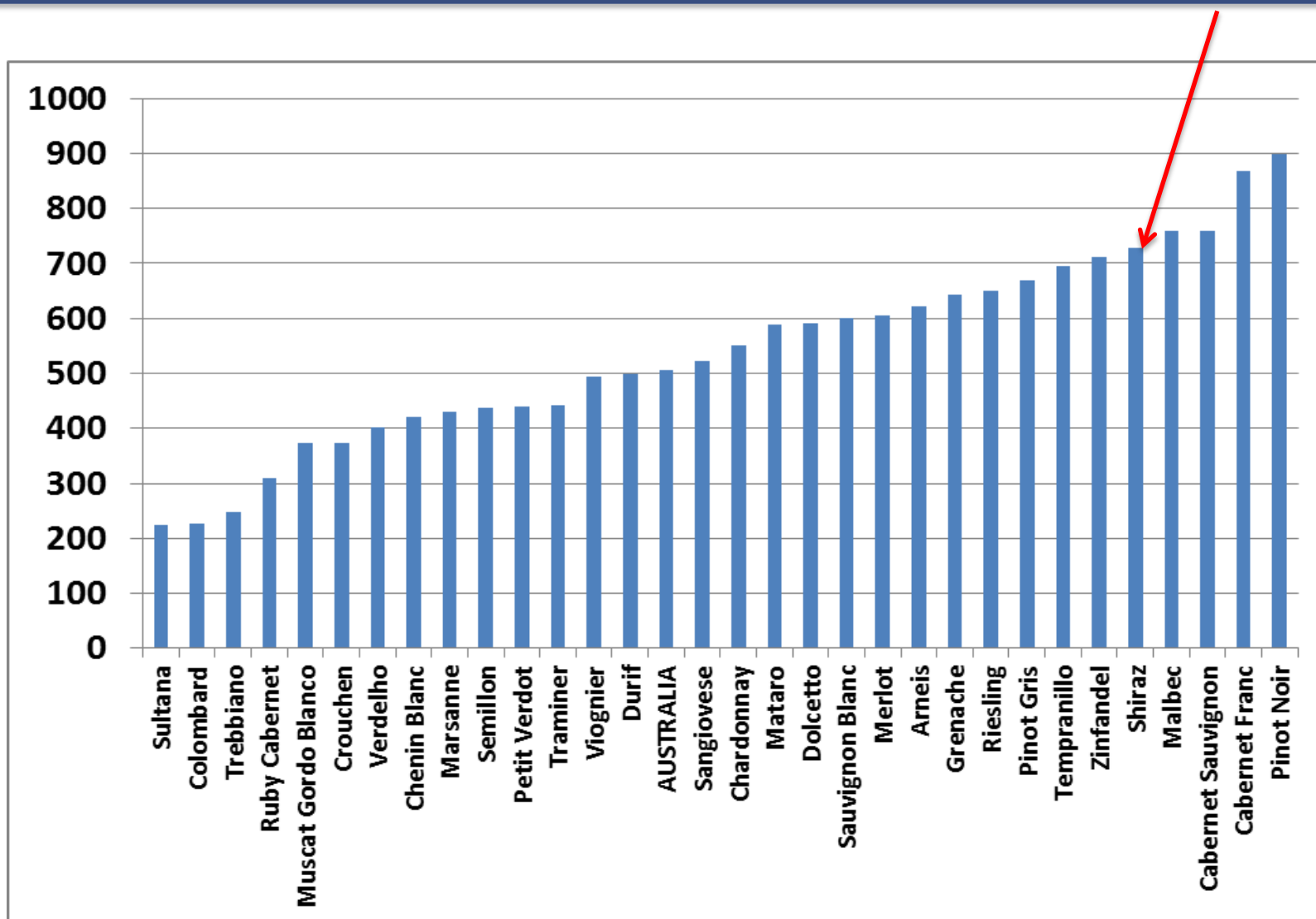
Source: Anderson 2014



National average prices of main winegrape varieties, Australia, 2013



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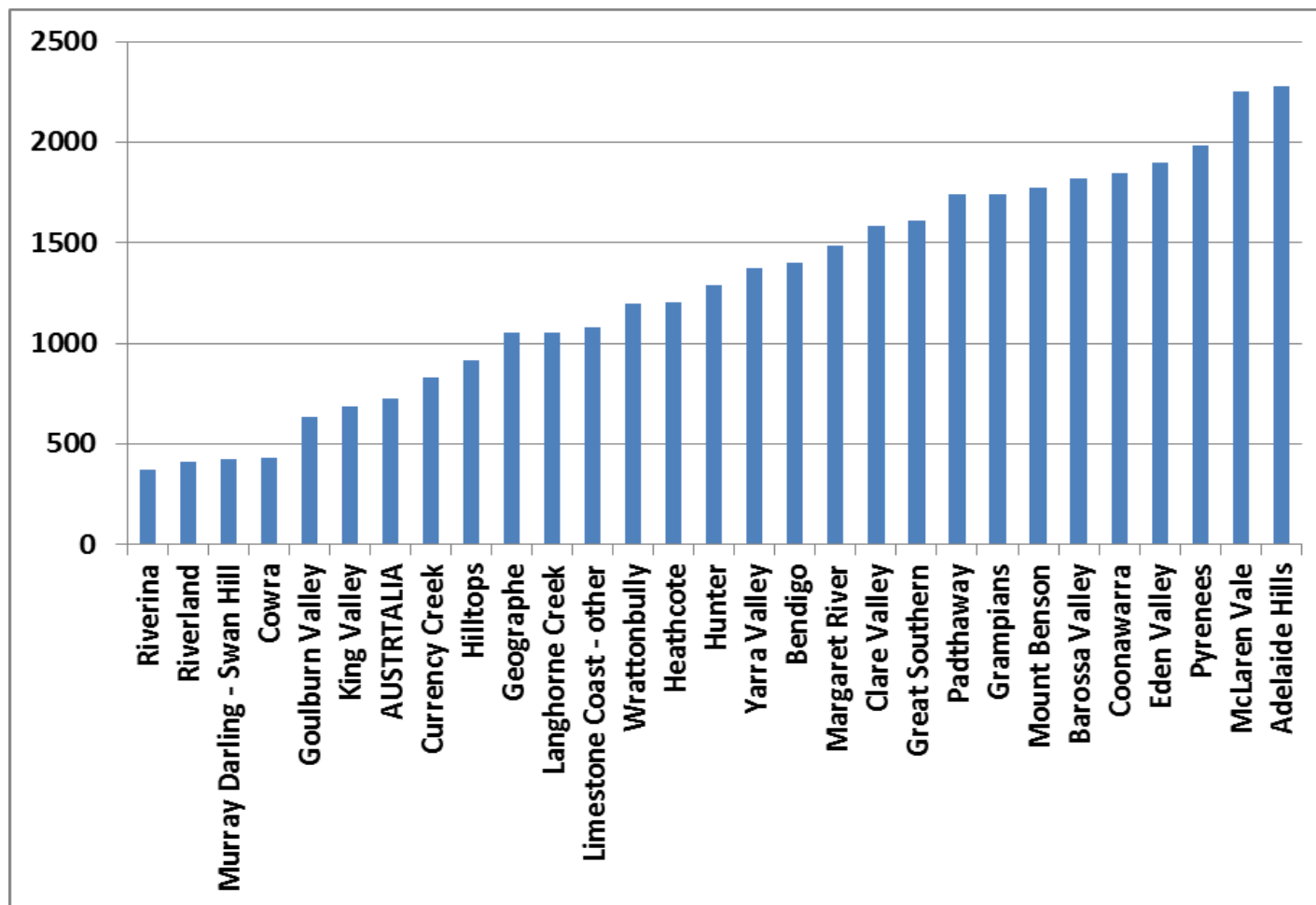


Source: Anderson 2014

Average price of Shiraz by region, Australia, 2013



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Source: Anderson 2014

Dominance of Shiraz wines in Langtons Classification VI



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- ❖ Exceptional 11/16
- ❖ Outstanding 26/52
- ❖ Excellent 30/66
- ❖ = 50% overall



Is it our most versatile variety in Australia?



