

# Agile

is **not**

the

**end-game**

*of*

**project**

**management**

**methodologies**

*how and why  
project  
management  
will continue its  
path of  
adaptation...*

**PMOZ 2013, Melbourne, 17 September 2013**

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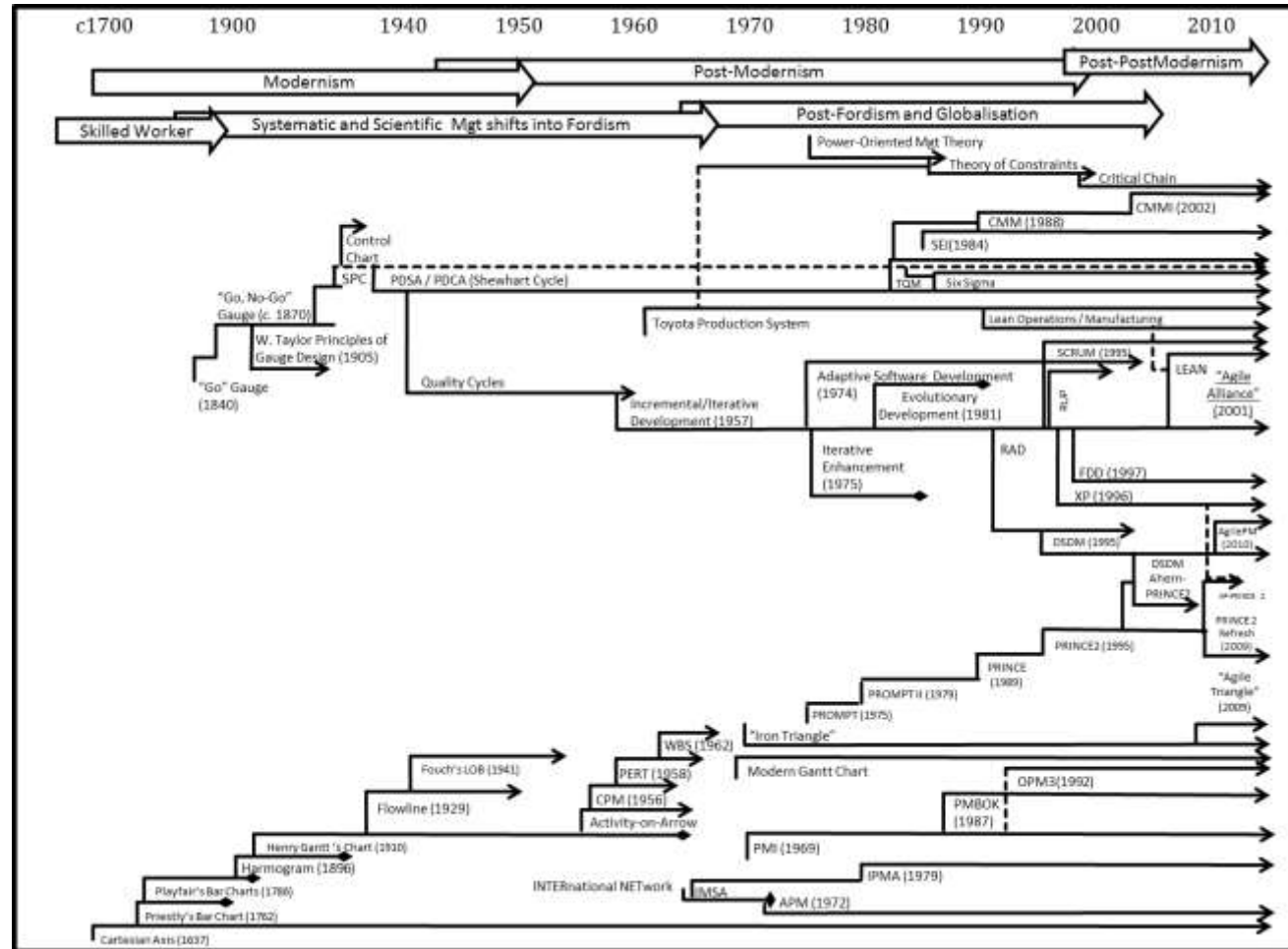
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# previous research

- both the of the paper's authors have examined **project management** from an **evolutionary** perspective
- this entails in part analysing **project management** as a collection of **memes**
- today's presentation continues that line of research but narrowing the focus to **agile methods**
- by its nature this research is **ongoing** and accommodates consideration of **alternative views** and **inferences**

# reconceptualising project management

- presented a **phylomemetic tree** to depict **inferred relationships** among tools and **methodologies**



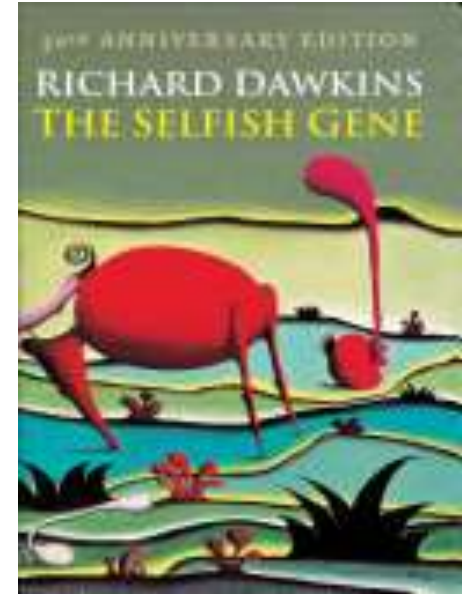
McKenna, T. and S. Whitty. *Reconceptualising project management methodologies for a post-postmodern era*. in *PMOZ - 9th Annual Project Management Australia Conference*. 2012. Melbourne.

