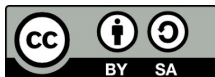


DevOps: What, Why, When, Where, How, Who

Seminario Internacional de Investigación en Ingeniería del Software SEIIIS 2019

Grupo: GIA (Inteligencia Artificial) y GIDIS (Ingeniería del Software) Semillero SILUX
Líder/Coach: Milton Jesús Vera Contreras miltonjesusvc@ufps.edu.co miljeveco@gmail.com
Fecha: 2019/10/15
Licencia:

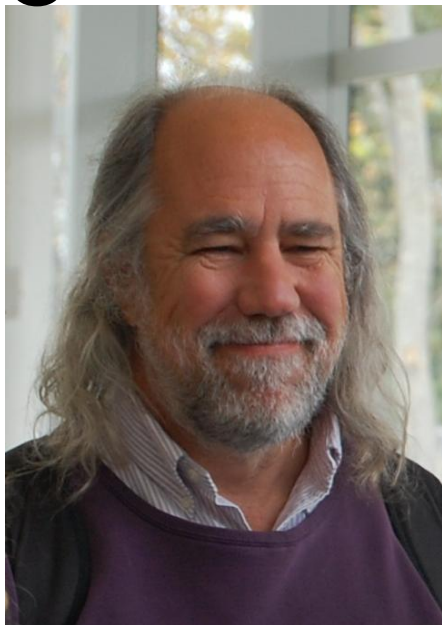


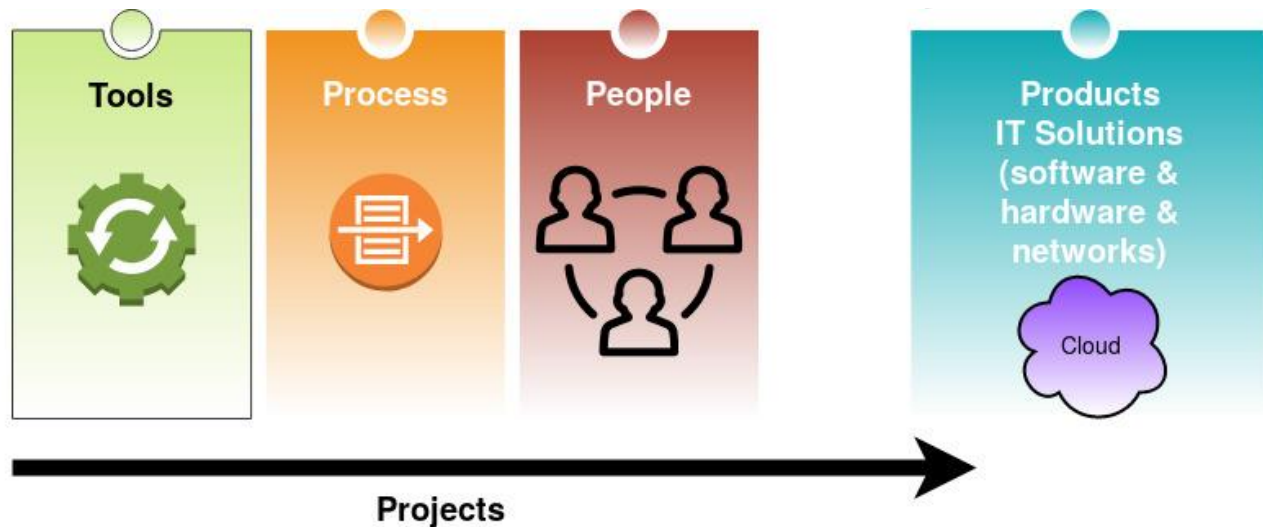
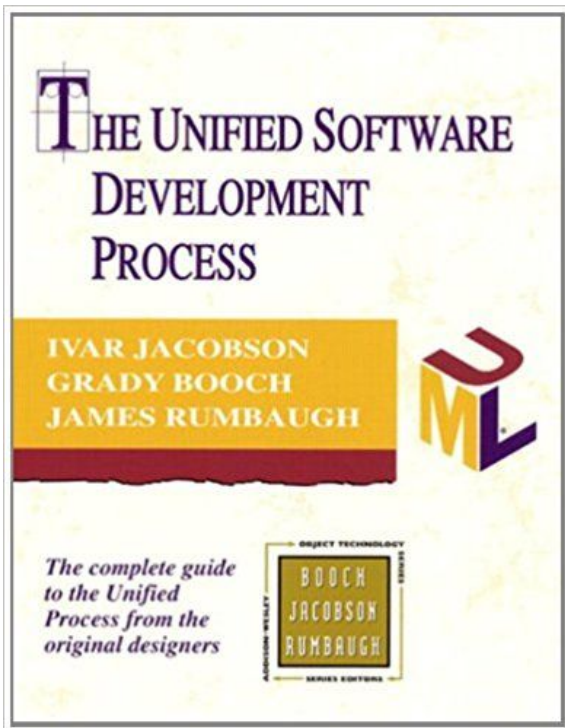
I keep six honest serving-men
(They taught me all I knew);
their names are **What** and **Why** and **When**
and **How** and **Where** and **Who**.

Rudyard Kipling (1865-1936).



¿Sabe usted quiénes son ellos?





Año 1999

¿Sabe usted quién es él?





