

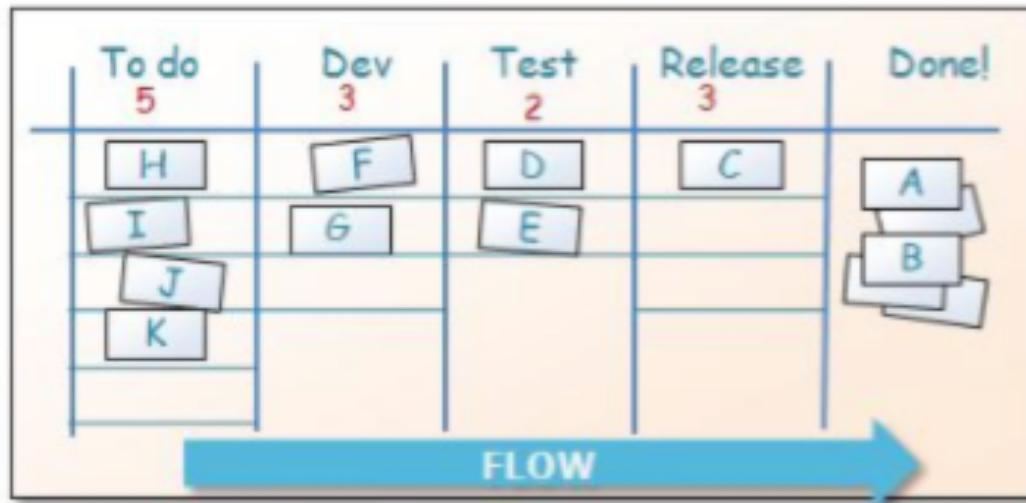
Kanban

- ▶ Del Japonés Kan (visual) - Ban (tarjeta)
- ▶ Proceso para creación de productos con énfasis en entrega continua
- ▶ Un gran board gráfico, tarjetas y modelo evolucionario similares a Scrum
- ▶ Para muchos más que un proceso de desarrollo es un conjunto de buenas prácticas

Los 3 Principios

- ▶ Visualiza lo que haras hoy (ver items en contexto)
- ▶ Limitar el trabajo en progreso (WIP)
- ▶ Optimizar el flujo de tareas desde *to do* a *done*

Visualización: el tablero kanban



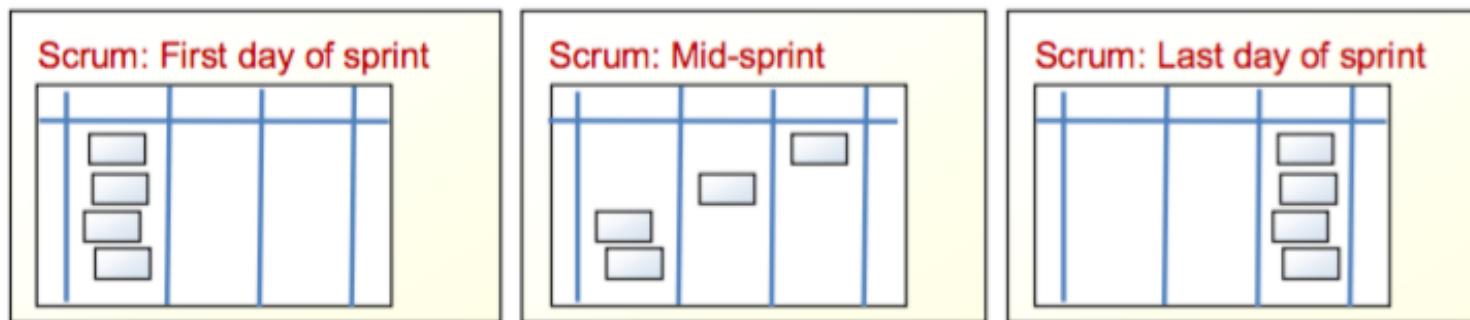
Scrum y Kanban comparten mucho en lo filosófico

- ▶ naturaleza ágil
- ▶ enfoque "pull"
- ▶ limitar trabajo en progreso
- ▶ foco en entregas frecuentes y contínuas
- ▶ empoderar al equipo
- ▶ mejoramiento continuo

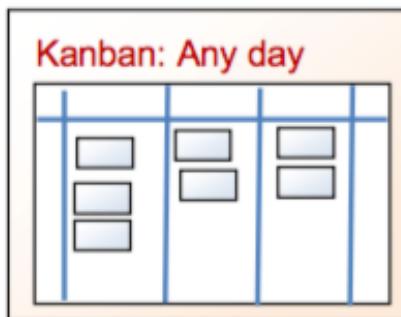
Kanban comparado con Scrum

- ▶ Scrum en resumen
 - ▶ equipos multifuncionales pequeños autogestionados
 - ▶ Dividir el trabajo en pequeñas unidades concretas, priorizar y estimar el trabajo
 - ▶ Dividir el tiempo en iteraciones fijas (1 a 4 semanas) con entregas de incrementos potencialmente usables
 - ▶ Optimizar el plan de release al fin de la iteración (sprint review)
 - ▶ Optimizar el proceso al fin de la iteración (retrospective)
- ▶ Kanban en resumen
 - ▶ Visualizar el flujo de trabajo
 - ▶ dividir el trabajo en trozos pequeños y escribirlos en sticky notes
 - ▶ usar columnas para saber en qué parte del workflow está cada tarea
 - ▶ Limitar WIP (work in progress) poniendo máximos en cada columna
 - ▶ Medir el tiempo que está tomando completar cada ítem
 - ▶ Optimizar para menos tiempo y máxima predictibilidad

Uso diferente del tablero

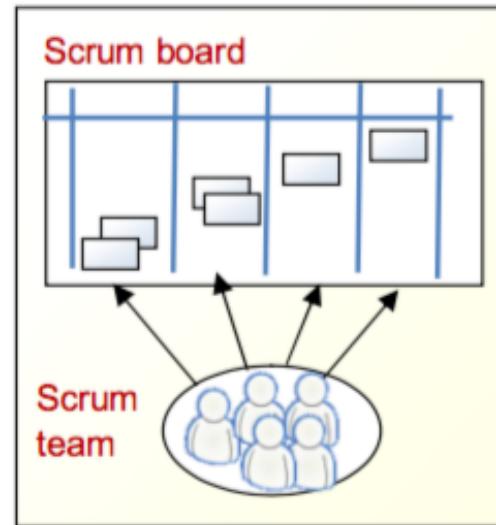


- ▶ En Scrum se resetea el board
- ▶ En Kanban el board es permanente (no hay iteraciones ni timeboxing)

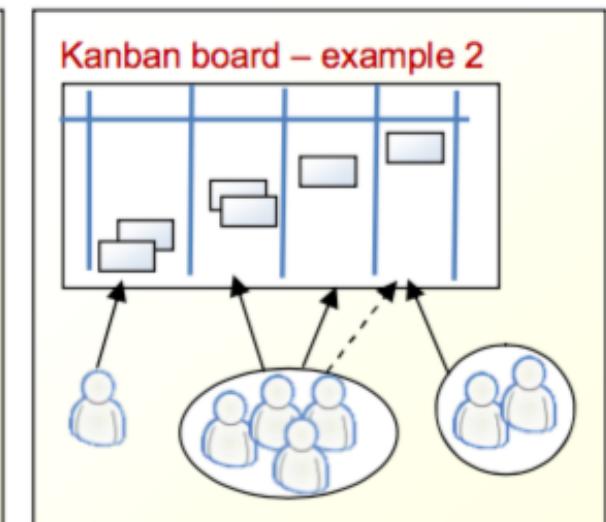
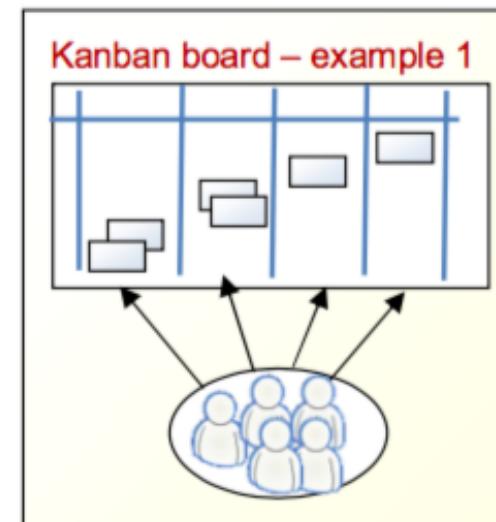