# the issue at hand

- **agile methods** are perceived as a **revolution** in project management
- **agile manifesto gathering** self-described as **organisational anarchists** (Beck *et. al.* 2001)
- **but** research shows **agile methods** are merely part of an ongoing **evolution** of project management

# what's in a meme?

- Dawkin's "*The Selfish Gene*" (Oxford University Press 1976)
- gave rise to widespread and diverse research into applications of "**memetics**"
- a definition...

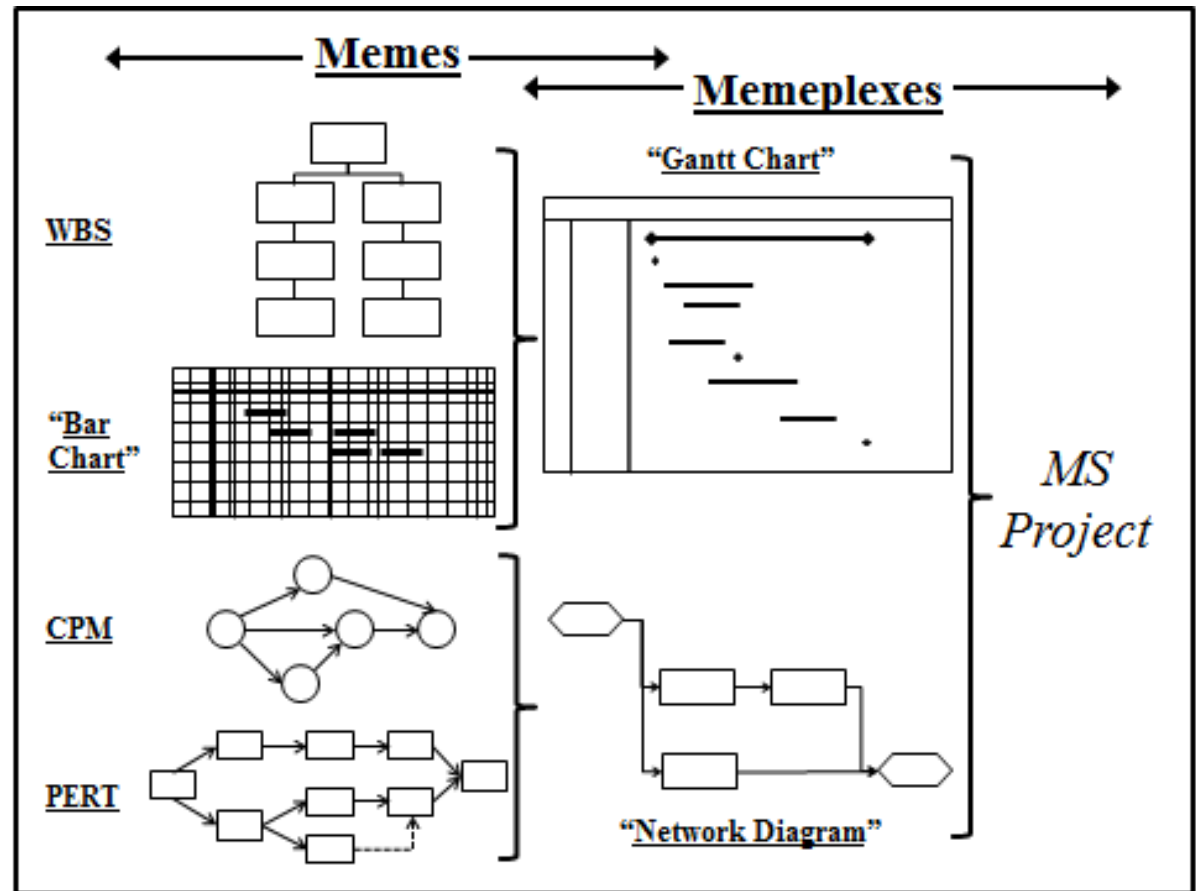


*"The least **unit of sociocultural information** relative to a **selection process** that **has favourable or unfavourable selection bias** that exceeds its endogenous tendency to change"*

Wilkins, J.S. *What's in a Meme? Reflections from the perspective of the history and philosophy of evolutionary biology*. *Journal of Memetics - Evolutionary Models of Information Transition*, 1998. 2, 21

