

Are the pillars built on solid ground?

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Chairman of the IEA DSM-Programme

FourFact

4-Fact

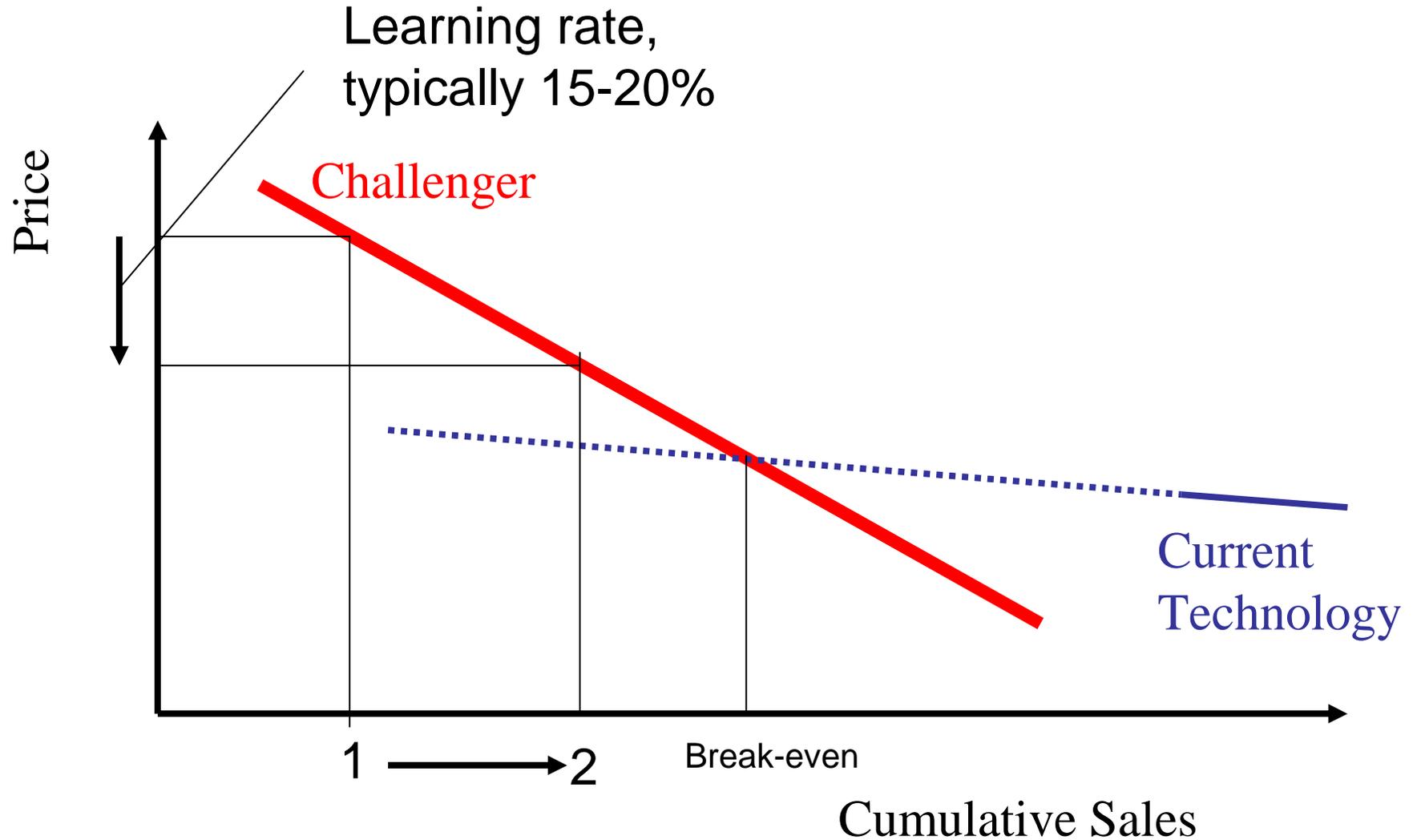