Equipos de Trabajo

- ▶ Scrum - polifuncional

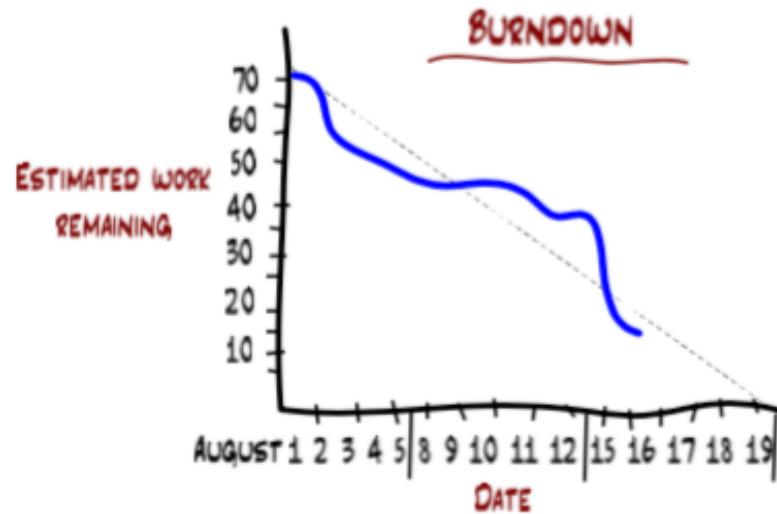


- Kanban - opcional

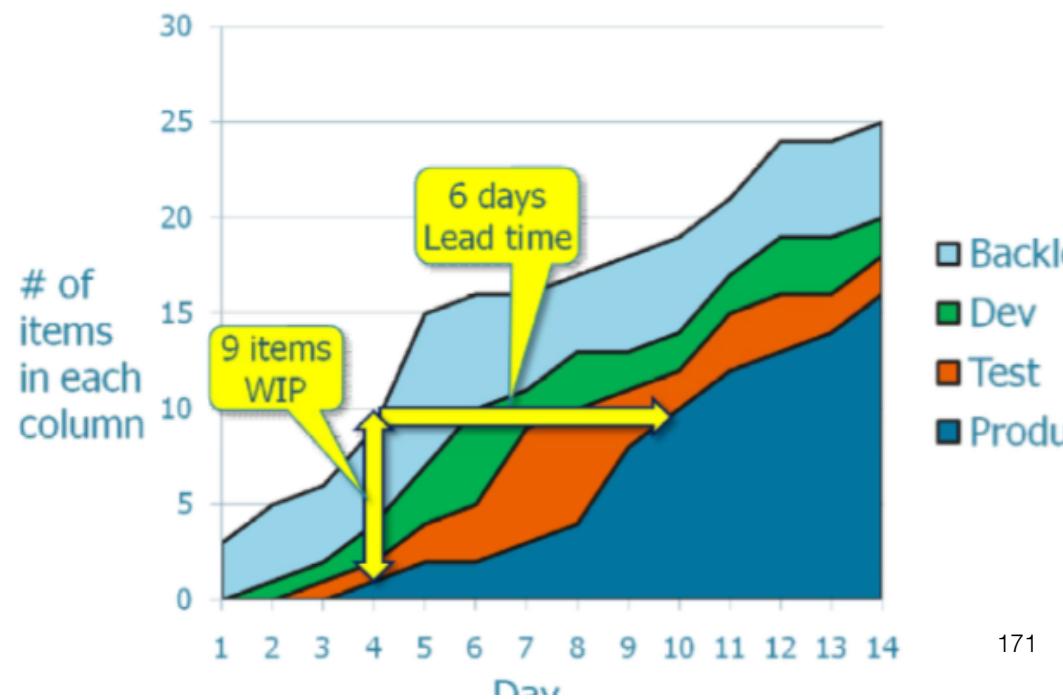


Visualización del Avance

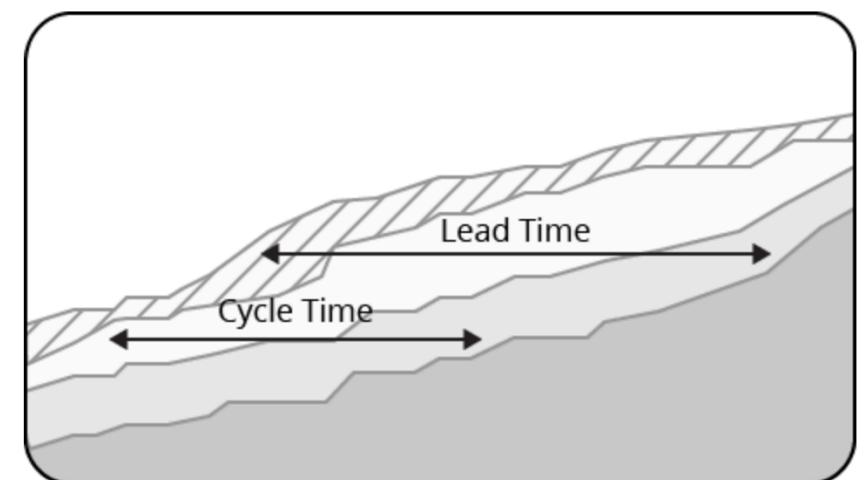
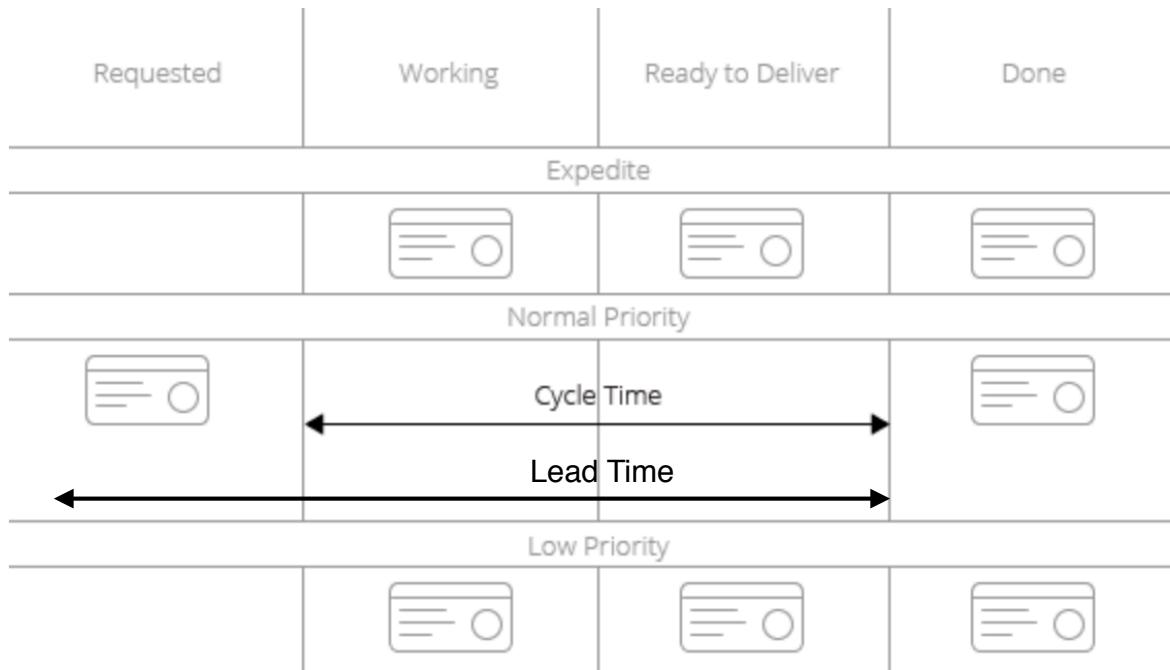
Scrum burnout chart



Kanban Cumulative flow



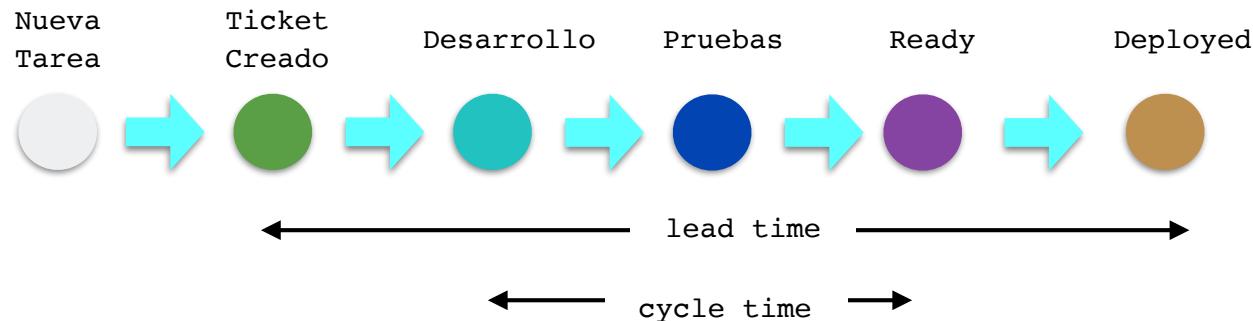
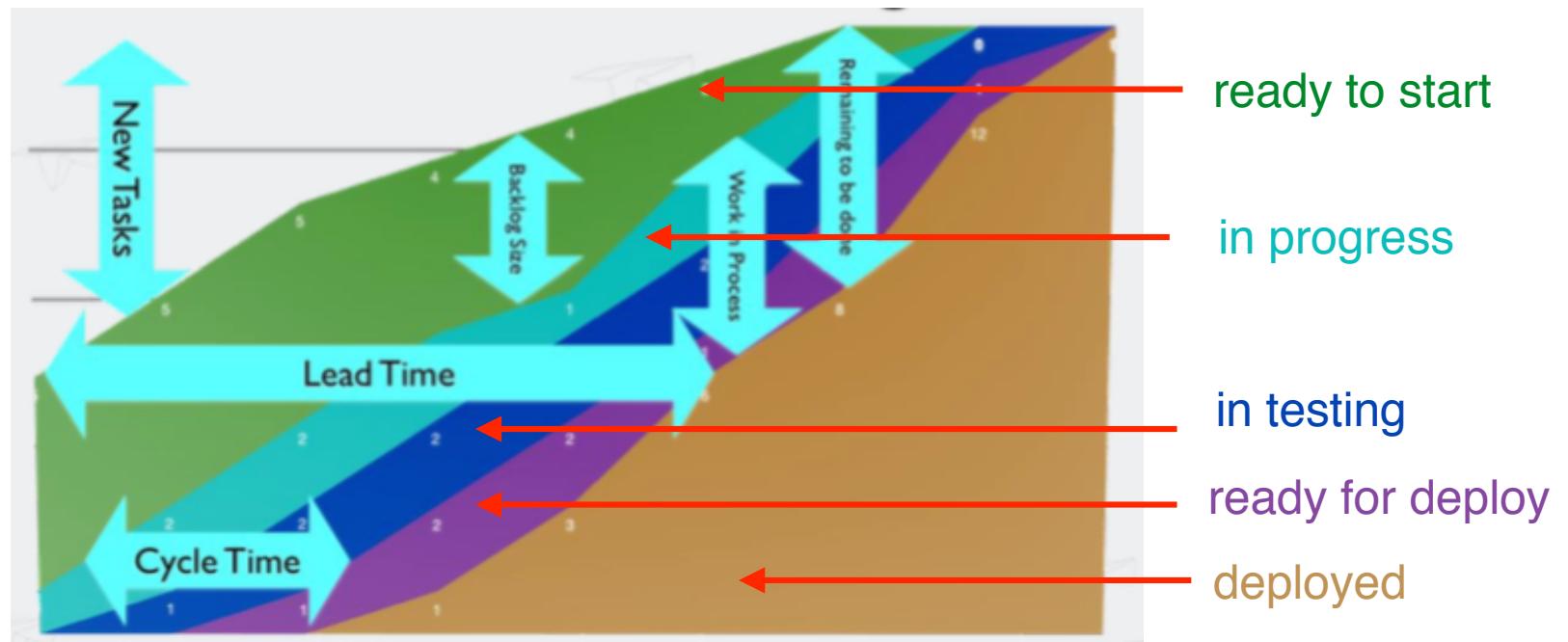
Lead Time y Cycle Time