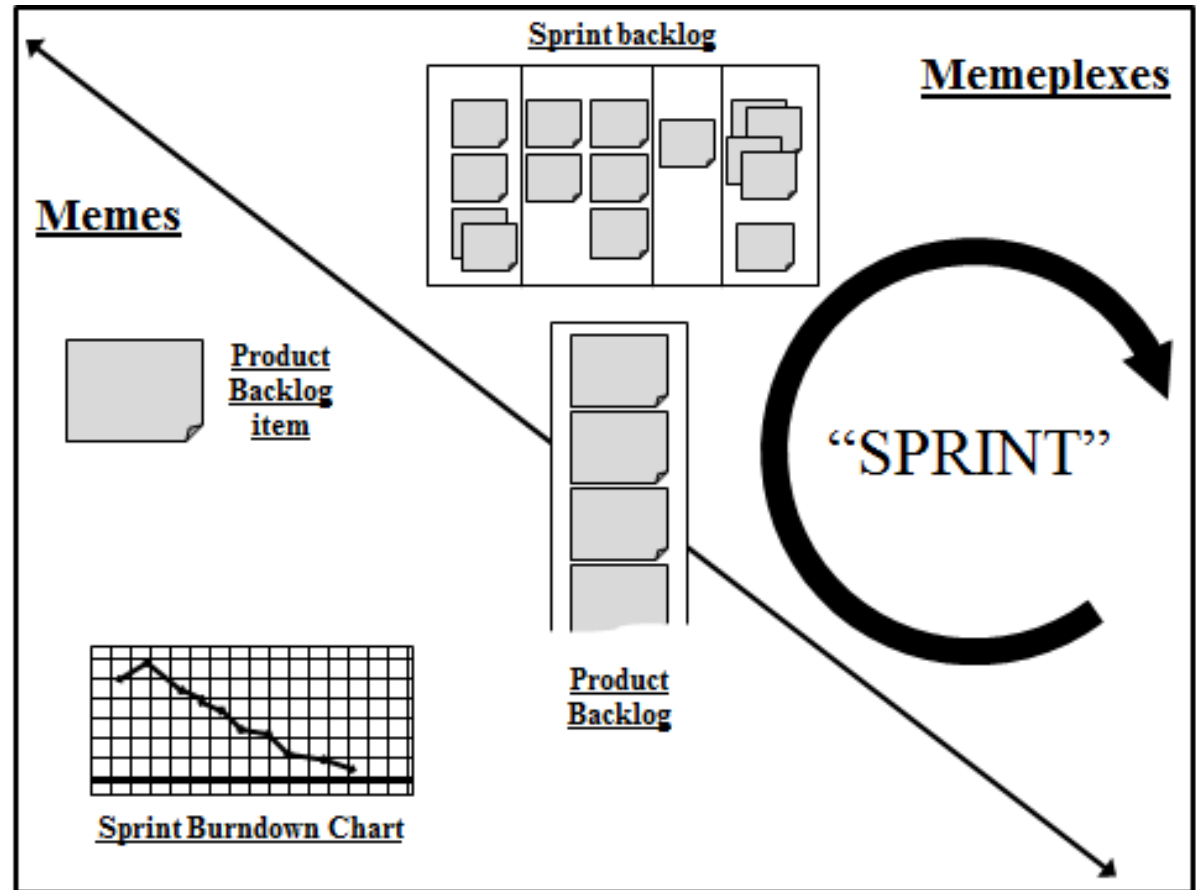
# of memes and memplexes

- “memplex” is a **grouping** of memes which **increases** the memes’ **prospects of survival and propagation** better than the memes would individually management



# of memes and memeplexes

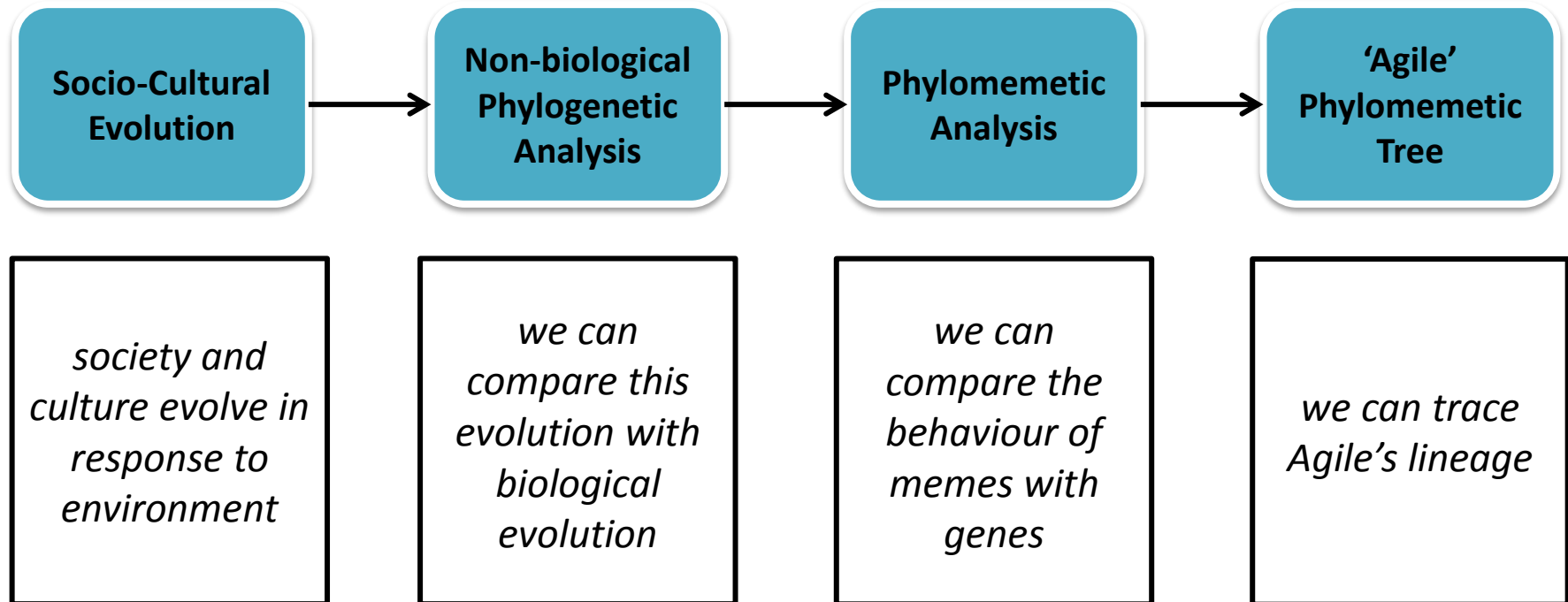
- “memeplex” is a **grouping** of memes which **increases** the memes’ **prospects of survival and propagation** better than the memes would individually management





