AGILE

AGILE METHODOLOGY

A SET OF METHODS (PRACTICES, TOOLS, ARTIFACTS) DERIVED FROM THE AGILE MINDSET.

AGILE MANIFESTO ©

- INDIVIDUALS AND INTERACTIONS **OVER** PROCESSES AND TOOLS

- WORKING SOFTWARE **OVER** COMPREHENSIVE DOCUMENTATION

- CUSTOMER COLLABORATION **OVER** CONTRACT NEGOTIATION

- RESPONDING TO CHANGE **OVER** FOLLOWING A PLAN

That is, while there is value in the items on the right, we value the items on the left more.
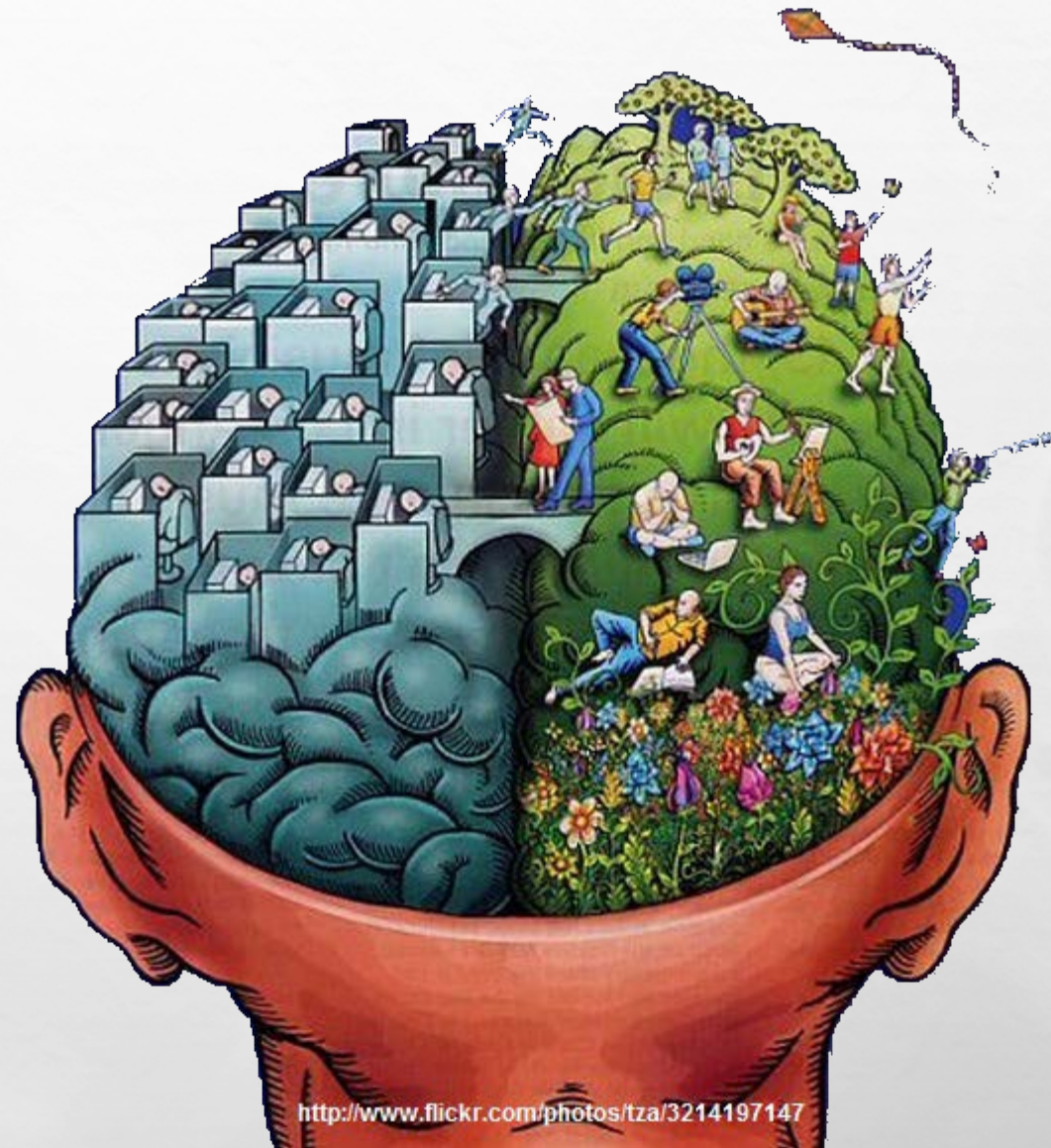
http://martinfowler.com/articles/agileStory.html