The foundation is moving

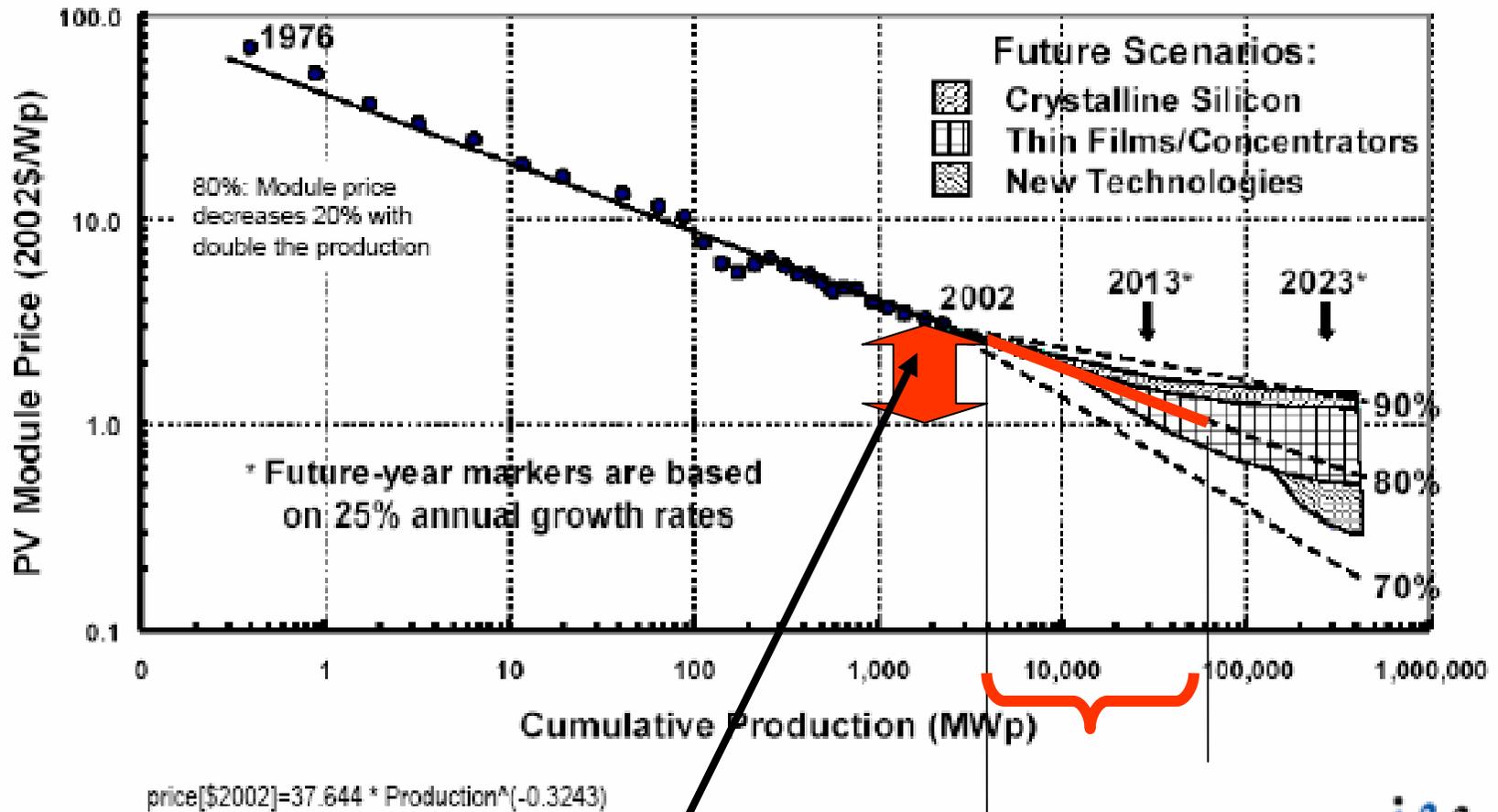
- The Stern report
- The ETS non-delivery
- The targets are manifold
- People are human
- Learning curves exist