Patrick Debois

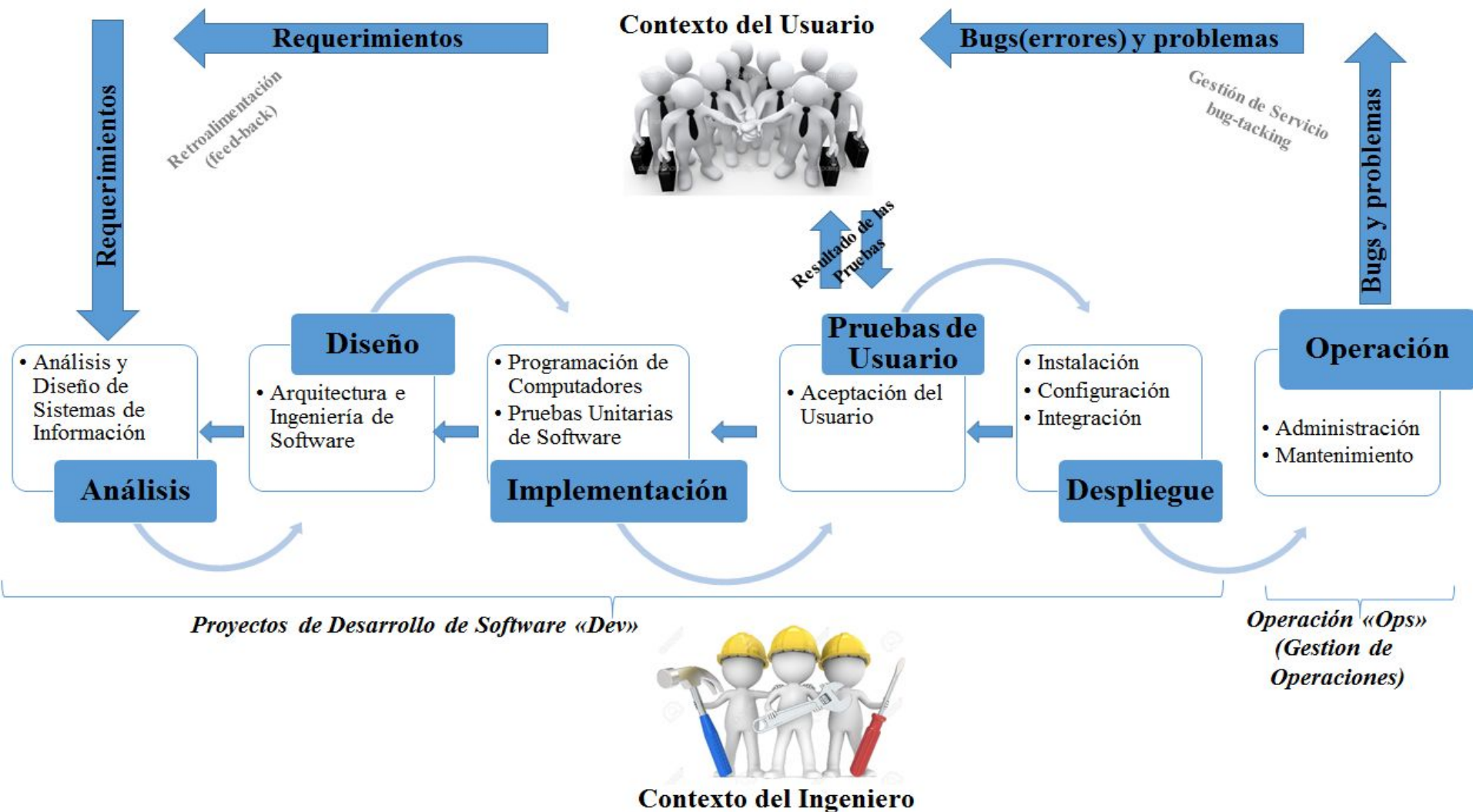
En 2008 acuñó el término
DevOps como
Development & Operations



A meme image featuring a young girl with brown hair in the foreground, looking slightly to the side with a neutral expression. In the background, a house is on fire, with bright orange flames and smoke rising from the roof. Several people, including a firefighter in a yellow jacket and helmet, are visible near the burning house. A yellow fire hose lies on the ground in the foreground. The text "WORKED FINE IN DEV" is overlaid in white, bold, sans-serif font at the top, and "OPS PROBLEM NOW" is overlaid at the bottom.