PRINCIPLES

- TRUSTED INDIVIDUALS

- ITERATIVE, INCREMENTAL, EVOLUTIONARY

- CONTINOUS, QUICK DELIVERY

- DIRECT COMMUNICATION, QUICK FEEDBACK

- FLEXIBILITY (WELCOME CHANGES)

- OPTIMIZATION

- SIMPLICITY

MINDSET

- TRUST IN ENGINEERING EXCELLENCE

- BE BRAVE TO FACE OBSTACLES

- BE QUICK TO RESPOND

- FOCUS ON DELIVERY AND QUALITY

- CREATE AN ENJOYABLE ENVIRONMENT

http://www.flickr.com/photos/tza/3214197147

AGILE - LEAN

- ELIMINATE WASTE
- APLIFY LEARNING
- DECIDE AS LATE AS POSSIBLE
- DELIVER AS FAST AS POSSIBLE
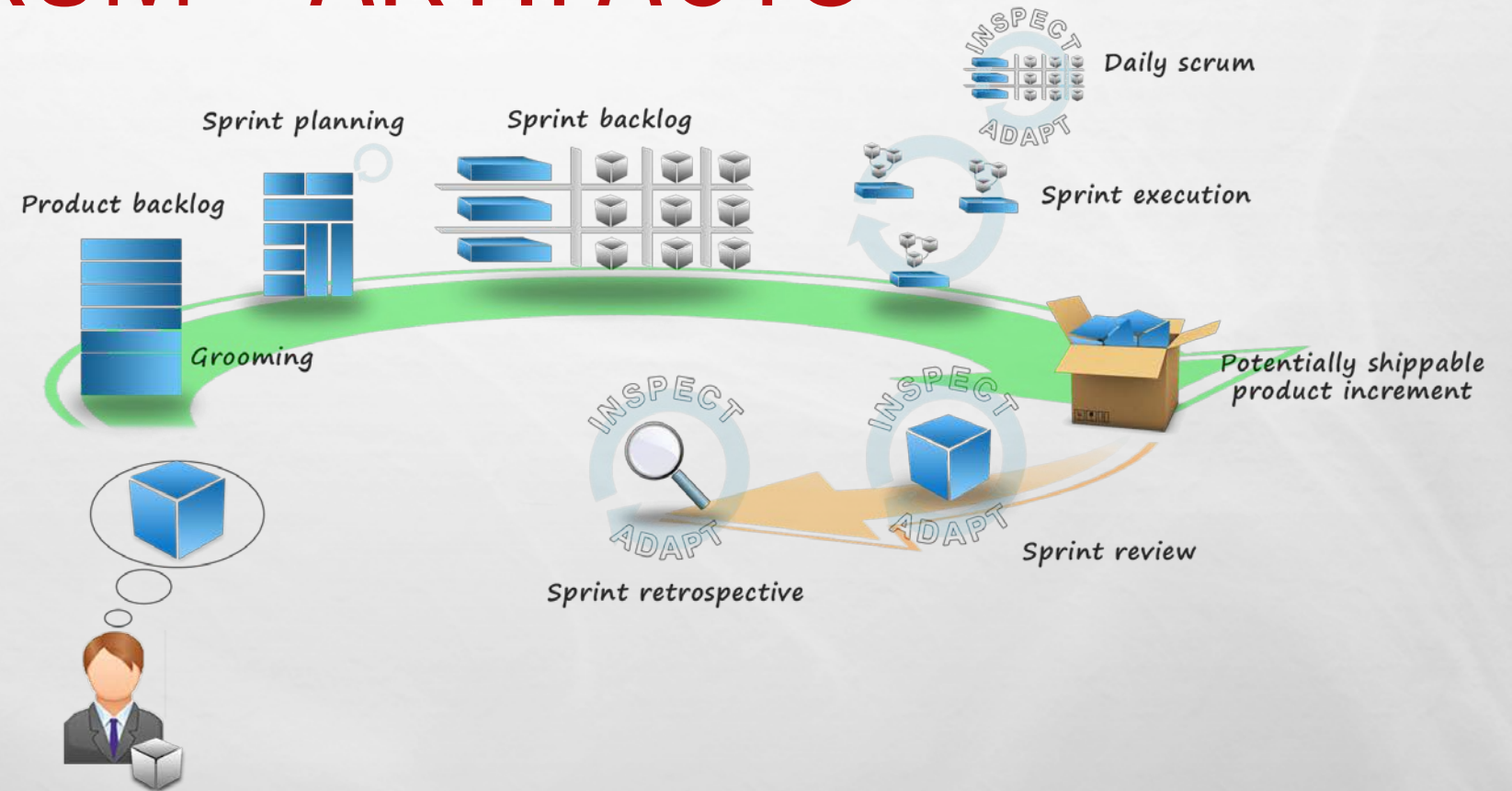- EMPOWER THE TEAM
- BUILD INTEGRITY IN
- SEE THE WHOLE