The learning curve

(NOTE: a straight line in double logarithmic scale)



Technology Learning Curves

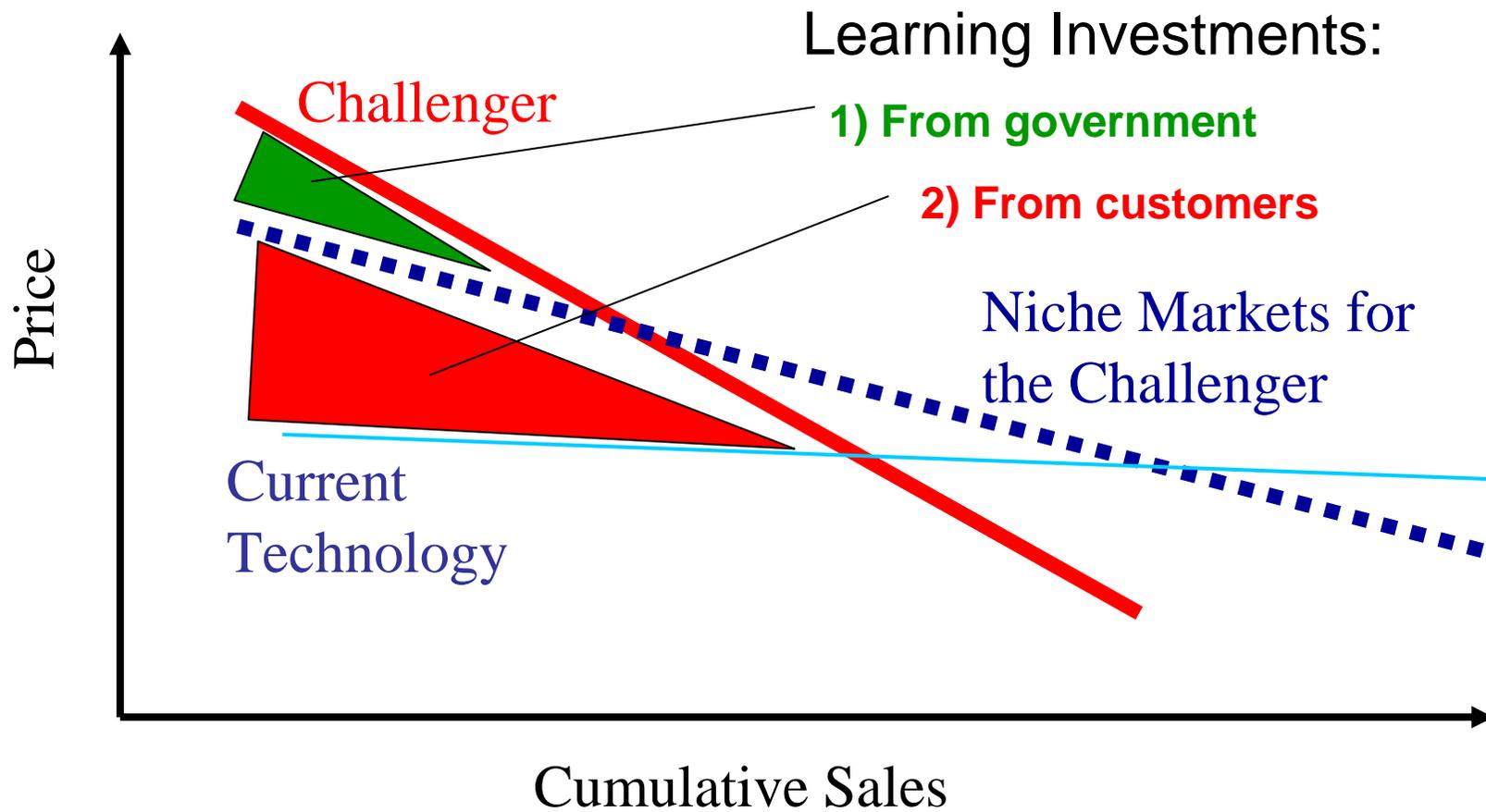


Break-even

Co-ordination

- **Energy Efficiency comes first** (and the policies will have to be more “aggressive”)
- **New efficiency instruments e.g. White certificates**
(<http://dsm.iea.org/NewDSM/Work/shop/TaskXIVFinalReport.pdf>)
- **Technology maturity may motivate different approaches** (Creating Markets for Energy Technologies: http://www.iea.org/textbase/nppdf/free/2000/creating_market_s2003.pdf)
- **Finding “niche markets” is essential**