# research approach

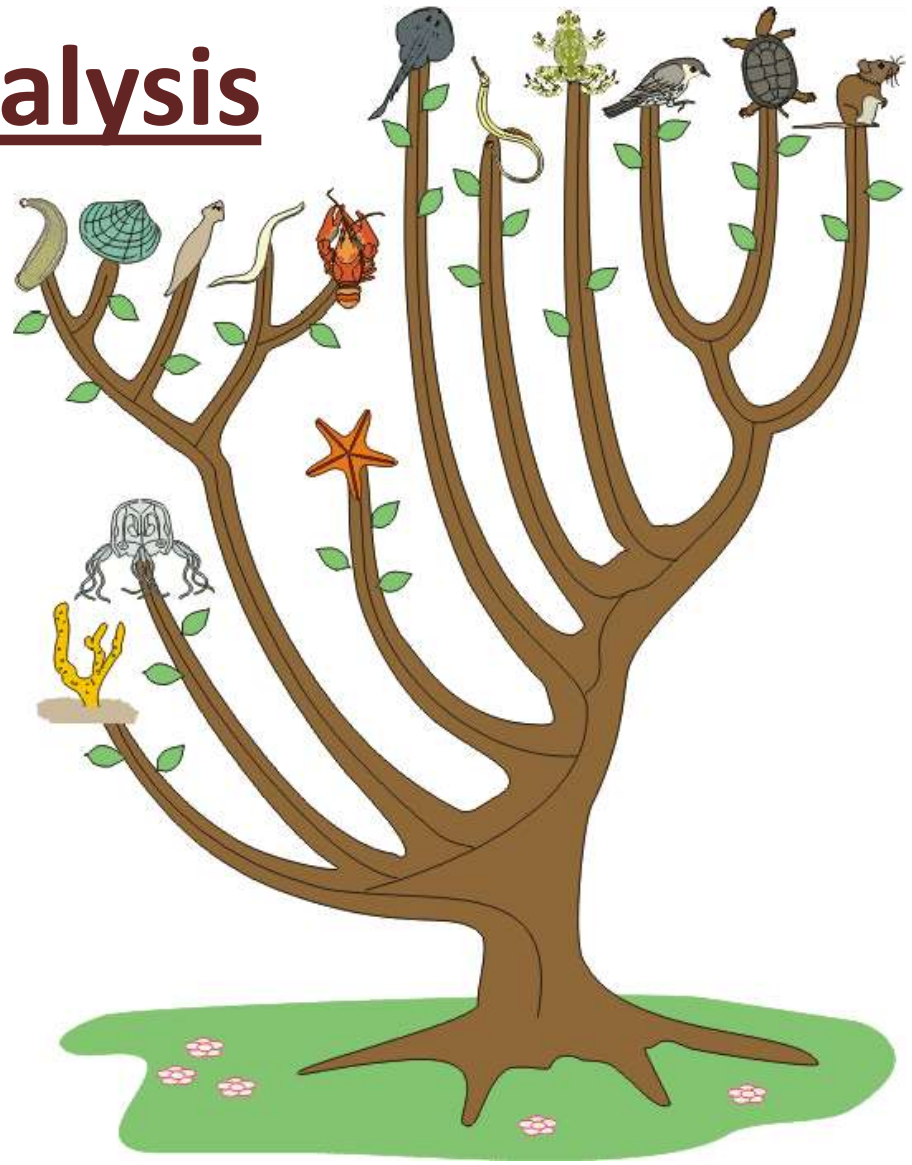
- project management is a **socio-cultural phenomenon**