The 7 Wastes of Lean

Any delay between when one process step ends and the next step begins

Adding more value to a service or product than customers want or will pay for

Needless movement of people - While "transportation" refers to the movement of the work, "motion" involves movement of workers

Making more than is required by the customer, or making it earlier than required

More materials or information on hand than is currently required

Any aspect of the service that does not conform to customer needs

Movement of work between areas or offices that does not add to the value of the product or services

Waiting — W
Over Processing — O
Over Production — O
Defects — D
Transport — T
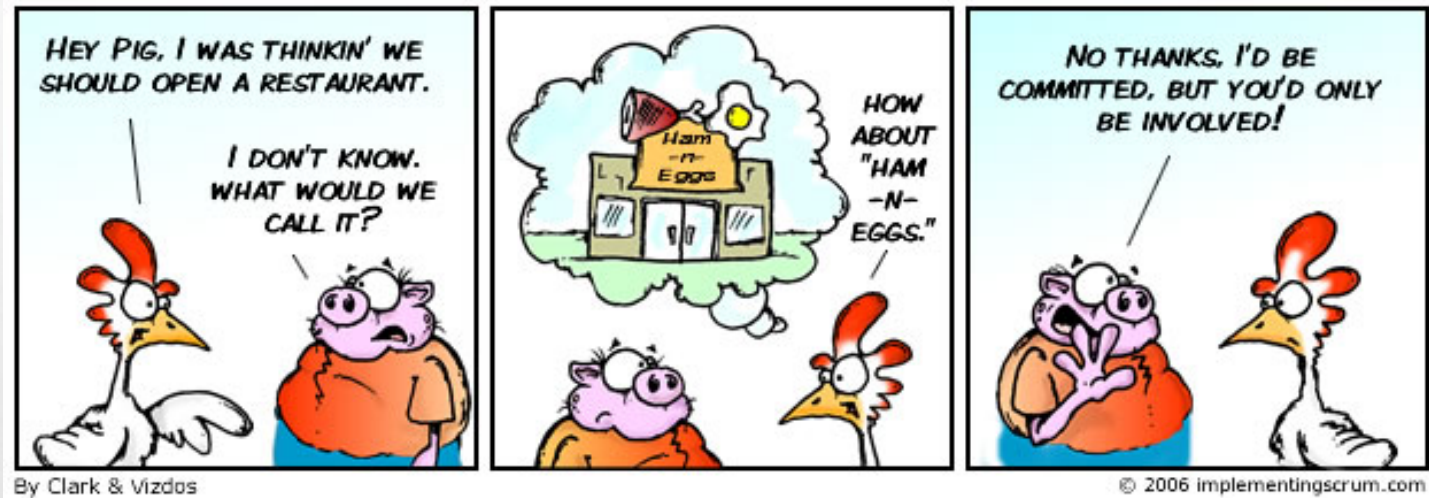Inventory — I
Motion — M