Requested Working Rdy. to Deliver Done

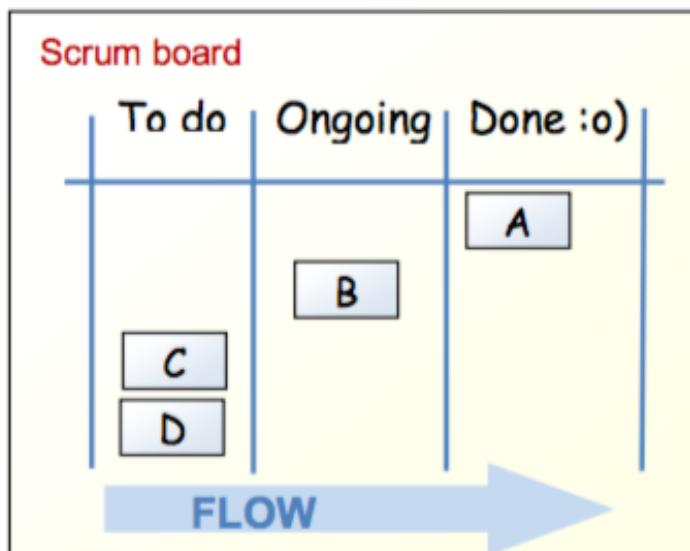
Cumulative flow diagram

El Diagrama de flujo acumulativo

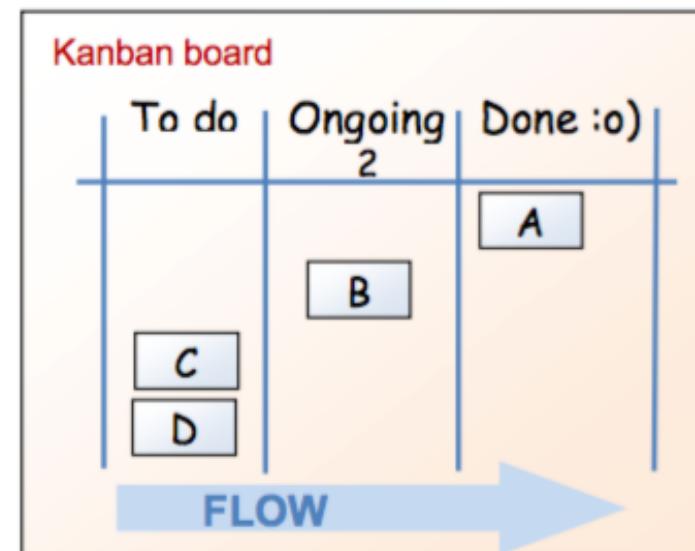


Limitando el WIP

- ▶ Scrum limita el número de tareas en una iteración
- ▶ Kanban limita el número de tareas en un estado

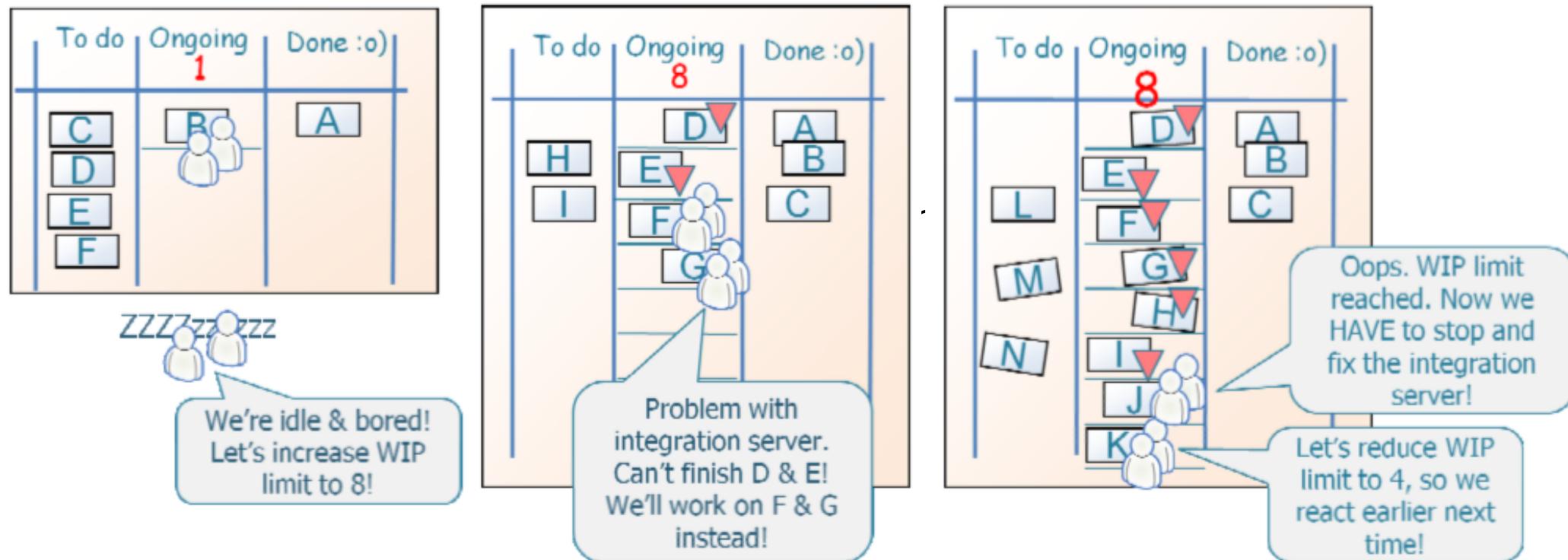


podrían haber hasta 4
en una columna



máximo 2 en la
segunda columna

Ajustando los límites



El tablero

- ▶ Tablero físico
 - ▶ barato, no intimida, invita a colaborar
 - ▶ puede desorganizarse rápidamente
- ▶ Software tools
 - ▶ trello, kanban tool, jira, target process, kanbanery, leankit, smartboard
 - ▶ el éxito no depende de la herramienta

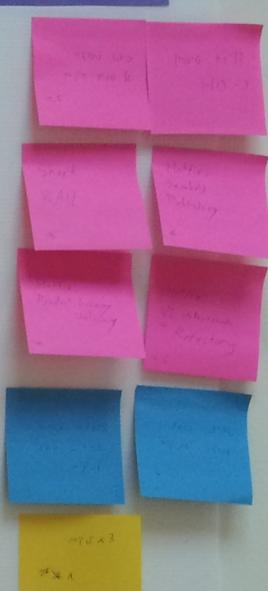
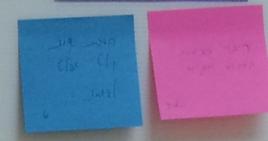
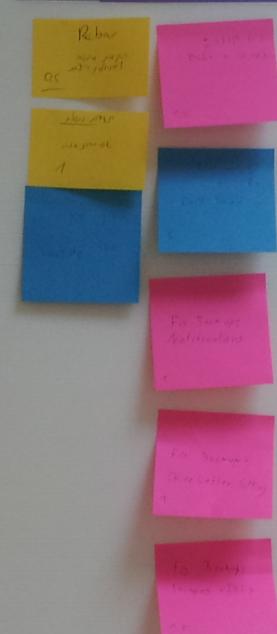
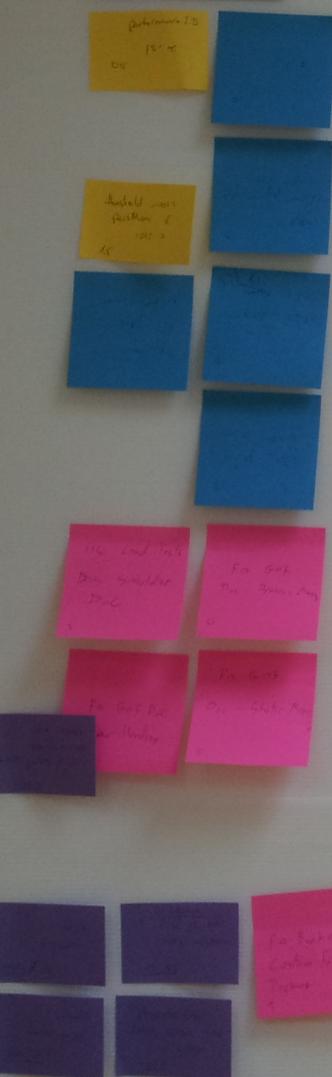
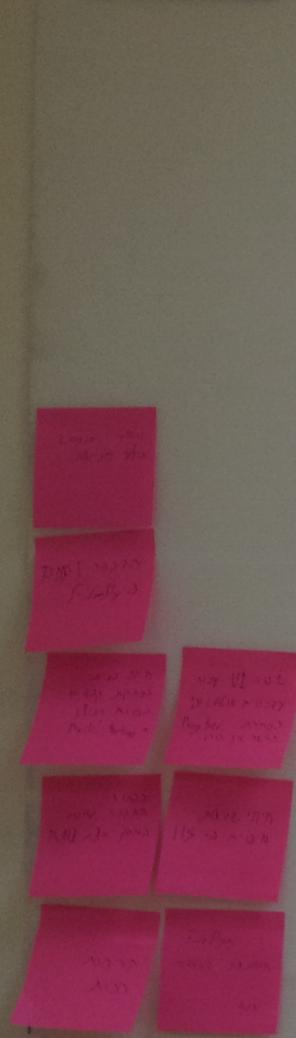
BACKLOG

TO DO

IN PROGRESS

TO VERIFY

DONE





Backlog		W.I.P			Done	
Priority	Story	5	To Do	In Progress	Out	Sprint:
Unprepared	For Kick Off					
1	1					
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TRELLO

HOME TOUR BLOG

Trello

Sign Up Log In

Visually collaborate with anyone, anywhere. [Sign up for free](#) or learn more about Trello

Demo Kanban Board Private Team Public Show Menu

Backlog (WIP limit could be used)

As a site visitor, I can see a list of all upcoming "Certification Courses." I can page through them if there are a lot.