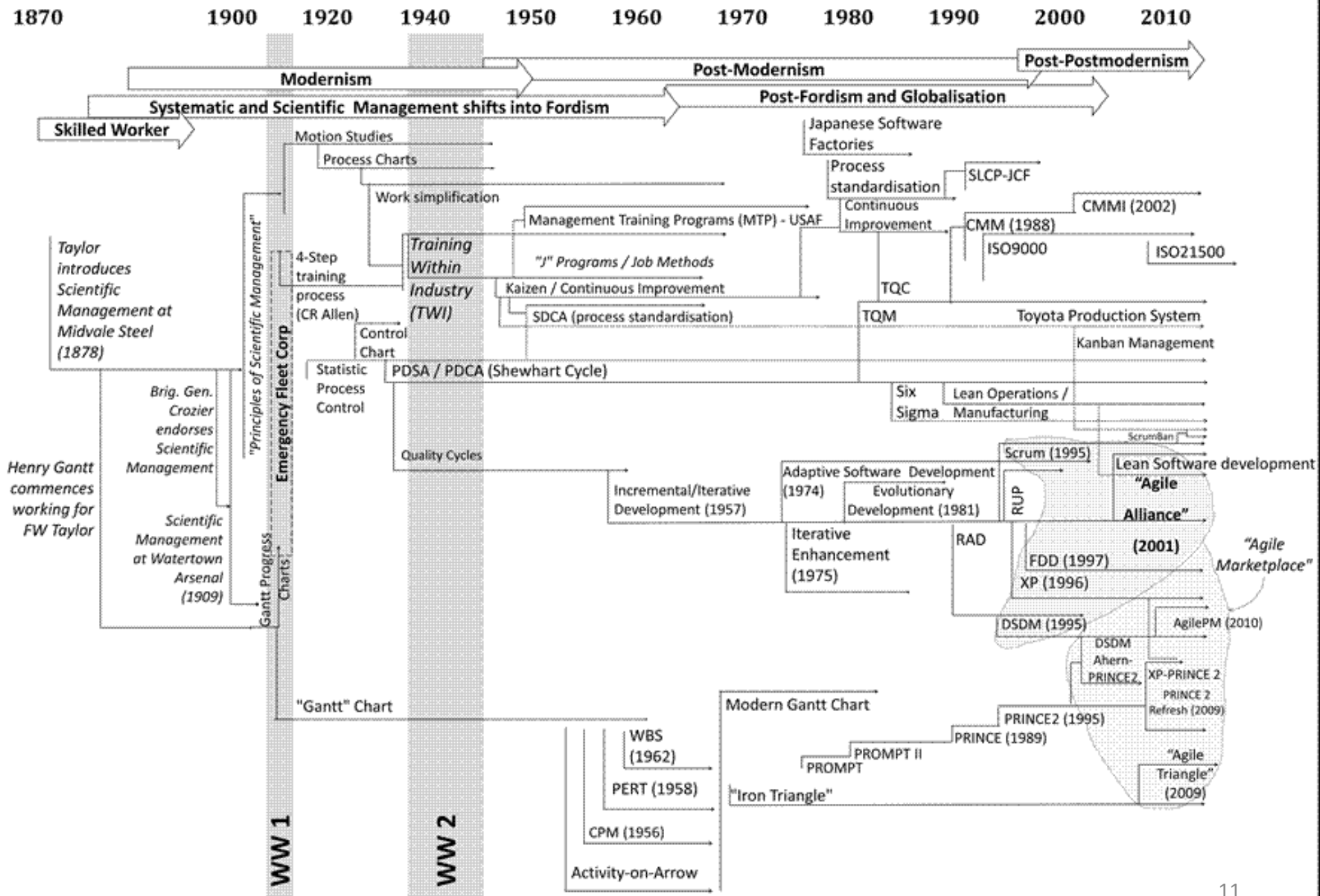


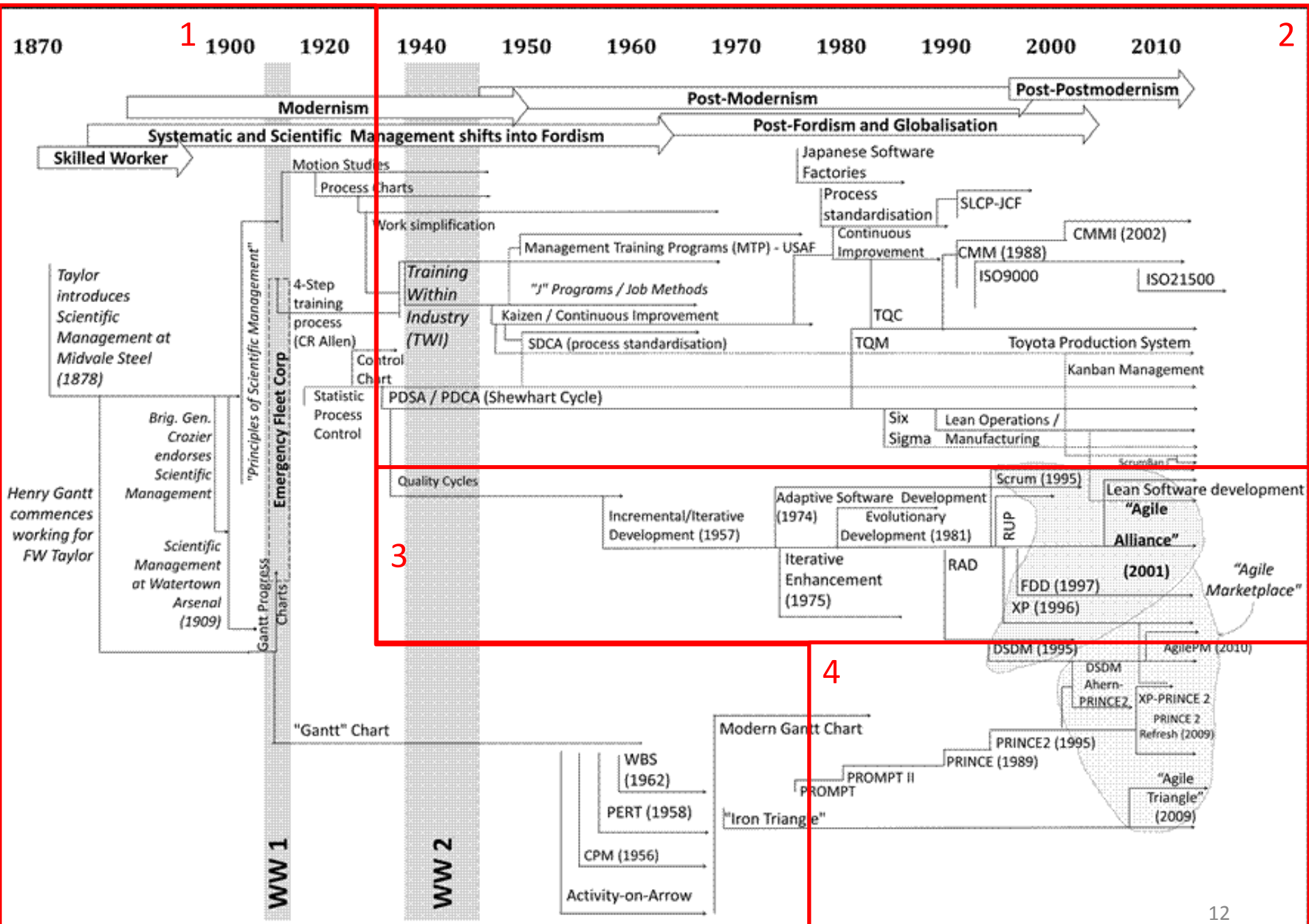
# phylomemetic analysis

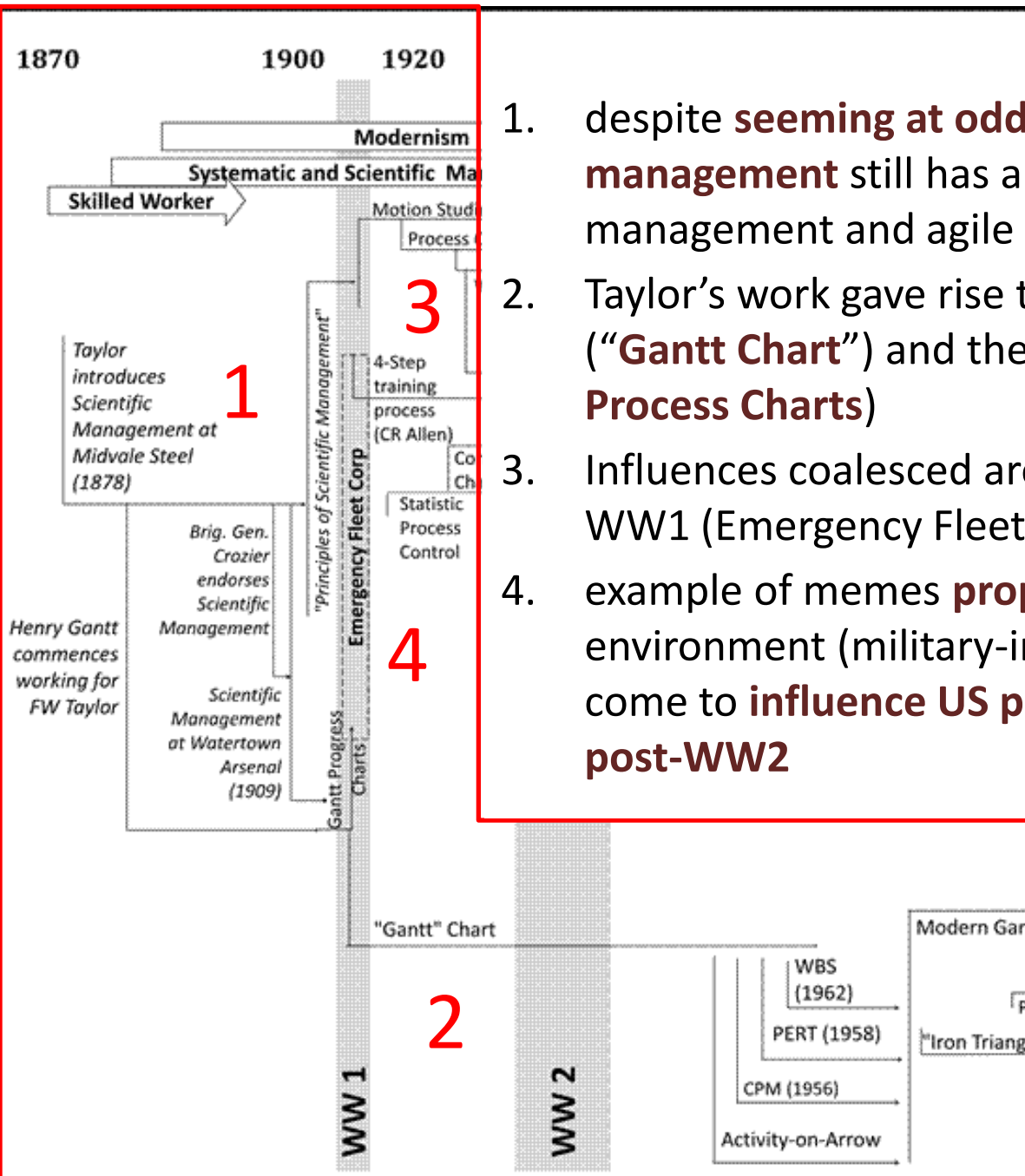
“**phylomemtics**” is to the exploration of the origin and propagation of **ideas**, or ‘memes’ as

“**phylogenetics**” is to the study of evolutionary relationships among groups of **organisms**

