

# Spatio-temporal scales and G.O.D. (Gulf Oil Disaster)

John Protevi

LSU French Studies

[www.protevi.com/john](http://www.protevi.com/john)

[protevi@lsu.edu](mailto:protevi@lsu.edu)

# Temporal scales

- Solar-bio-geological: millions of years
  - Photosynthesis: carbon-based capture of solar E
  - Biogenesis via pressure and heat
    - of petroleum (aquatic zooplankton and algae)
    - of coal (land-based plants)
- Political economy: hundreds of years
  - 1800-1900: coal / steam
  - 1900-2010: petroleum
  - 2010-?: transition
- Electoral: 2-6 years
- Media: weeks
- Ecological: ?

# Spatial scales

- Oil production:
  - distance from land
  - depth of drilling
  - refineries and retail sales
- Oil use in transportation
  - Urban: mass transport / walking / biking
  - Suburban: cars
    - Who killed Roger Rabbit?
    - Who killed the electric car?
  - Inter-urban: planes and trains

# Spatio-temporal scales of G.O.D.

- Media images (evo-bio-neuro-social empathy)
  - Oil-soaked birds and beaches
  - Leak-cam
- Corporate Security State (control of images)
  - “Deepwater Horizon Unified Command”
  - BP / Coast Guard / Depts of Defense, State, and Homeland Security
  - Wackenhut (private security firm)
- Dispersants
  - Keep oil off surface / birds
  - Smaller spatial scale of same eco-system
  - Longer temporal scale
    - Beyond media attention span (images vs words)
    - Beyond the media window to affect electoral cycle