

# Estimate of Global EGS Potential



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## Published Estimates of Global EGS Potential

Location	Power (GWe)	References
USA	100	MIT, 2006
Australia (part - 3 project areas in SA)	13	Goldstein, pers comm 2008
Germany	35	Paschen et al 2003
Switzerland (23%)	12	Signorelli & Kohl, 2007
China (2 geothermal regions)	100	Wan et al; 2005
India (part)	100	Chandrasekhar et al, 2007
<b>Total</b>	<b>360</b>	

# Global Estimates of EGS

- Total Area of Earth:  $5.2 * 10^8 \text{ km}^2$
- Continental Area:  $1.5 * 10^8 \text{ km}^2$
- Area of Continental US:  $7.7 * 10^6 \text{ km}^2$
- Ratio of US vs Global Area: 19.5: 1
- EGS for US (MIT): 100 GW
- First Order Estimate Global EGS :  $19.5 * 100 \text{ GW} \sim 2 \text{ TW}$
  
- First Order Estimate Global Hydrothermal  $\sim 1\text{-}2 \text{ TW}$

*(includes yet to be discovered resources, source Stefansson, 2005)*