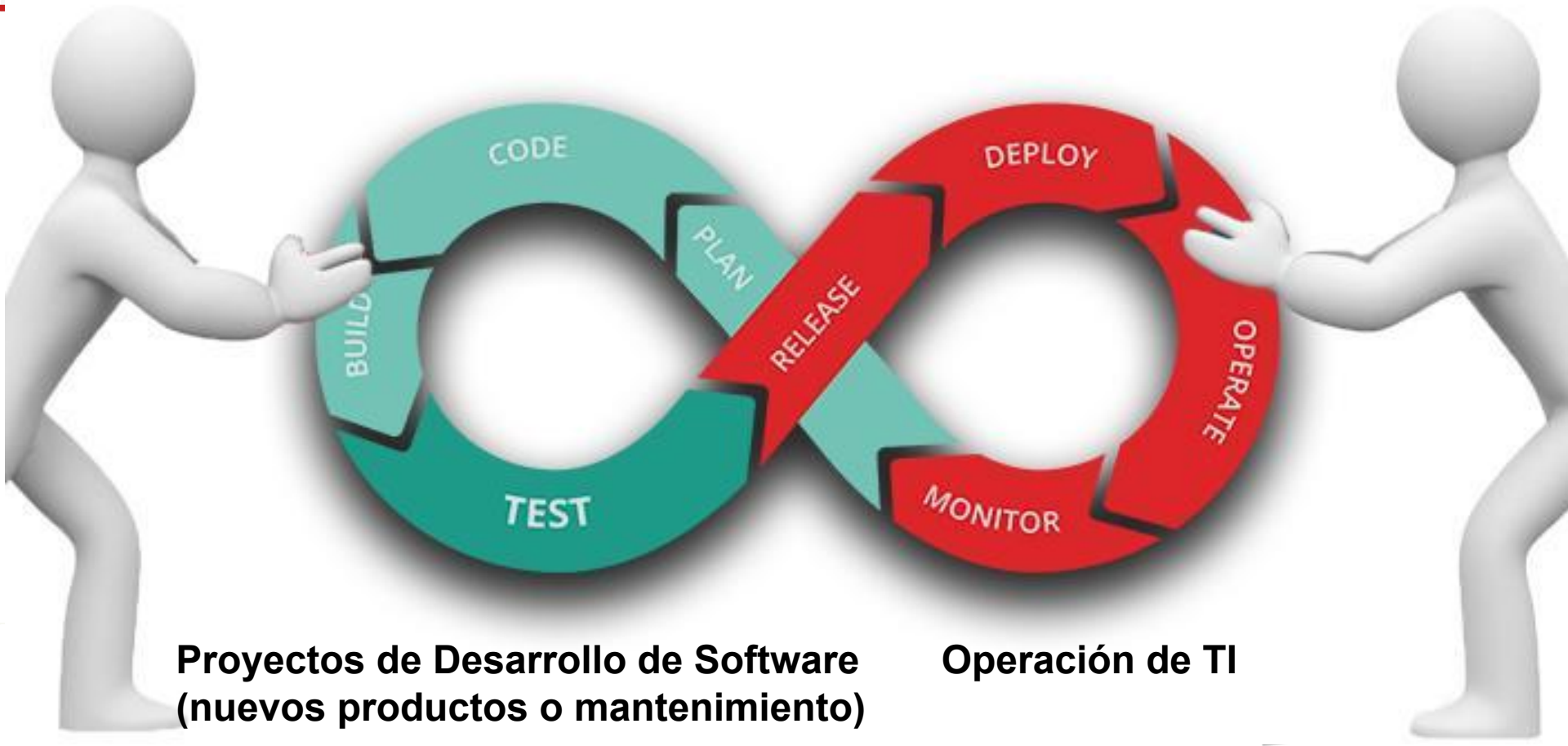
**WORKED FINE
IN DEV**

OPS PROBLEM NOW



DEVELOPMENT

OPERATIONS



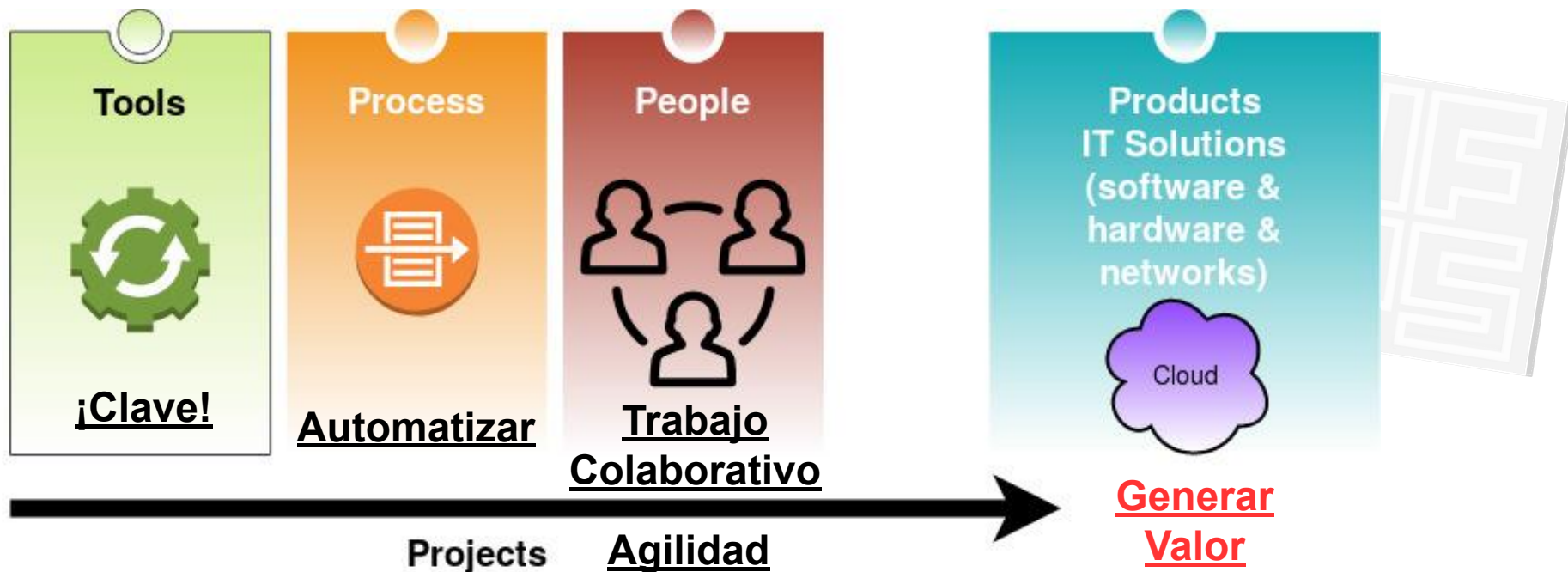
**Proyectos de Desarrollo de Software
(nuevos productos o mantenimiento)**