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Riverland



Mornington Peninsula



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Paringa Estate



Idiosyncrasies of Shiraz



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- ❖ Significant berry shrivel/weight loss late in ripening
 - From about 90 to 100 days after flowering
 - Water loss by berry
 - only when combination of backflow via xylem (remains hydraulically connected) and low cell vitality
- ❖ Very susceptible to primary bud necrosis
 - Reduces productivity
 - Also Viognier



Balhannah, Adelaide Hills, SA



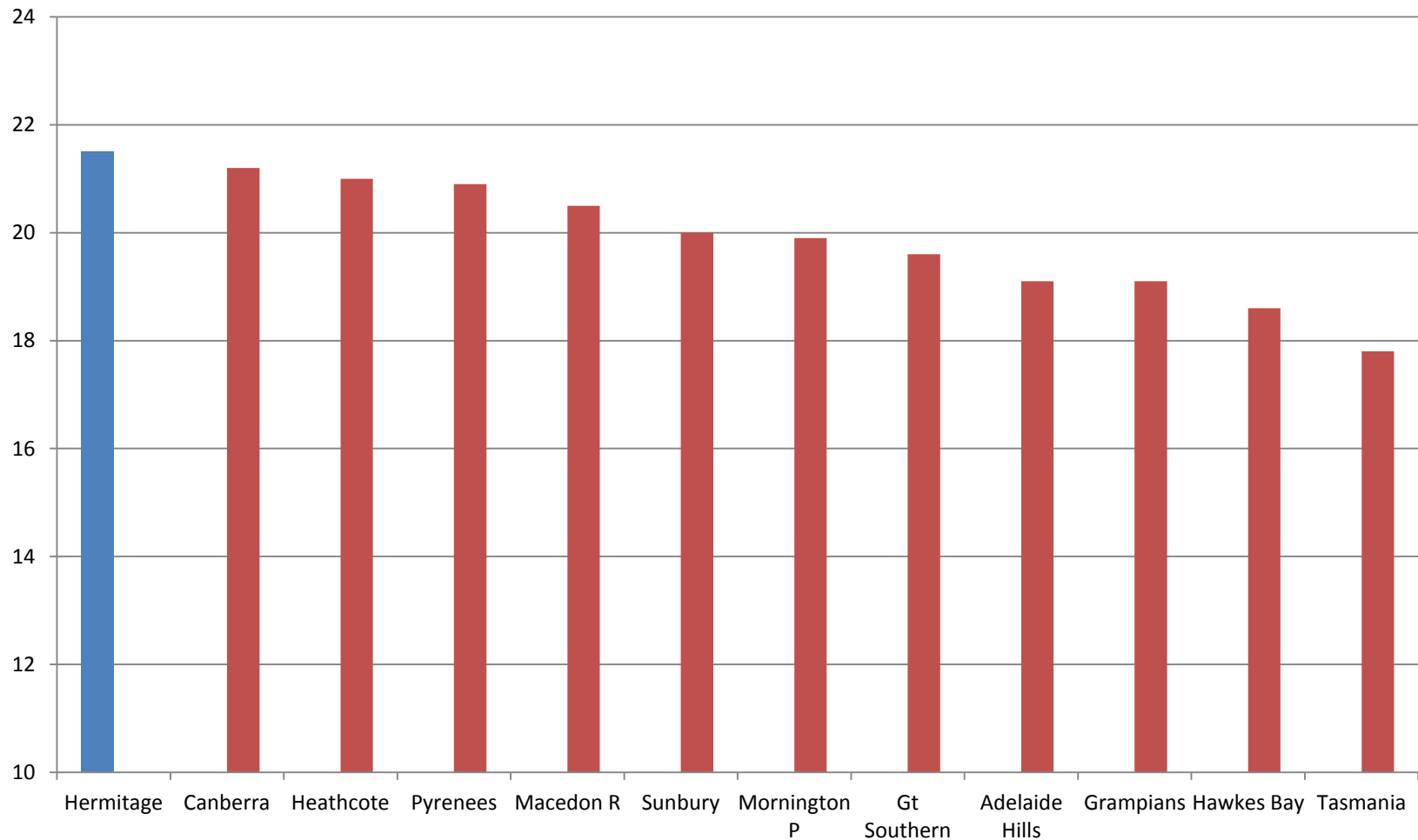
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MJT (°C): Australian regions (1980-2010 mean)



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Shiraz ripening month



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Region	Mean temp °C	TVA	Sunshine hrs	Rel humidity
Hermitage	19.6	low	high	moderate
Canberra, Heathcote, Pyrenees	19.5 -20.4	moderate	high	low
Sunbury, Great Sthn, Grampians (Macedon R)	16.9 – 19.3	moderate to high	low to moderate	moderate
Adelaide Hills*	14.9	high	moderate	moderate
Mornington, Hawkes Bay Tasmania	14.5 – 18.0	low	low	moderate to high

Adapted from Gladstones (1992) Viticulture and Environment

TVA = temperature variability index

* Estimate for Balhannah 400 m