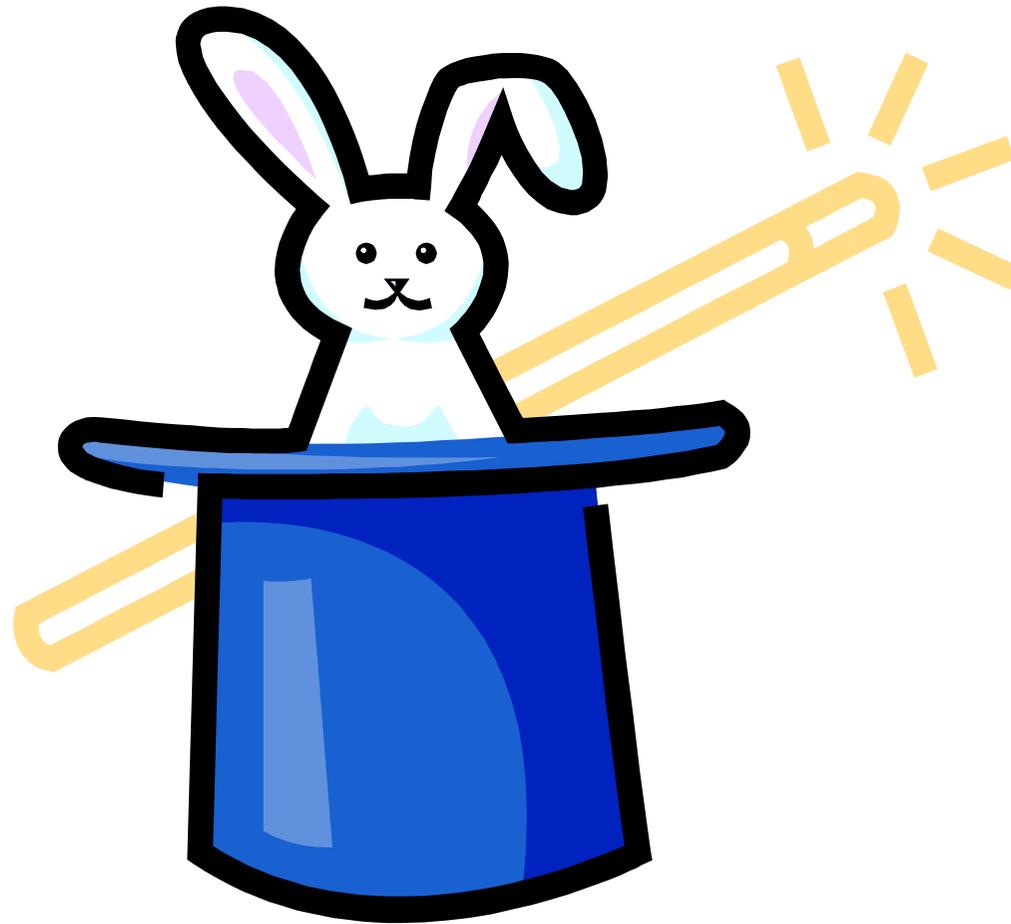
Find and define the Niche Markets



Optimising when everything moves?

- ETS (expansion, reformation)
- Flexibility in demand (Demand Response)
- Demand response to firm intermittent power
- Smart grids to accommodate decentralised generation
- Future “alarms” (as we learn)
- Institutional restrictions (actor qualifications)

Are there more surprises ahead!



<http://dsm.iea.org>