As a site visitor, I can see a list of all upcoming "Events." (Events are things such as the Scrum Gathering, conferences, free seminars, etc.)

As a trainer, I can create a new course or event. This includes the following information: name, description (HTML), trainer names (multiple selection from a list), start date, end date, venue name (HTML) and address, contact name, contact phone, contact email, a link for more information, and a link to register. For a certification course the name of the class is a dropdown list; for others, it is free text.

As a trainer, when I create an Other Course or Event, I am charged a listing fee for that activity. (Note: We'll need this to tie into credit card processing.)

In Definition (WIP limit could be used)

As a site editor, I can assign priority numbers to news items. Items are displayed on the front page based on priority.

Ready to Start (WIP LIMIT=3)

As a site member, I can send an email to any member via a form.

UI Design (WIP LIMIT = 2)

As a site member, I can read practicing and training applications and approve or reject them

Programming/Implementing (WIP LIMIT = 2)

As a site member, I can search for profiles based on a few fields (class attended, location, name).

Review (WIP LIMIT = 2)

As a site member, I can view profiles of other members.

<https://trello.com/b/XFZqL84W/demo-kanban-board>

The image shows a Trello board titled "To Do". The board has three columns: "To Do", "Doing", and "Done".

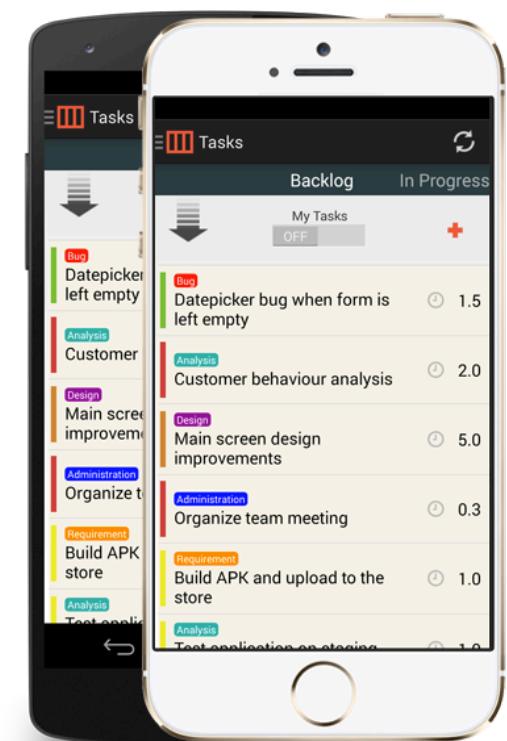
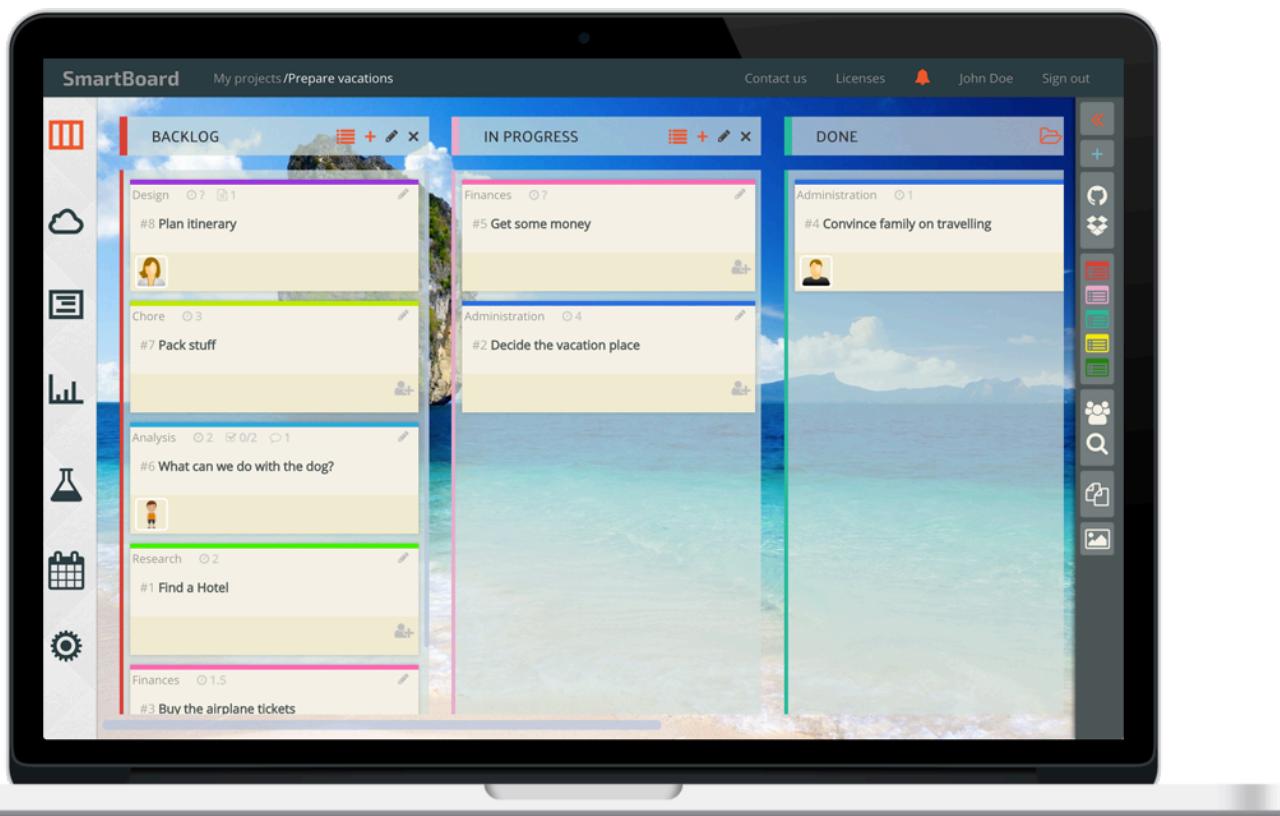
- To Do:**
 - Send reminder with directions
 - Buy flowers
 - Clean floors
 - Hang lights and decorations
 - Prepare salads ahead of time
 - Bake dessert
- Doing:**
 - Holiday party shopping
4/13
 - Prep food
 - Clean wine glasses
- Done:**
 - Buy dress
 - Make music playlist
 - Buy wine
 - Make ice

At the bottom left of the board area, there is a green "Add" button and a white "X" button.



Increase your productivity **Today**

A *free, feature rich* project tracking application



<https://www.smartboard.cl>

KANBANERY

The screenshot shows a Kanban board interface with five columns:

- Client Task (2)**: Contains two items: "Touchpoints map" and "New add for product X". Both items have a status of "Client in Progress".
- To Do (3)**: Contains three items: "New claim", "New logo coherent with strategy", and "New branding strategy". All three items have a status of "Client To Do".
- Concept (6)**: Contains six items: "Design new blogpost template", "Prepare graphics visible in the last scene", "Design new header on the main page", "Resize a logo to promotion materials", "Design subpage template", and "Design new logo visible on the main door". The first item is "Client To Do", the second is "Client In Progress", and the others are "Client Needs Review".
- Production (1)**: Contains one item: "Customer Journey". Its status is "Client Done".
- Done (3)**: Contains three items: "User experience", "Persona Profile", and "Social Media Strategy". All three items have a status of "Client Done".

At the top right, there are links for Contact us, Support Center, HQ, Account, and Sign out. A search bar and an "Add column" button are also present.