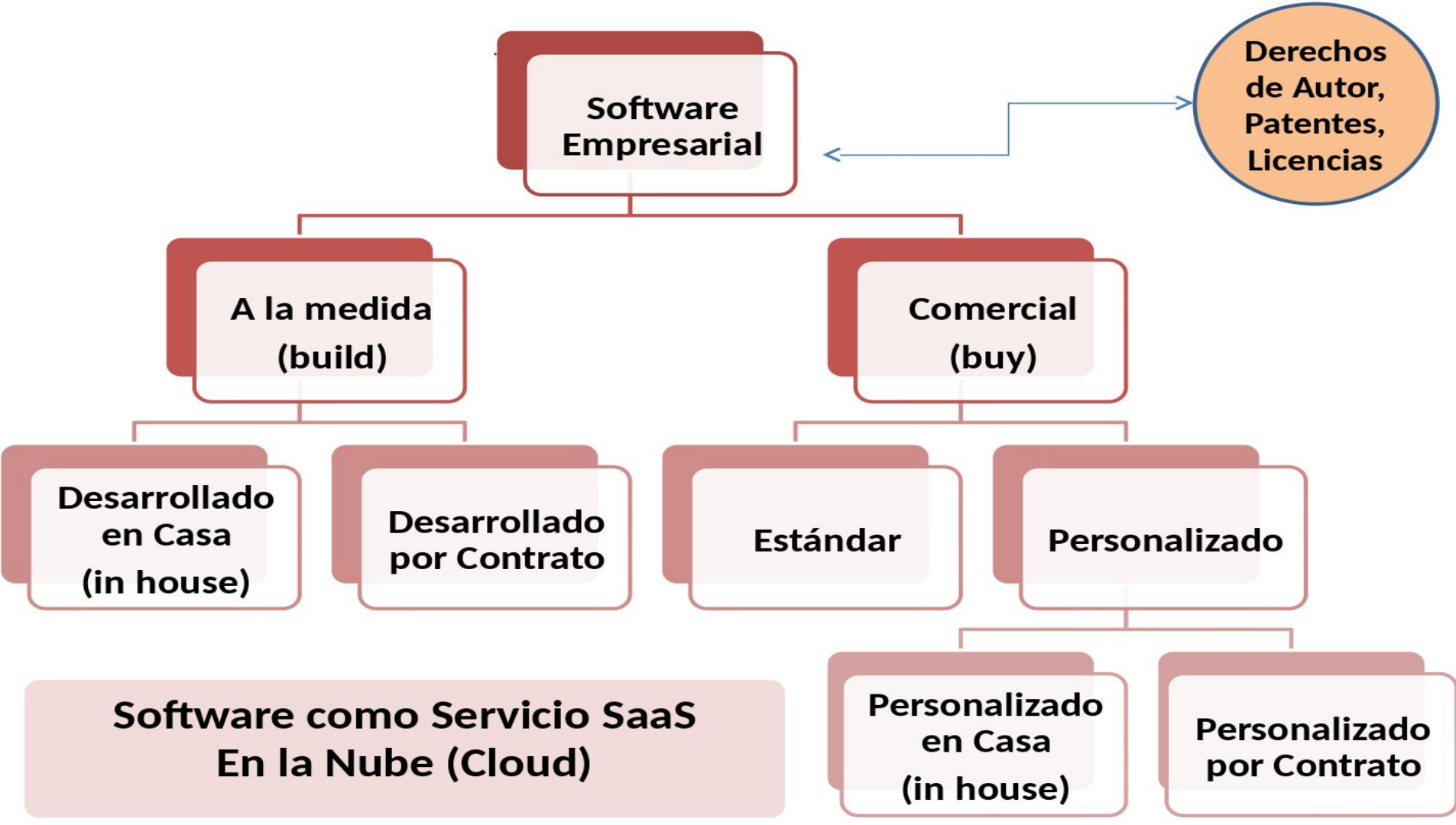
Operación de TI

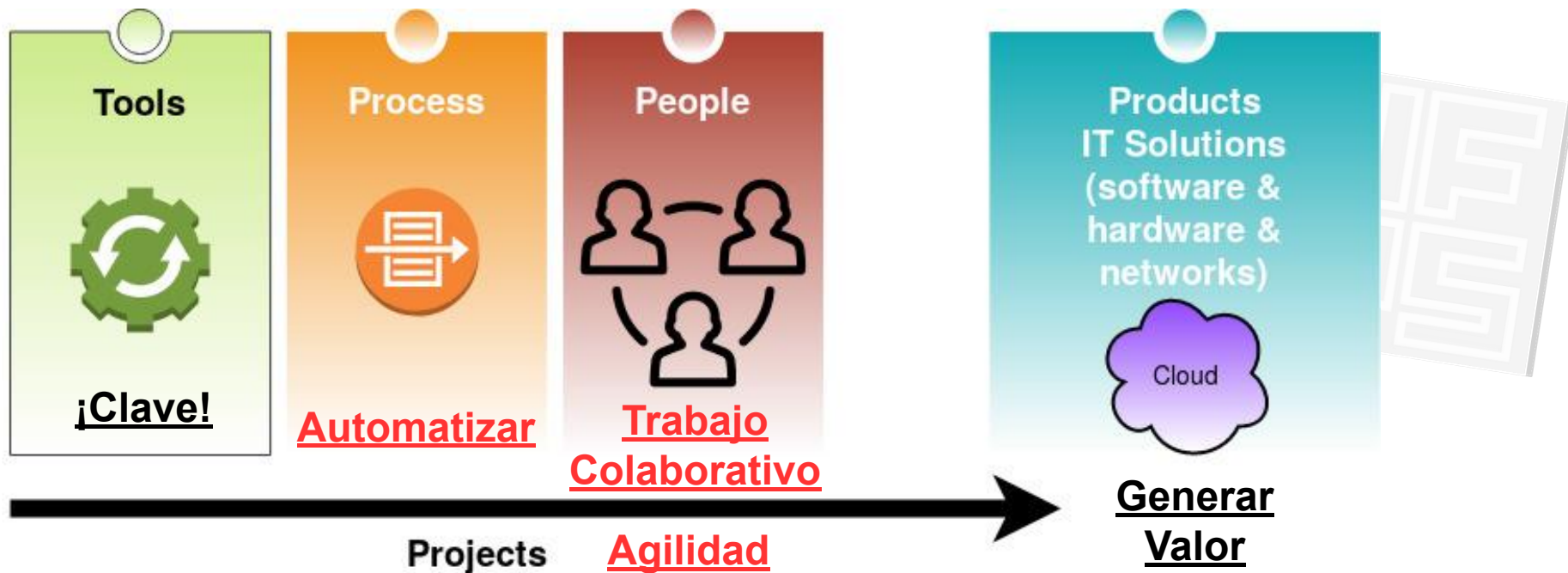
DevOps puede pensarse como un **nuevo enfoque** o **paradigma** del **SDLC** (Software Development Life Cycle) que busca **agilizar** la **entrega de valor** de