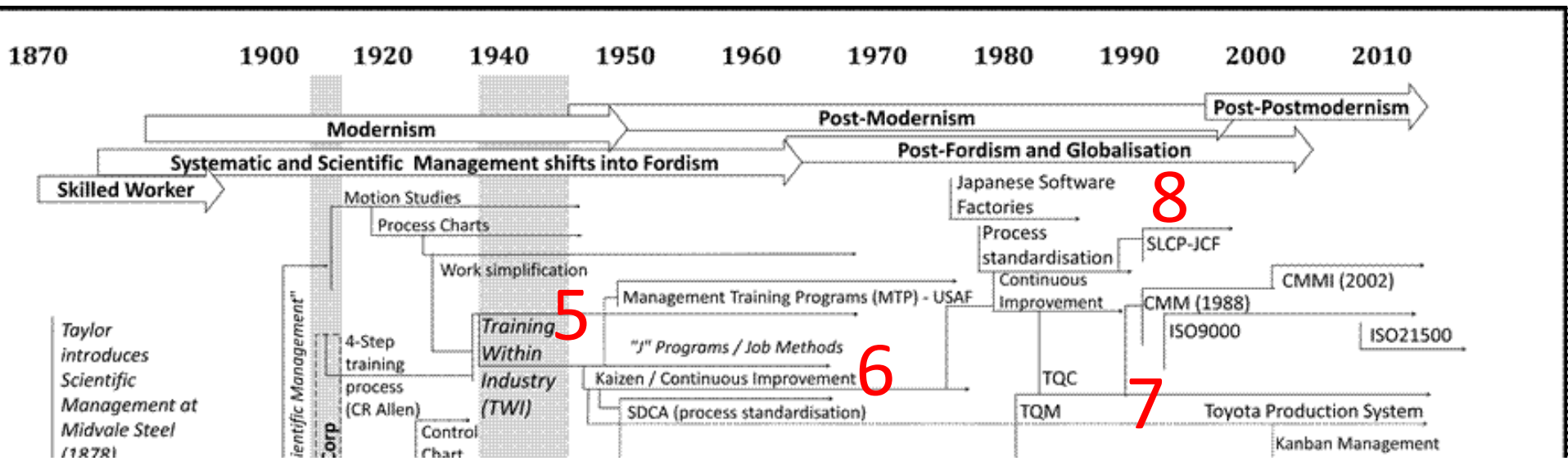




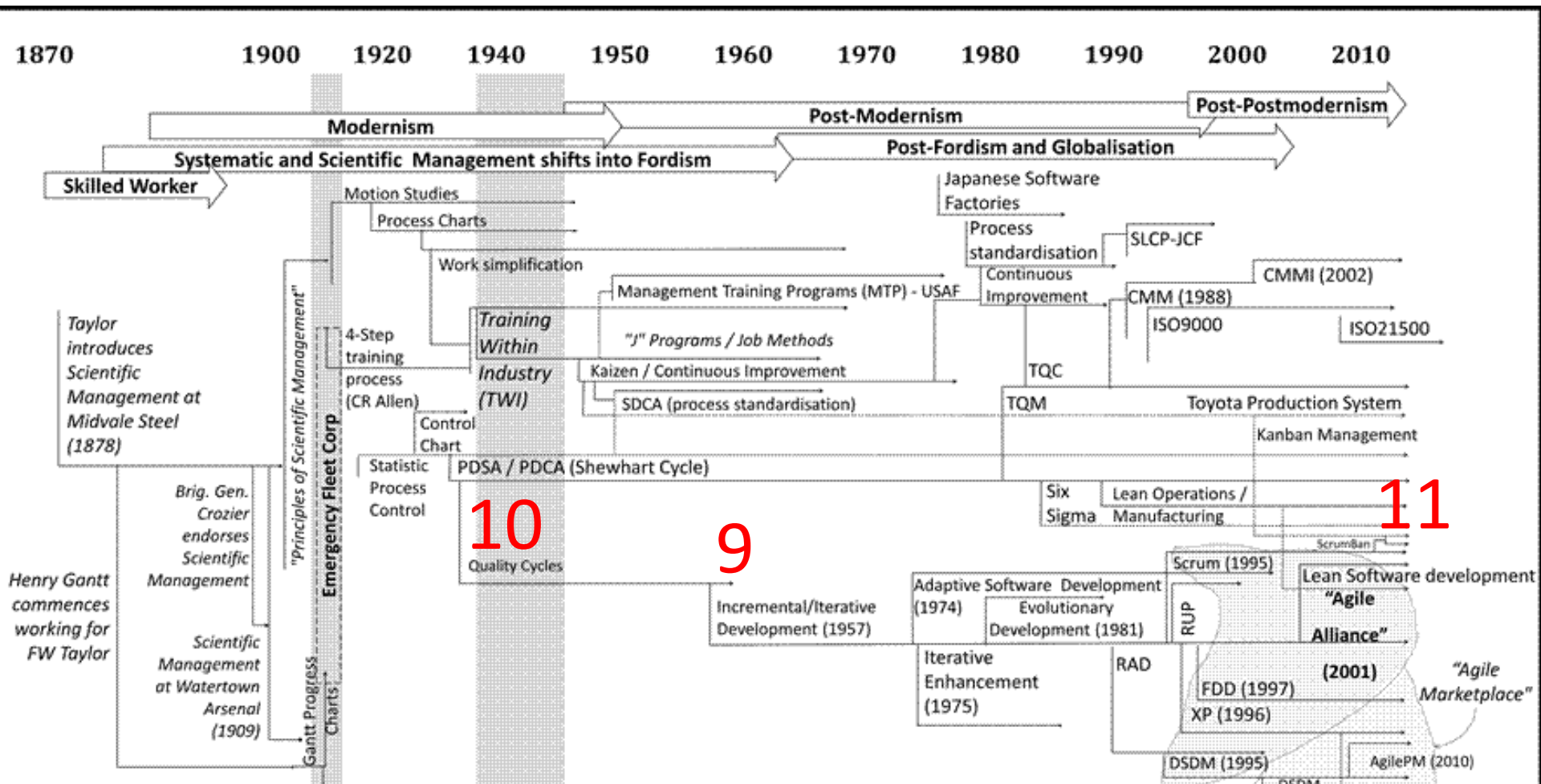




1. despite **seeming at odds** with modern work, **scientific management** still has a strong influence on project management and agile methods
2. Taylor's work gave rise to the influence of Henry Gantt ("**Gantt Chart**") and the Gilbreths (Time & Motion, **Process Charts**)
3. Influences coalesced around work in building ships in WW1 (Emergency Fleet Corporation)
4. example of memes **propagating** in a suitable environment (military-industrial complex) which would come to **influence US programs** introduced in **Japan post-WW2**

