

# Sustainability and Sustainable Development

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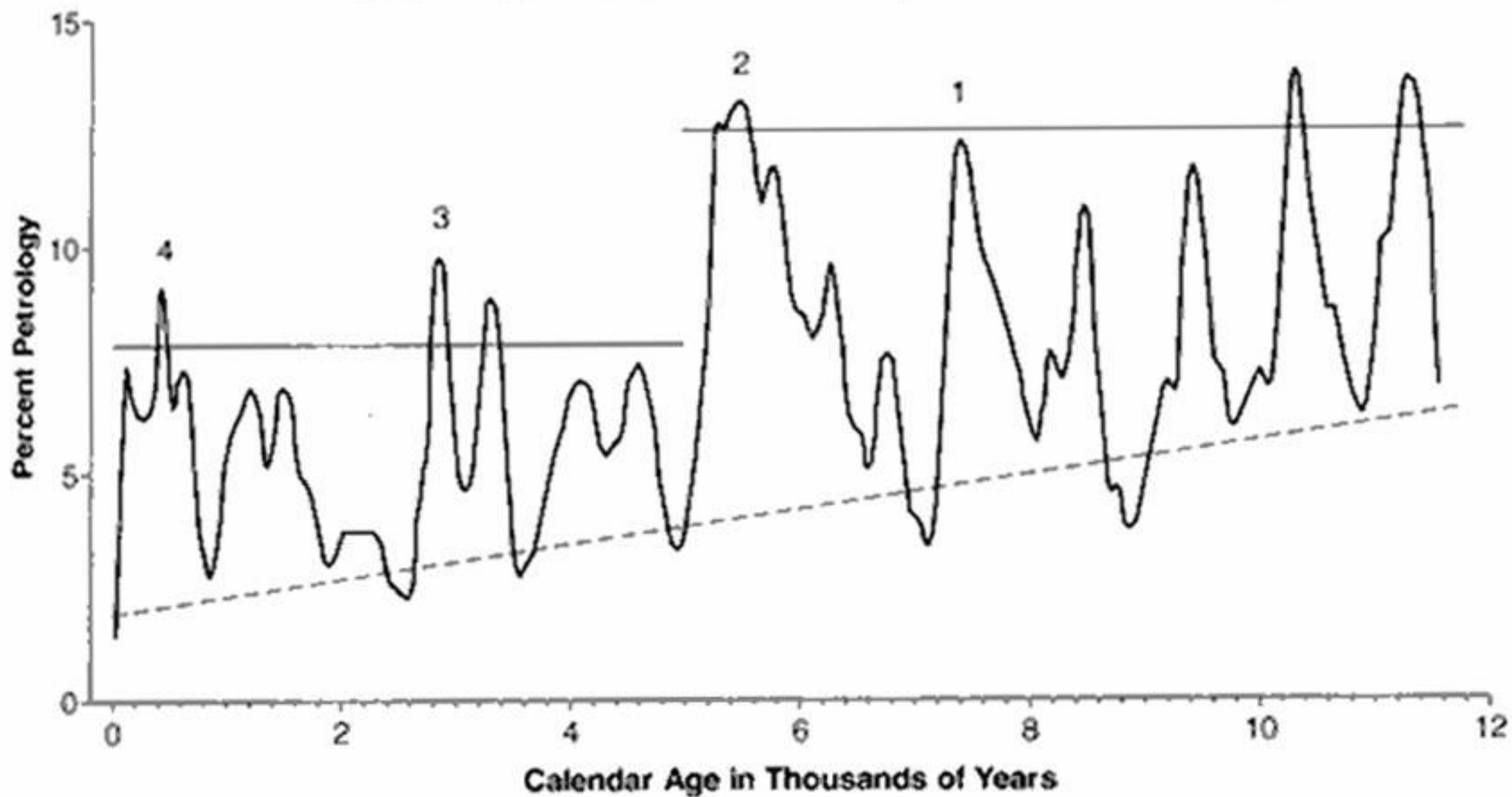
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— Stack of MC52-V29191+MC21-GGC22 (4 records, Bond et al. 2001)



# Sustainability Planning

- For how long is a sustainability plan in effect?
- What triggers a reassessment?

# “To Sustain”

*The Oxford English Dictionary*

“To keep in being; to continue in a certain state; to keep or maintain at the proper level or standard; to preserve the status of.”

# Four Questions of Sustainability

- Sustain what?
- For whom?
- For how long?
- At what cost?









# Sustainability Lessons

- Sustainability is an active condition of problem solving, not a passive consequence of consuming less.
- Problem solving is an economic function, with benefits and costs, and can reach diminishing returns.
- Sustainability is an economic function, with benefits and costs.
- Sustainability may require greater consumption of resources, not less.

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2. Develop sustainably for whom?
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# Four Principles of Sustainability

1. Sustainability is a human matter, not exclusively an environmental one.
2. A society achieves sustainability through success in solving problems.
3. Energy and natural resources are the bases of sustainability.
4. Sustainability must be objectively measured.



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# Epirus



# New Mexico



# Brain Development

Scientists are just now realizing how experiences after birth, rather than something innate, determine the actual wiring of the human brain. "Only 15 years ago...neuroscientists assumed that by the time babies are born, the structure of their brains [had been] genetically determined." But by last year researchers knew that was wrong. Instead, early-childhood experiences exert a dramatic and precise impact, physically determining how the intricate neural circuits of the brain are wired.

*Newsweek* 1/17/2008

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# Sustainability Plans

- Who wins?
- Who loses?



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