<https://www.kanbanery.com>

KANBAN TOOL

Kanban Tool

board.kanbantool.com

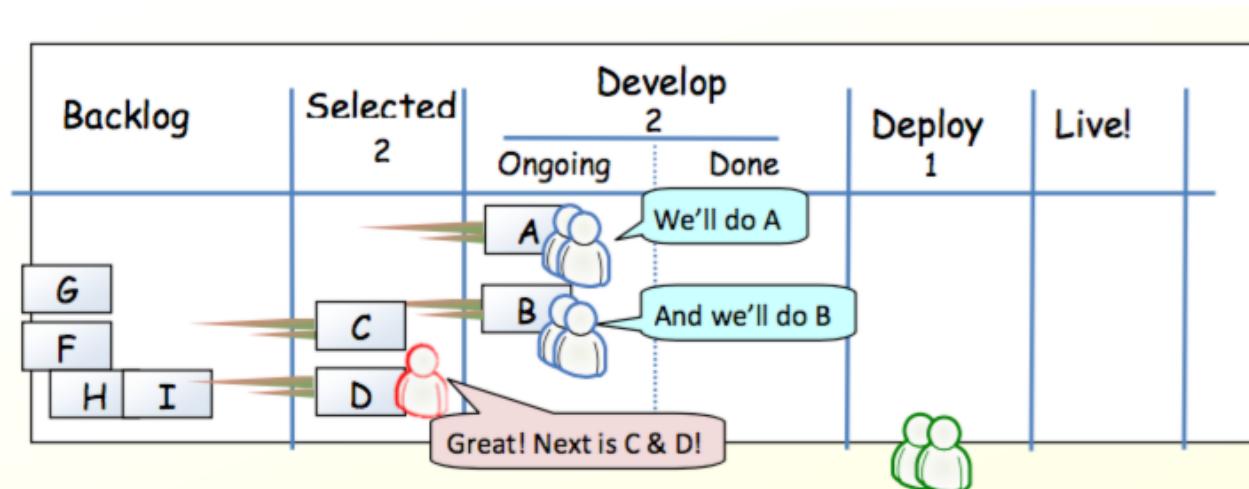
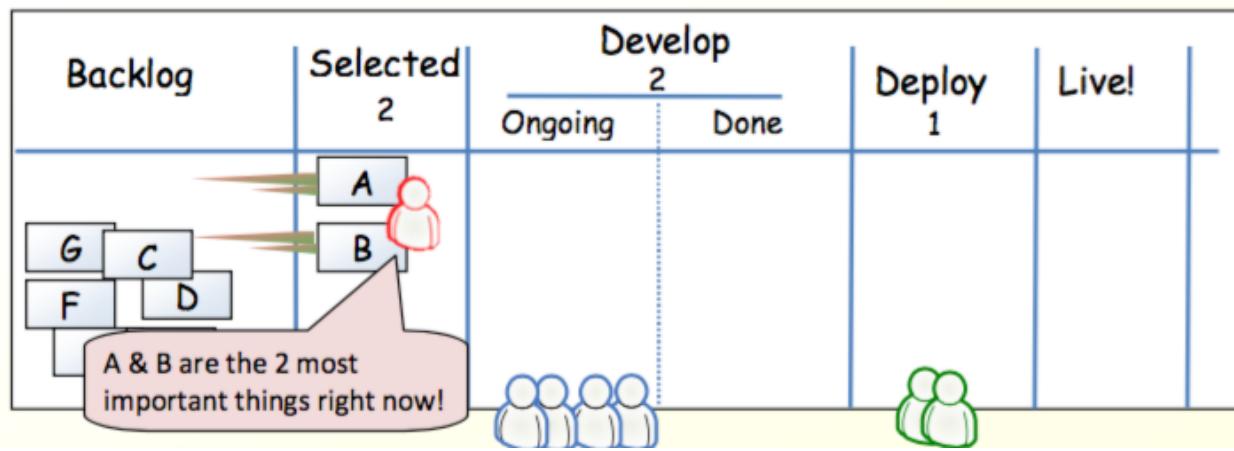
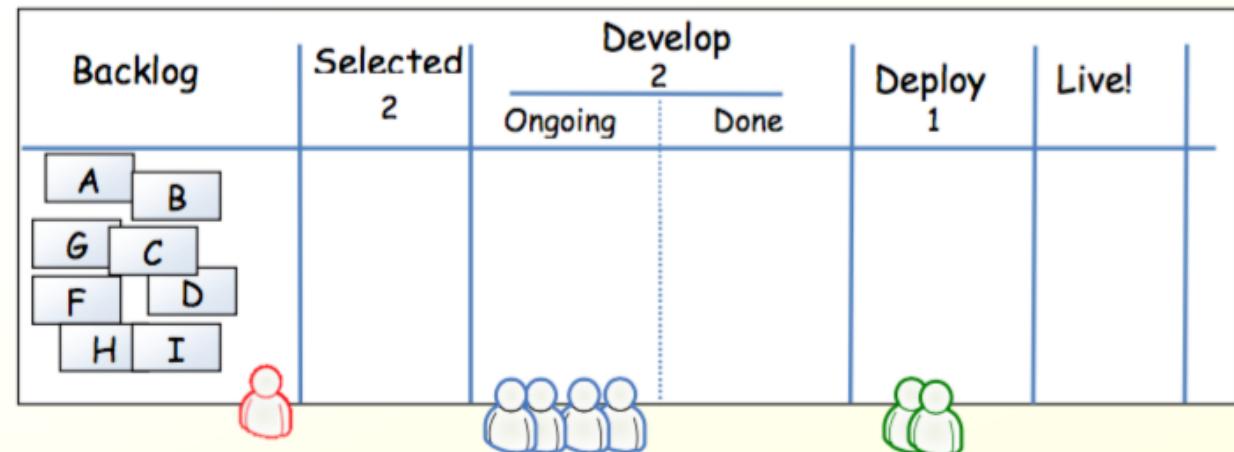
MTVN / Project board Board Analytics Archive Settings Exit

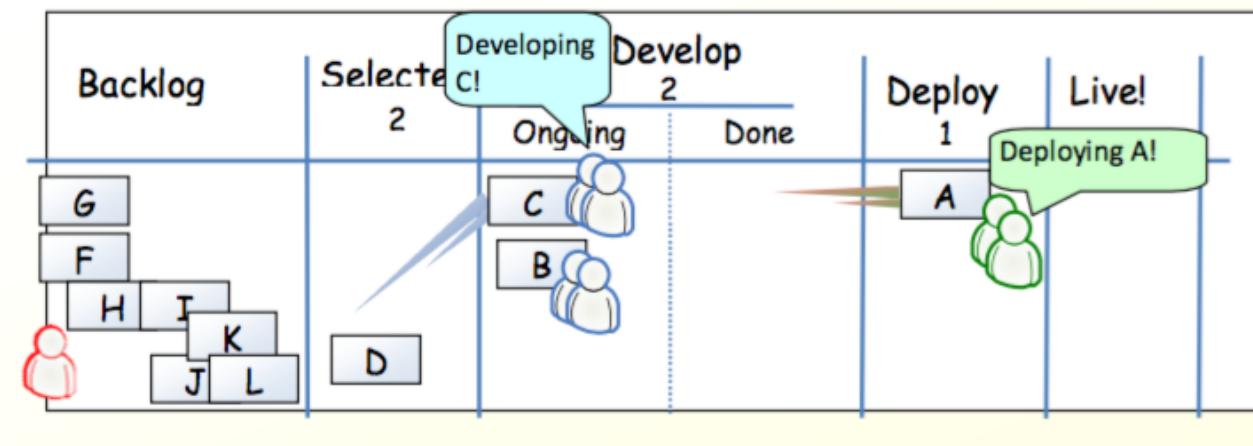
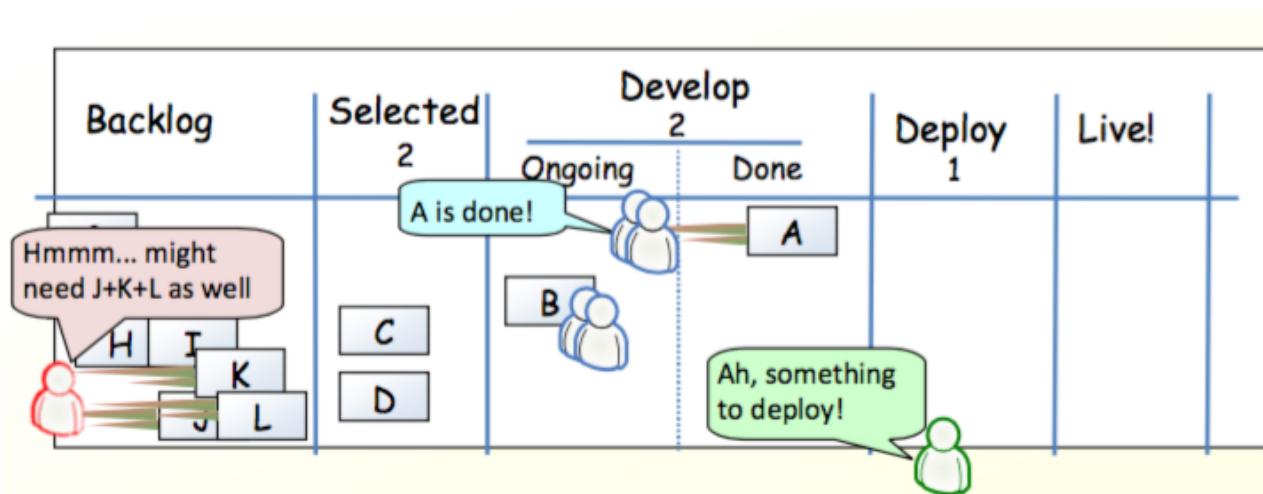
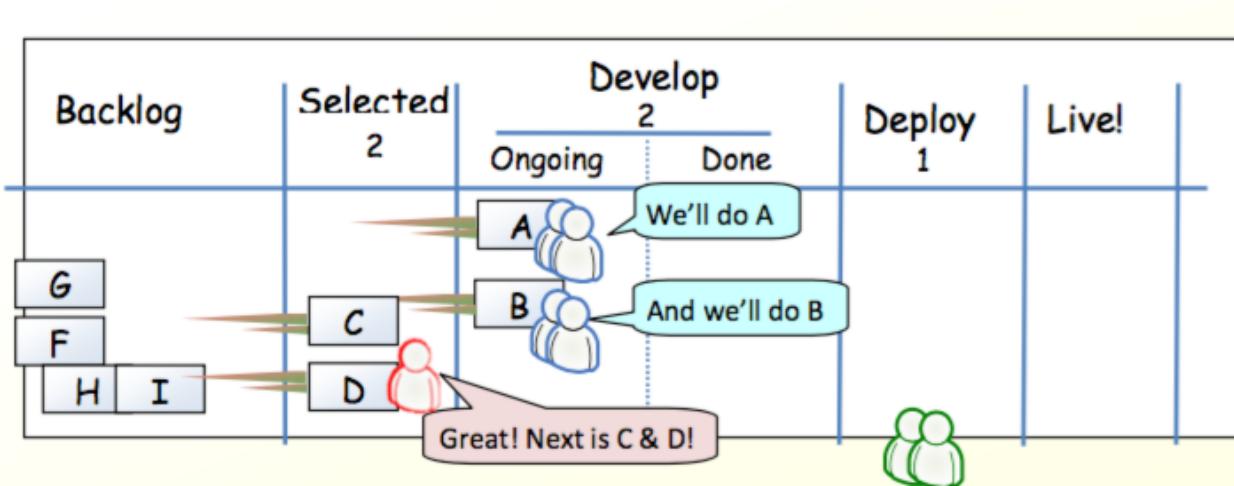
shortcuts | feedback | tools + Search for title, card type or tag...