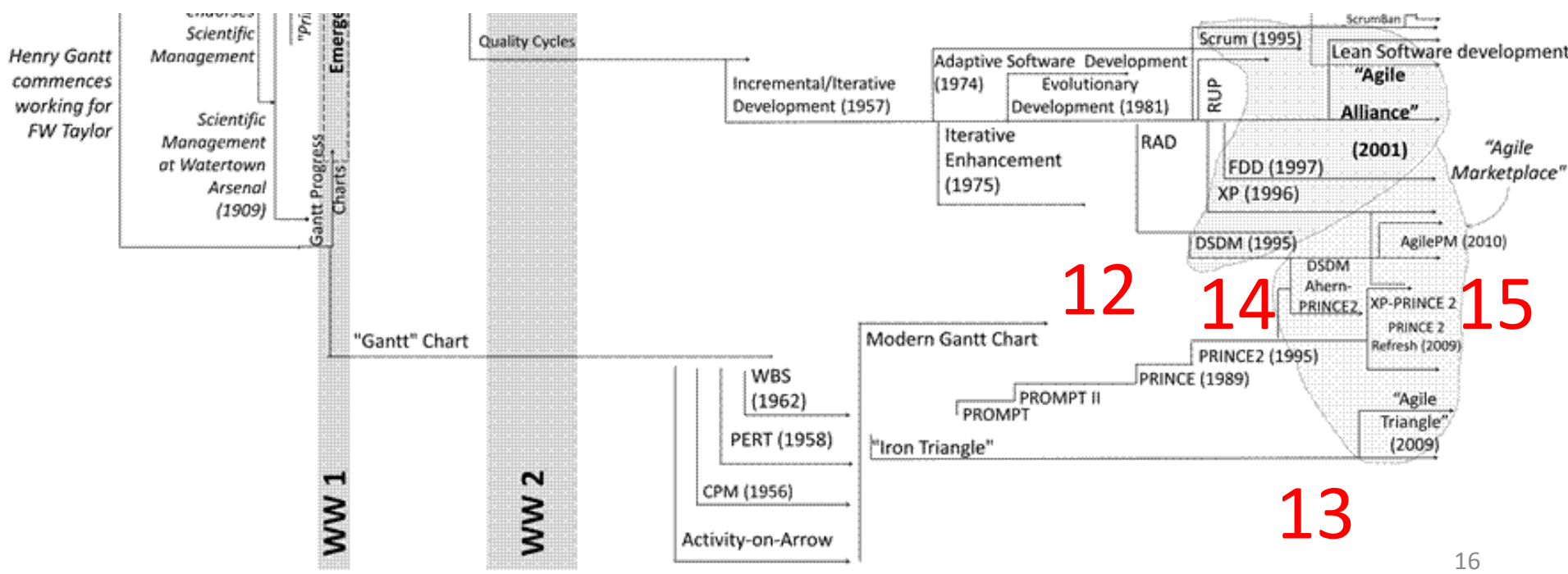


5. the **Training Within Industry** program introduced by US to help **rebuild Japanese industry** relied heavily upon the work in the Emergency Fleet Corporation and its **scientific management** influences
6. large emphasis upon **standardisation** (e.g. PDCA / SDCA cycles) which originated in the US in the 1920's - **work simplification** and **process control** were other scientific management tools which took hold in the lean movement
7. acknowledged as major influence upon **lean methods** and **kaizen (Toyota Production System)**
8. 1980's-1990's saw **Japanese software industry** adopt "**agile project management**" in response to globalisation and move to standardisation



9. Post-WW1 **US military programs** provided environment for emergence and adaptation of new methods – **incremental methodologies**
10. these had their **roots** also in the early quality movement (Shewhart)
11. various methodologies emerged which influenced the likes of **XP** and **Scrum**

- 12. Influence of **“traditional” project management** takes a different path
- 13. Some **traditional memes** (e.g. Iron Triangle) are re-cast to suit the new “Agile Marketplace” – need to **adapt to survive**
- 14. once-dominant **memeplexes** (e.g. PMBoK, PRINCE2) try to “attach” themselves to the new environment (e.g. co-hosting in agile methods) to retain relevance
- 15. agile methods respond through their own adaptation of traditional project management and agile methods to evolve to “Agile Project Management”

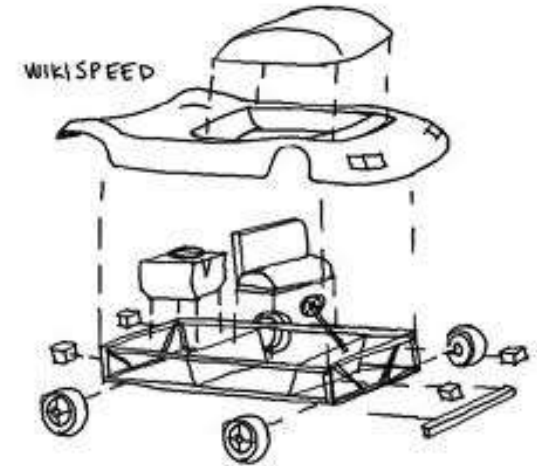




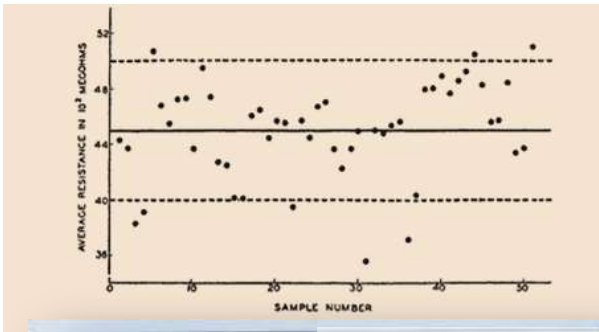
# looking back to look ahead



<http://www.canalmuseum.com/photos/panamacanalphoto002.htm>



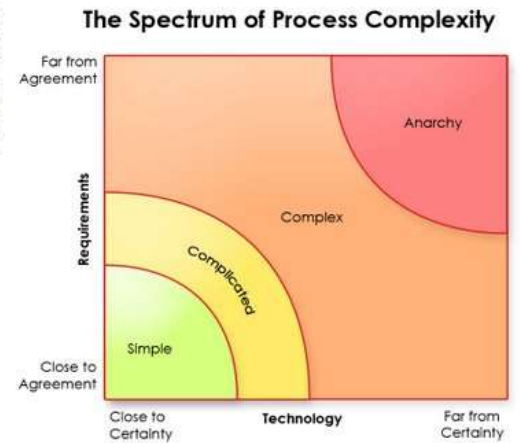
<http://meedabyte.files.wordpress.com/2012/05/wikispeed-the-modular-car.jpg>



Wednesday, July 14

Gantt Layout Chart (Clark 1923, p. 54)

Task	Start	End	Start	End	Start	End	Start	End
Driver	10	15	20	25	30	35	40	45
Blind	10	15	20	25	30	35	40	45
Snag	10	15	20	25	30	35	40	45
Swath	10	15	20	25	30	35	40	45
Witch	10	15	20	25	30	35	40	45



Memetic paradigm frees us to infer how influences interact and without any “grand design”...

# implications

## for business

- diverse “religious views” on project management result in **entrenched positions** which see opposing views as not being ‘real’ project management, or being ‘dinosaurs’
- regardless, the **evolution** of **project management** occurs in response to **changes** in the socio-cultural **environment**
- **project management** also influences how work is organised by **adapting memes** and **forming memeplexes** which in turn find new fields of application
- businesses need to be aware of how the environmental shifts, such as globalisation and the adaptation of technologies, impact upon work and embrace approaches to project management
- but, have we reached...

the end ?????