las TIC en las organizaciones e implica un **cambio cultural**:

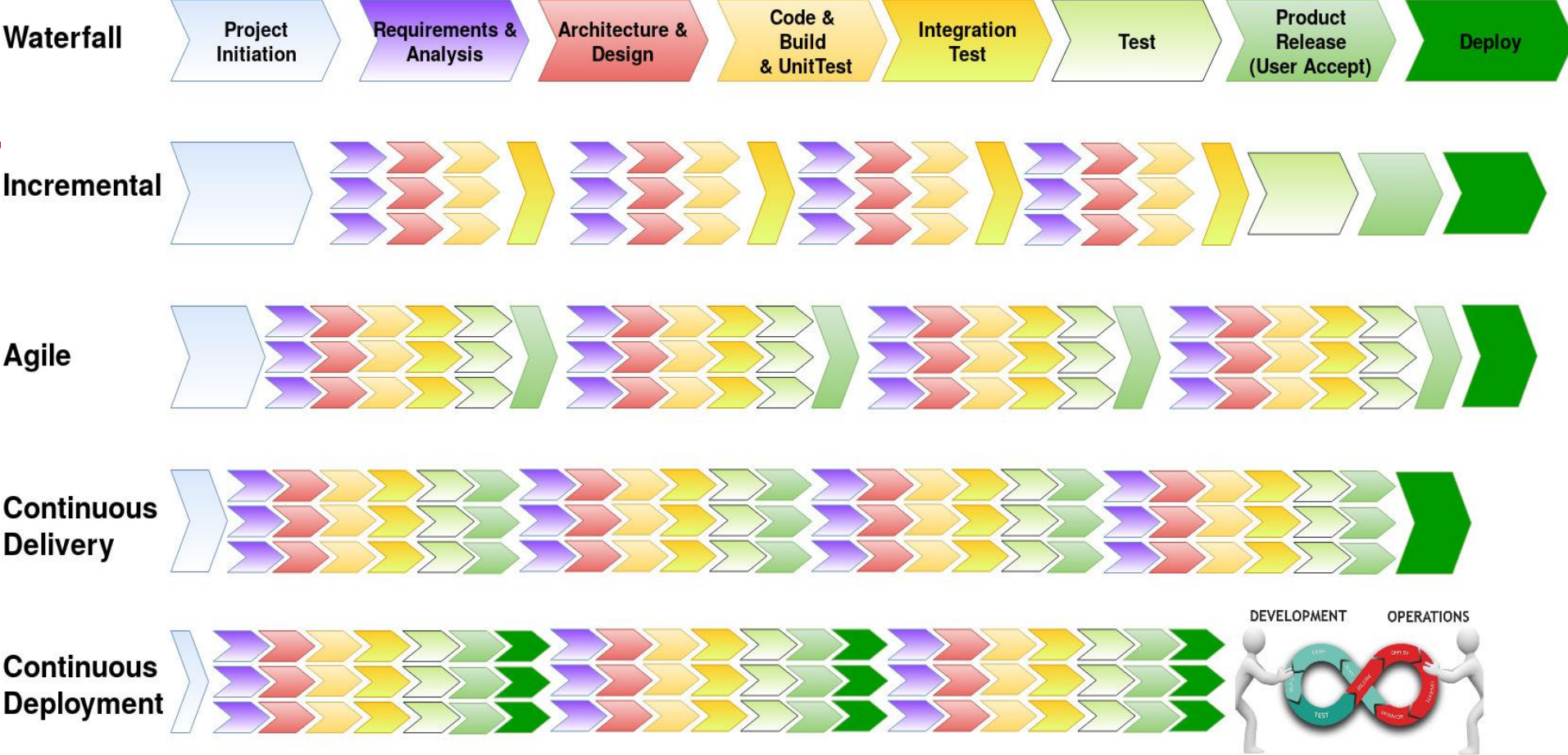
- ✓ Trabajo colaborativo de las **personas**.
- ✓ Automatización de los **procesos** y **proyectos**.
- ✓ Uso de **herramientas** para automatizar.