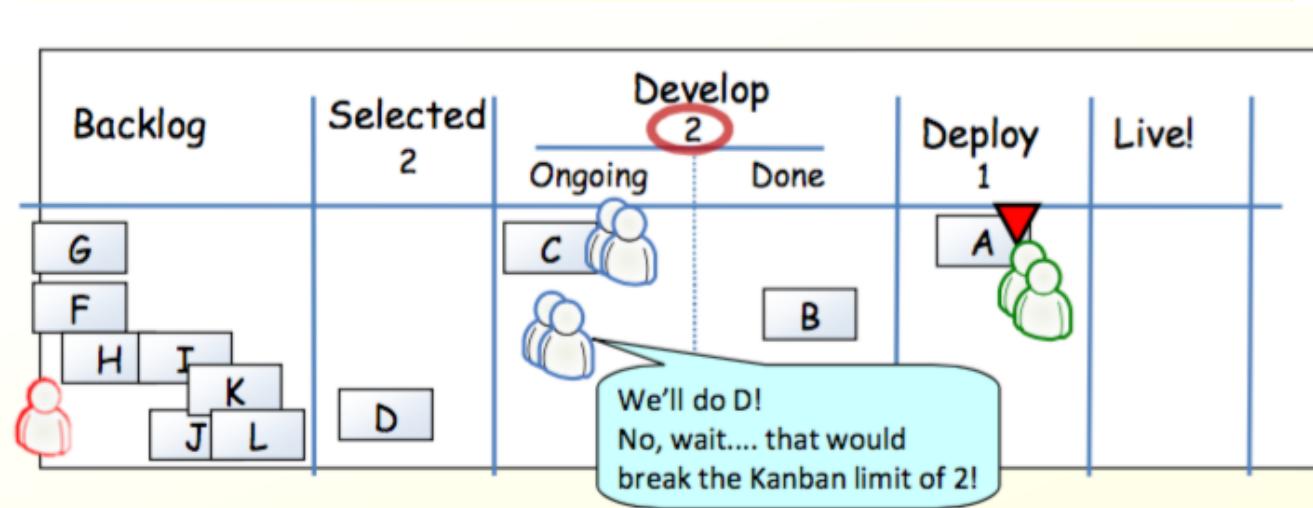
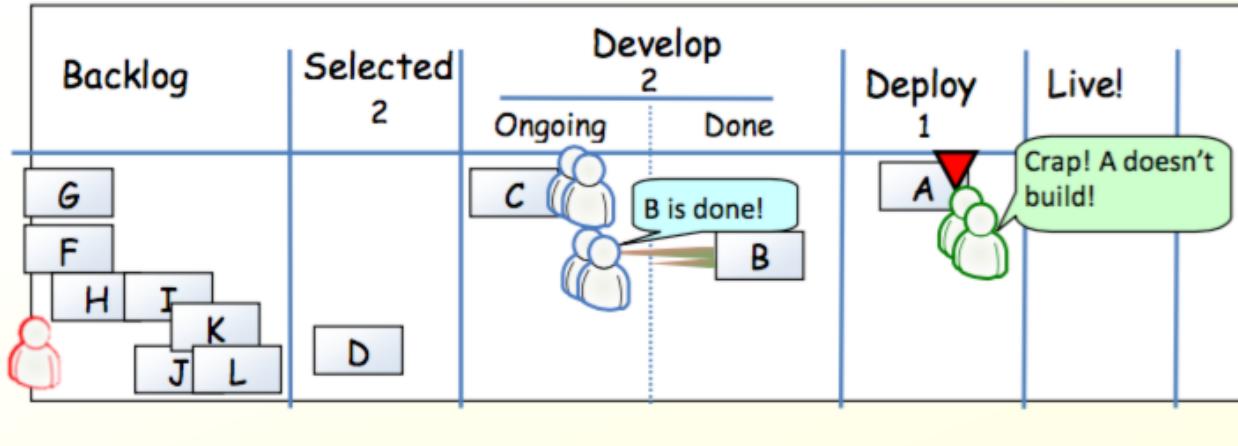
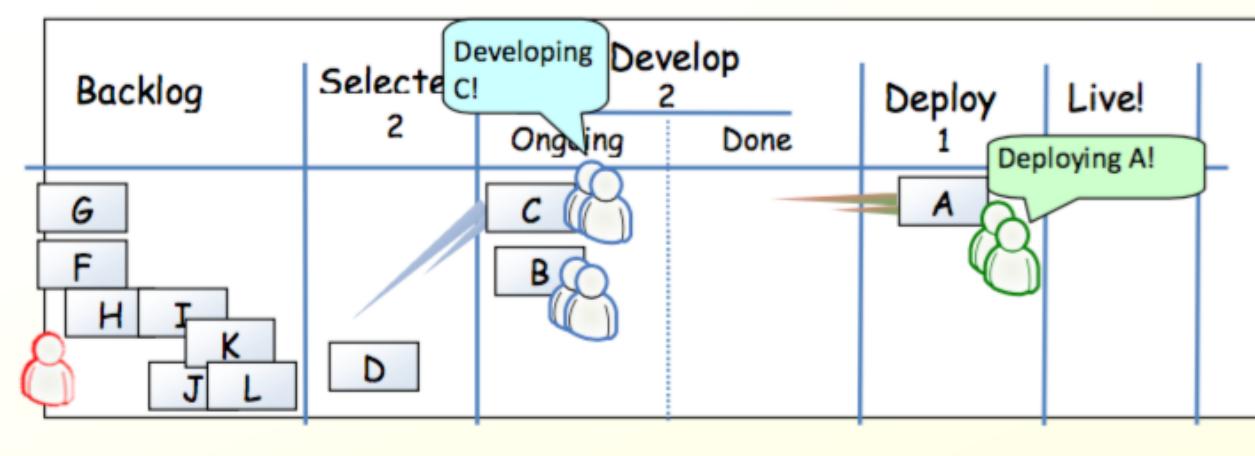
- To do	- To do	- Accepted	- Buffer 10 / 5	- Doing	- Done	- Review	- Done		
As a user I can remove an item from a basket	Registered User who has paid can access document	As a user I can remove an item from a basket	Registered User who has paid can access document	As a user I can cancel my account.	As a user I can log in.	As a user I can edit my personal data	In a user I can write the time	Add "About us" page	As a user I can ask a team member what to do
As a user I can check the number of items in my basket	Review code before updating the website	As a user I can check the number of items in my basket	Review code before updating the website	As a user I can ask a team member what to do	As a user I can sign out.	As a user I can find news cards	As a user I can ask a team member to join	As admin I can access files	As a user I may sign up now for free
As a user I can ask a team member what's next	Ask a team member to join my account	As a user I can ask a team member what's next	Ask a team member to join my account	As a user I can check the prices of the products and services	All things connected to my present work can be seen by customers	Add "Testimonials" page	Updating Contact us web page	Adding "Contact us" page	As a user I may sign up now for free
Install the newest version on our website	Invite people to my kanban board	Install the newest version on our website	Invite people to my kanban board	As a user I can check the number of items in my basket	As admin I can access files	As a user I can sign up now for free	As admin I can access files	As a user I can find news cards	As a user I can ask a team member to join
Review code before updating the website	All things connected to my past work can be seen by customers	Review code before updating the website	All things connected to my past work can be seen by customers	As a user I can ask a team member to join	Add "About us" page	As a user I can edit my password and check my current version	Review code before implementing JS module	Add "About us" page	As a user I can edit my personal data
Check out latest updates	Send newsletter to all users	Check out latest updates	Send newsletter to all users	Add "About us" page	Review code connected to my present work before deploying	As a user I can ask a team member what to do	As admin I can access files	As a user I can find news cards	As a user I can ask a team member what to do
As a user I can ask a team member to join group	As a user I can ask a team member what's next	As a user I can ask a team member to join group	As a user I can ask a team member what's next	As admin I can access classified files	As a user I can settle the time	As a user I can ask a team member what to do	As admin I can access files	Invite people to my kanban board	As a user I can ask a team member what to do
As a user I can ask a team member what to do	Registered User who has paid can access document	As a user I can ask a team member what to do	Registered User who has paid can access document	Invite people to my kanban board	As a user I can find news cards	As a user I can ask a team member what to do	All things connected to my past work can be seen by customers	As a user I can ask a team member what to do	As a user I can ask a team member what to do
Review code before updating the website	All things connected to my past work can be seen by customers	Review code before updating the website	All things connected to my past work can be seen by customers	As a user I can cancel my account	As a user I can remove an item from a basket	Updating Contact us web page	As a user I can check the number of items in my basket	As a user I can ask a team member to join	As a user I can ask a team member what to do