Tip: T I M W O O D

AGILE – SCRUM – ARTIFACTS

- PRODUCT BACKLOG
- SPRINT BACKLOG
- BURNDOWN CHART
- PRODUCT INCREMENT
- ETC…

AGILE – SCRUM – ROLES

- AGILE TEAM (PIGS)
  - PRODUCT OWNER (BA, FA)
  - ACTION TEAM
    - DEVELOPERS
    - QA ENGINEERS
    - SCRUM MASTER
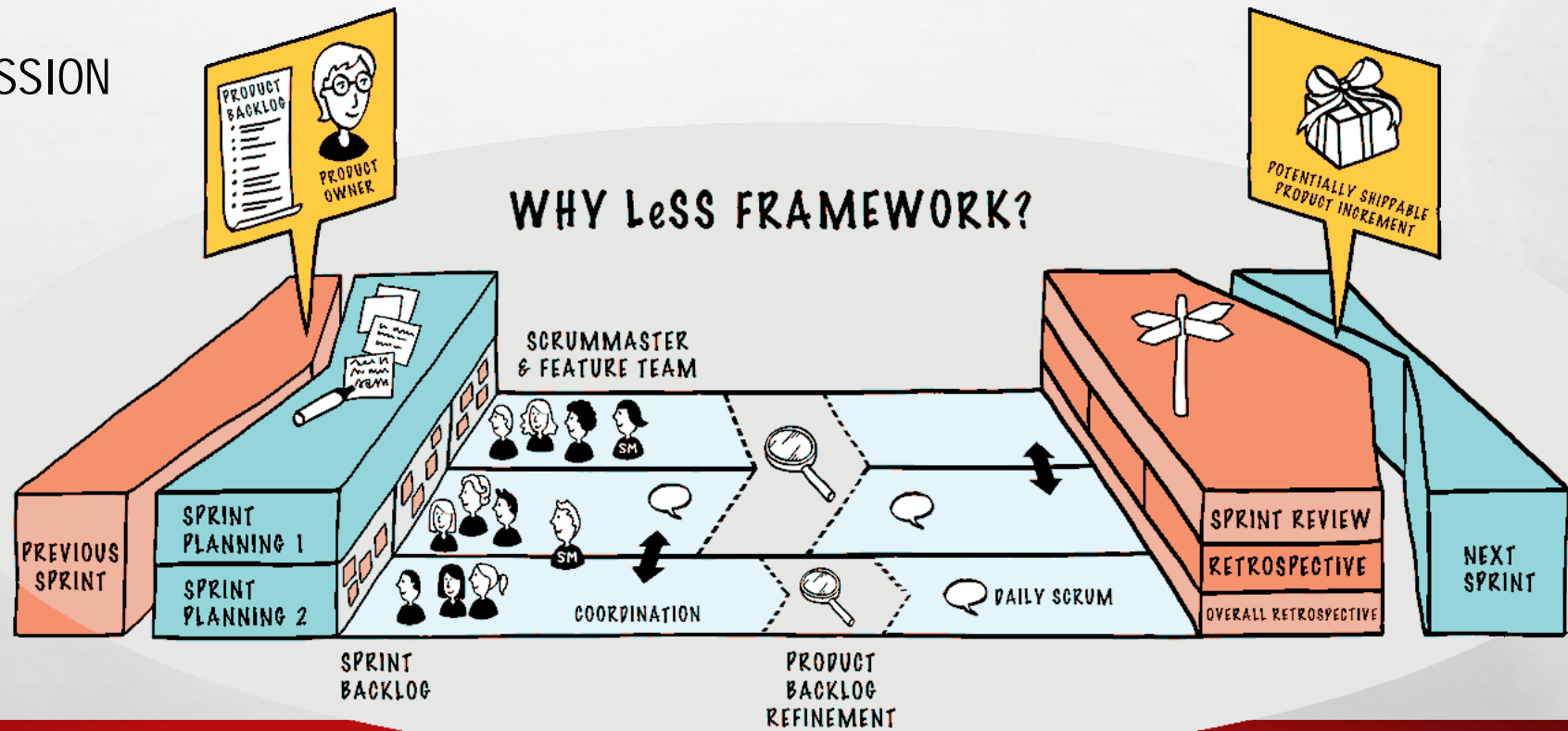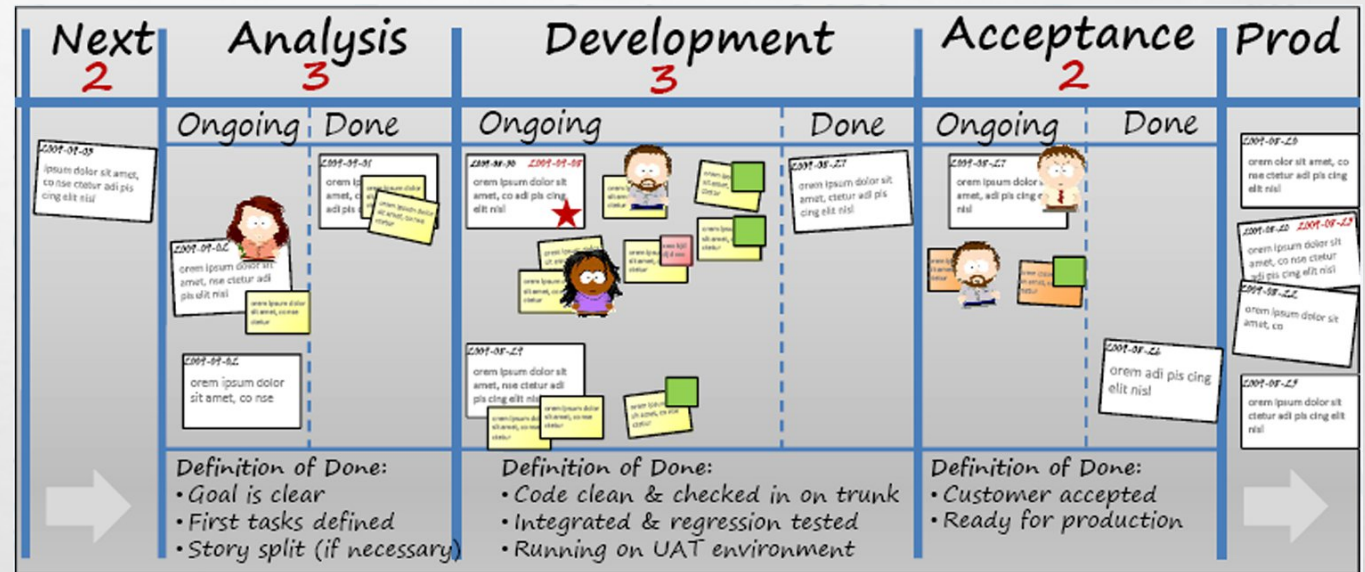
- BUSINESS PEOPLE AND OTHERS (CHICKENS)

AGILE – SCRUM – EVENTS

- SPRINT PLANNING SESSION

- DAILY STANDUP

- BACKLOG GROOMING

- SHOW & TELL

- RETROSPECTIVE

AGILE - KANBAN

- START WITH EXISTING PROCESS

- AGREE TO PURSUE INCREMENTAL, EVOLUTIONARY CHANGE

- RESPECT THE CURRENT PROCESS, ROLES, RESPONSIBILITIES AND TITLES

- LEADERSHIP ON ALL LEVELS

AGILE - XP

- PAIR PROGRAMMING
- TDD
- CI
- REFACTORING
- STANDARDS
- COLLECTIVE OWNERSHIP
- SIMPLICITY
- SUSTAINABILITY

THAT'S ALL FOLKS!