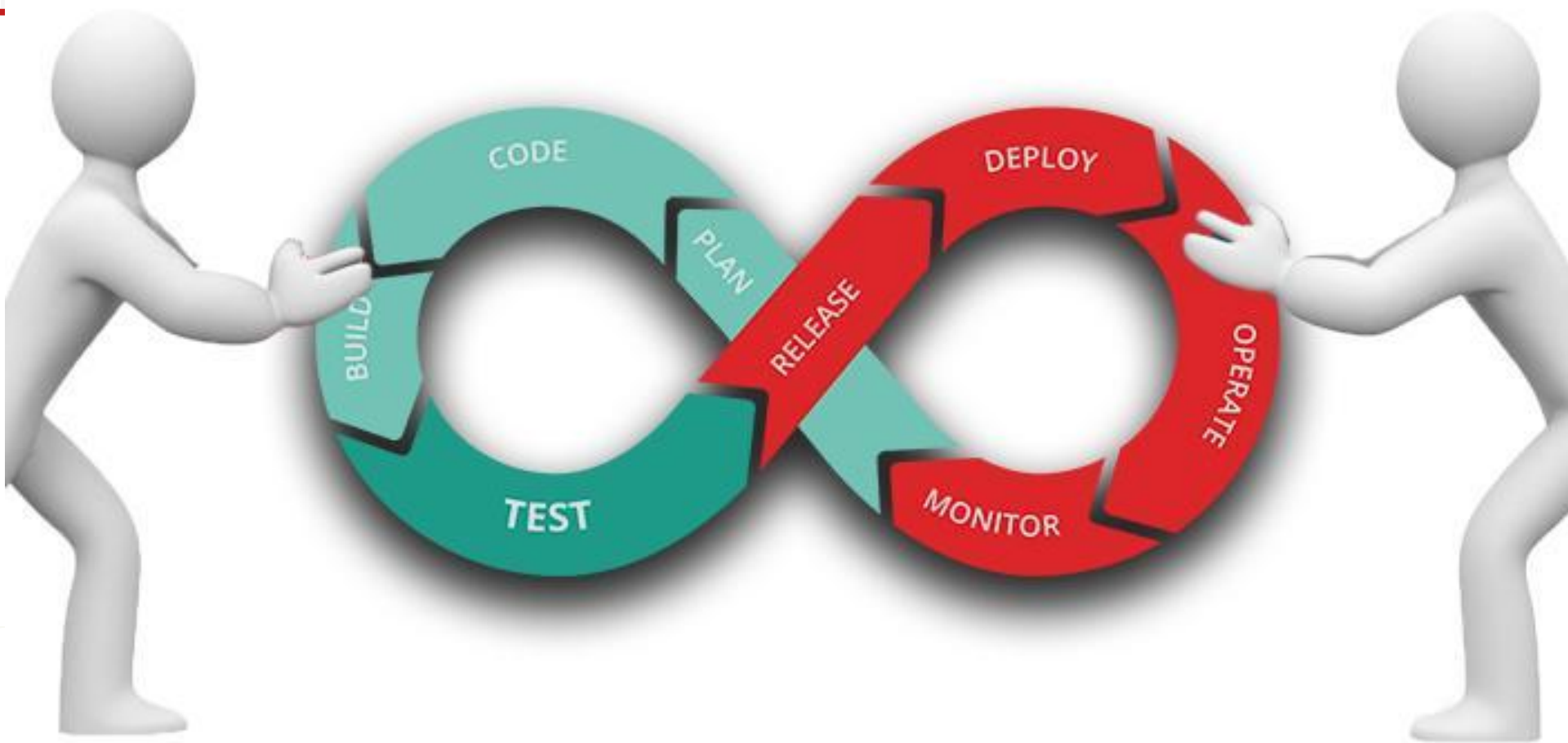


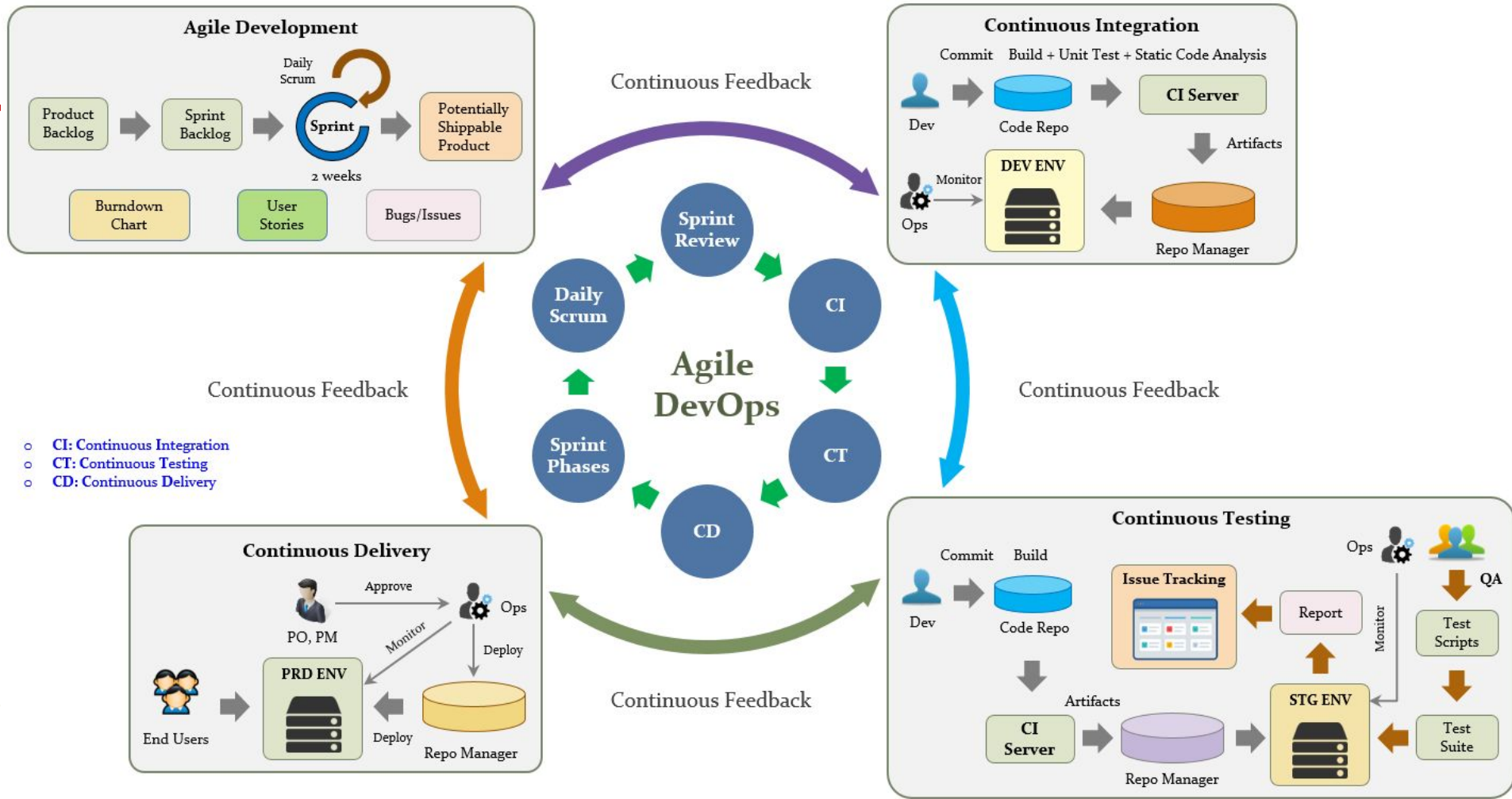


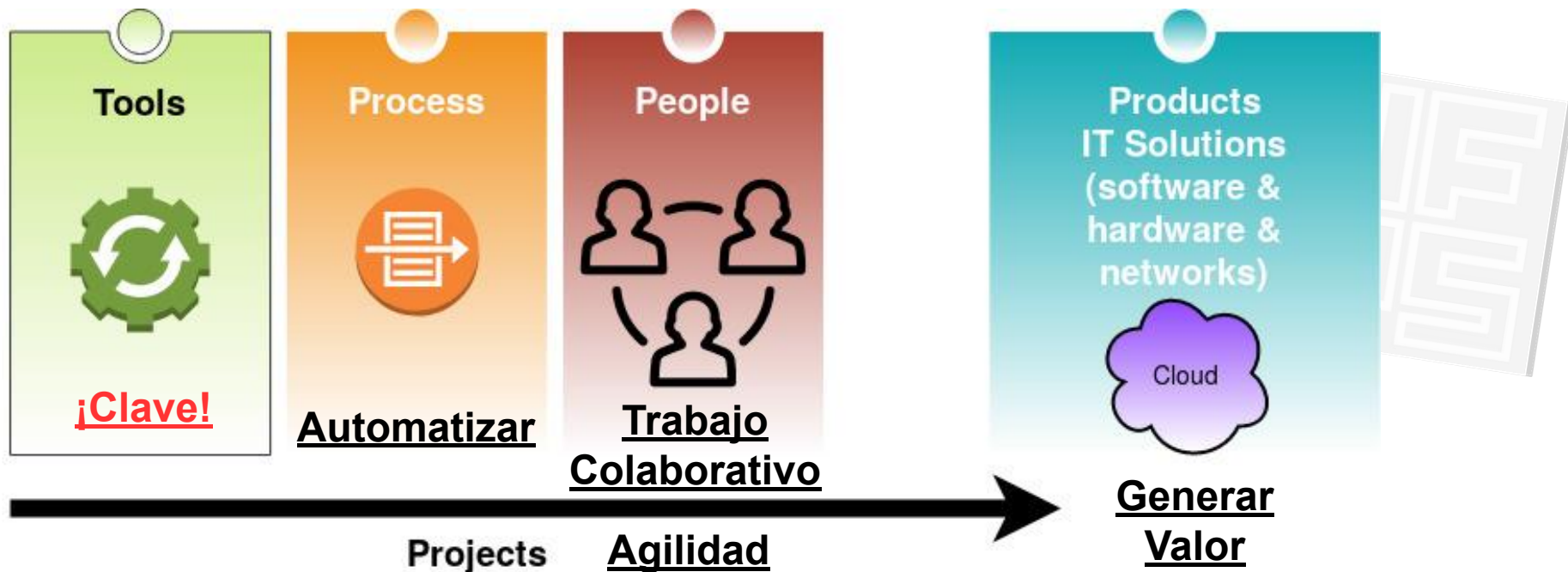


DEVELOPMENT

OPERATIONS







Collaborate

Build

Test

Deploy

Run

Application Lifecycle Mgmt.



Communication & ChatOps



Knowledge Sharing



SCM/VCS



CI



Build



Database Management



Testing



Artefact Management



Deployment



Config Mgmt./Provisioning