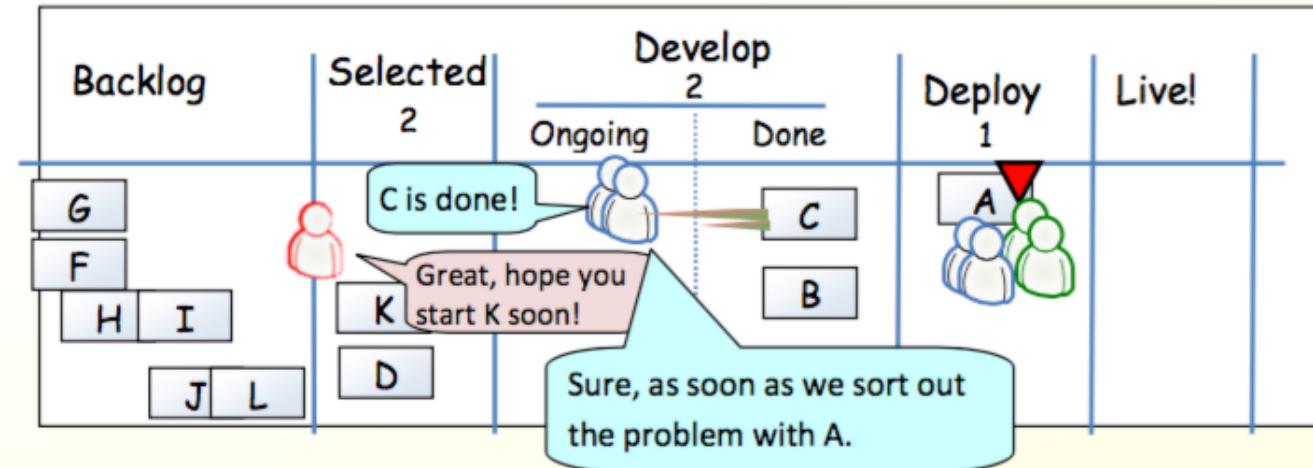
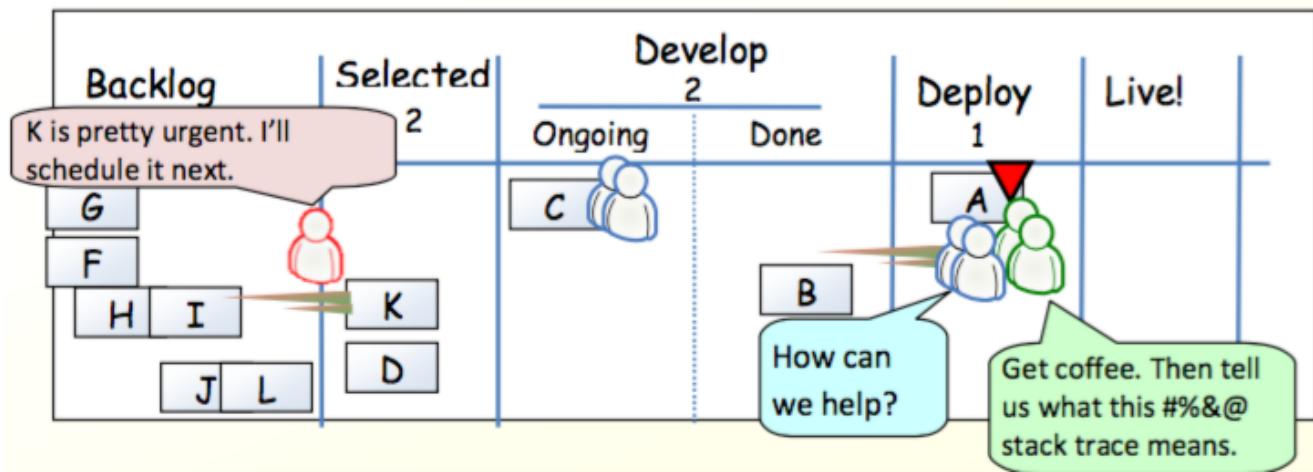
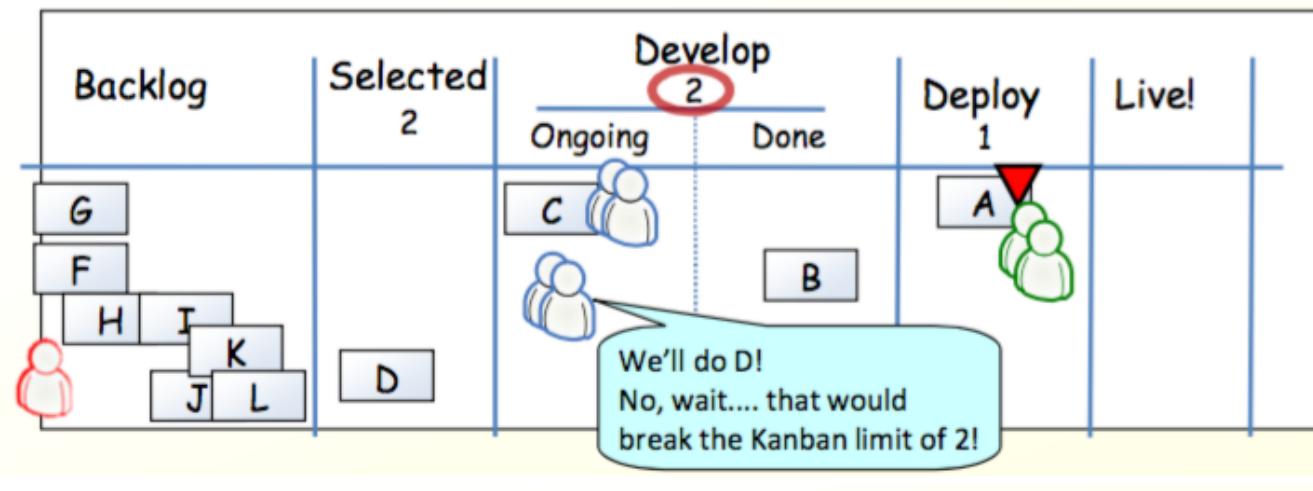
<https://kanbantool.com>

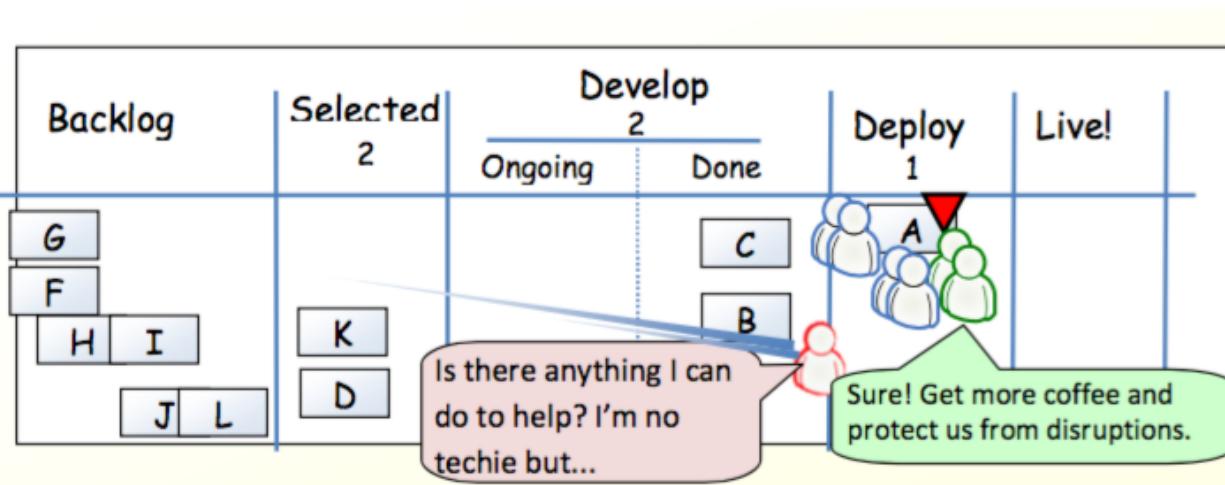
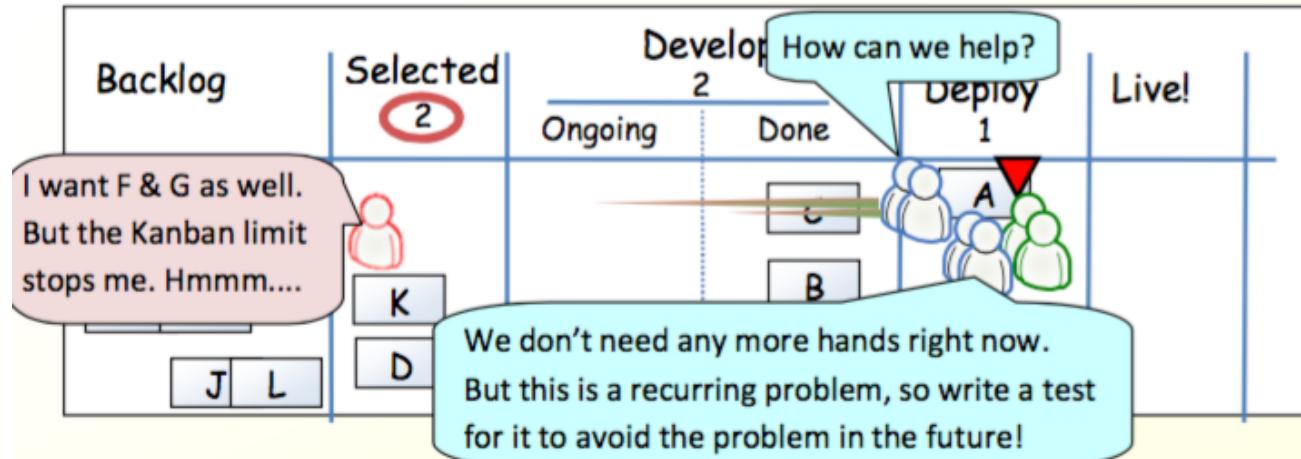
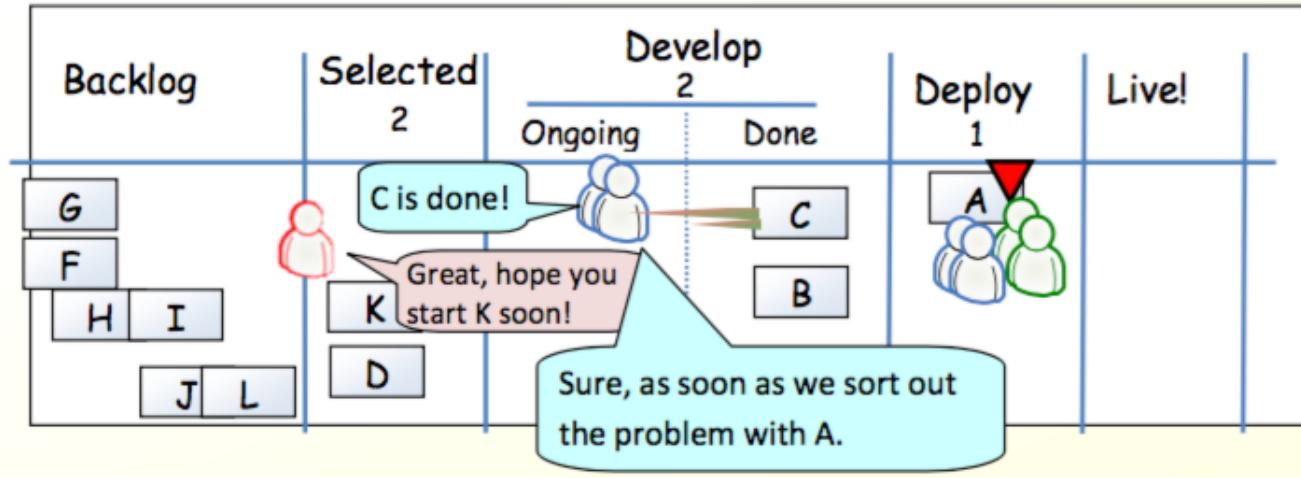
Un ejemplo

