Waves and undercurrents

- Basic undercurrent (1960-Now) – Need for process definition (mostly prose)
- Petri net undercurrent (1989)

   - 1987 – Osterweil – APPL/A
   - 1997 – Osterweil – JIL (wrong path – too detailed)


3. Third Wave (2000-Future) – Adoptability – Build on BPML and Web Services, Integrate with existing environments

Research paradigm

- Paradigm used for PDL research:
  1. Develop a new PDL or enhancement to existing PDL
  2. Define some process(es) with it
  3. Execute that(these) process(es) (maybe real-world but surprisingly not usually)
  4. Evolve the process definition(s) (Sometimes - if evolution is a goal) and execute again
  5. Evaluate the language’s capability according to some criteria (automation/execution, communication, analysis/predictions)

- Research methods
  - Concept implementation
  - Empirical (mostly implementation and evaluation) – both to evaluate PDL and to evaluate the analysis capability of it