Artefact Management



Cloud / IaaS / PaaS

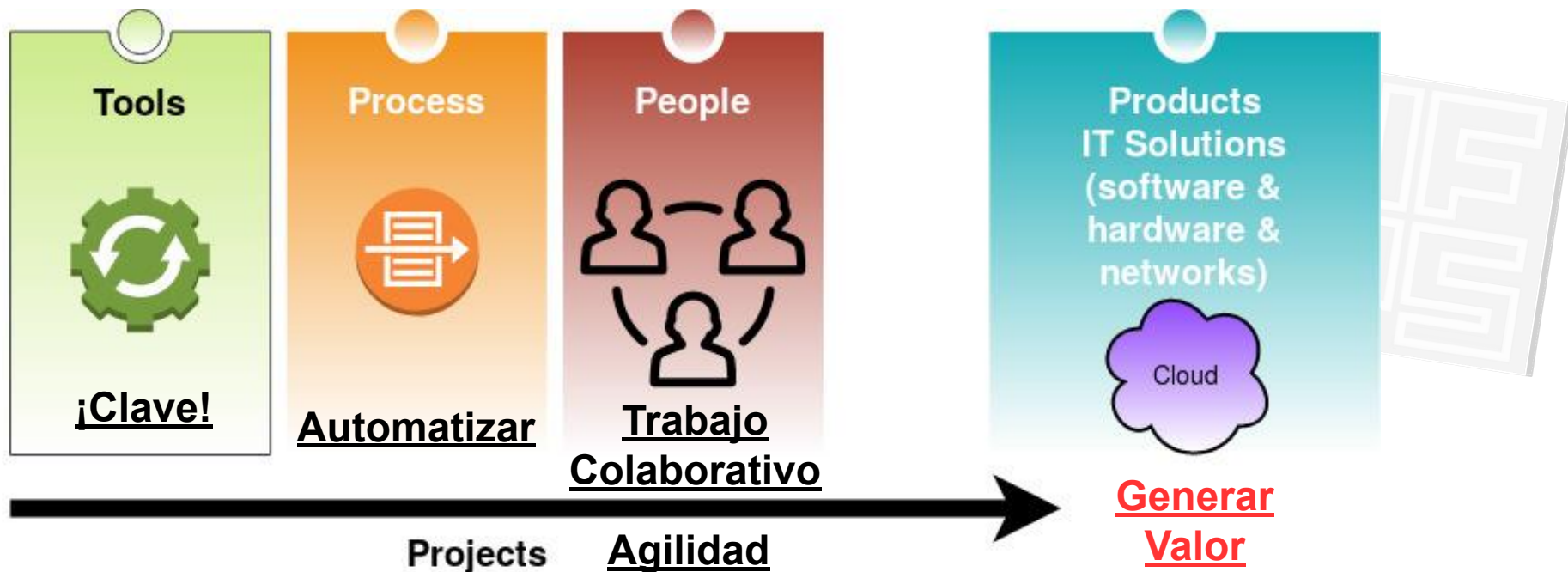


Orchestration & Scheduling



BI / Monitoring / Logging







TRADITIONALISTS

Born 1900-1945

Great Depression
World War II
Disciplined
Workplace Loyalty
Move to the 'Burbs'
Vaccines



BOOMERS

Born 1946-1964

Vietnam, Moon Landing
Civil/Women's Rights
Experimental
Innovators
Hard Working
Personal Computer



GEN X

Born 1965-1976

Fall of Berlin Wall
Gulf War
Independent
Free Agents
Internet, MTV, AIDS
Mobile Phone



MILLENNIAL

Born 1977-1997

9/11 Attacks
Community Service
Immediacy
Confident, Diversity
Social Everything
Google, Facebook



GEN 2020

After 1997

Age 15 and Younger
Optimistic
High Expectations
Apps
Social Games
Tablet Devices

Waterfall

Incremental

Agile

**Continuous
Delivery (DeOps)**