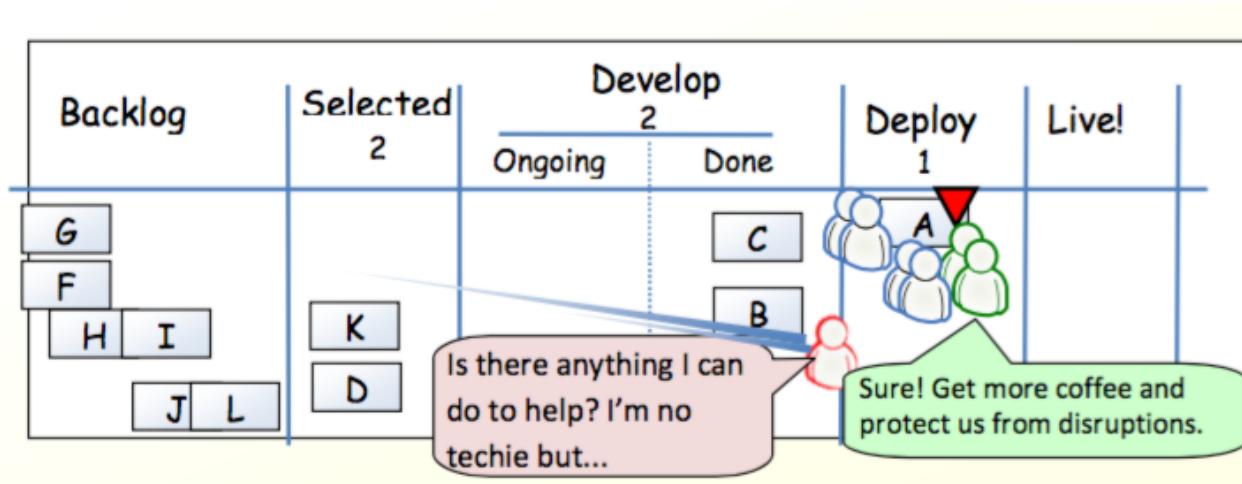




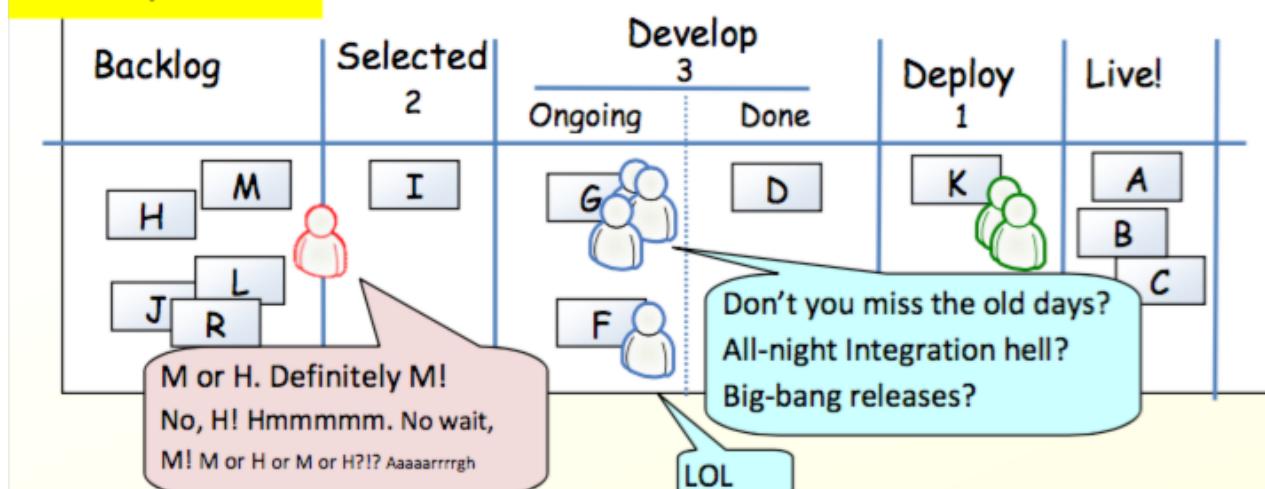






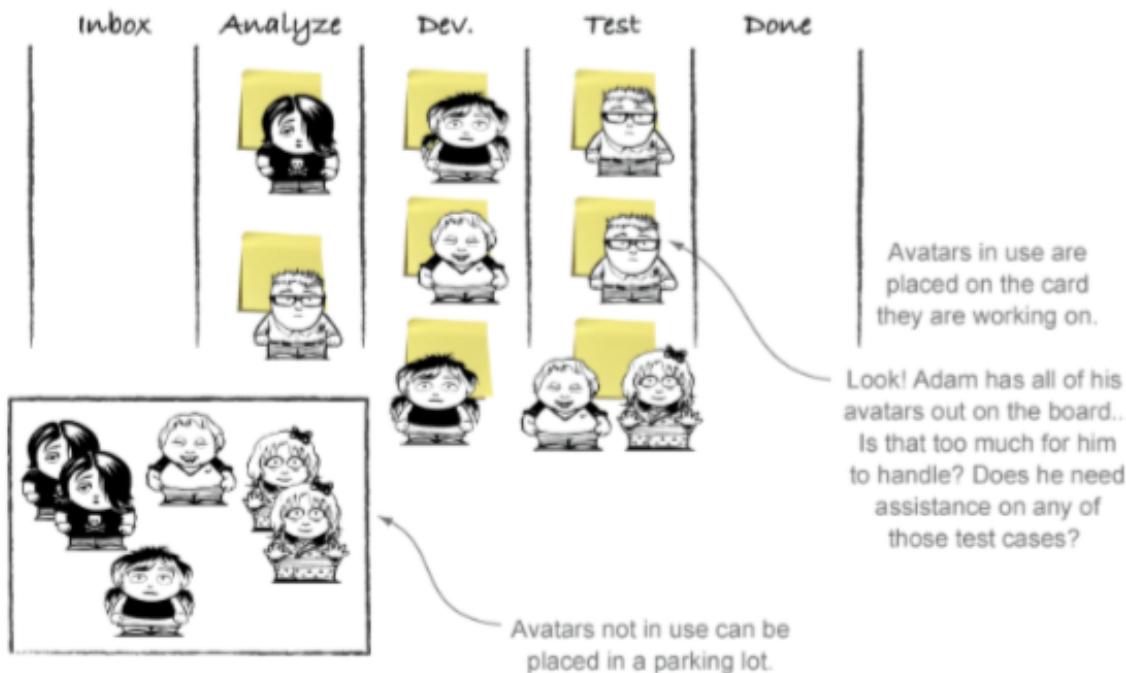


A few days later...



Controlando Límites de Personas

- ▶ Pueden usarse avatars con las tareas
- ▶ Máximo número de un avatar en el tablero



Otra Forma

- ▶ Asignando filas específicas del tablero a las personas



En resumen

- ▶ Tres principios
 - ▶ Visualización colectiva del trabajo
 - ▶ Limitación del trabajo en progreso (WIP)
 - ▶ Gestionar el flujo

Como Optimizar el Flujo

- ▶ Ajustar el WIP
- ▶ Reducir las esperas (tareas pequeñas y de igual tamaño)
- ▶ Eliminar bloqueos (ayuda desde otros)
- ▶ Equipos multifuncionales