# Generacion Procedural de Contenido - PGC

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Qué

Para qué

Quien

Como

Donde

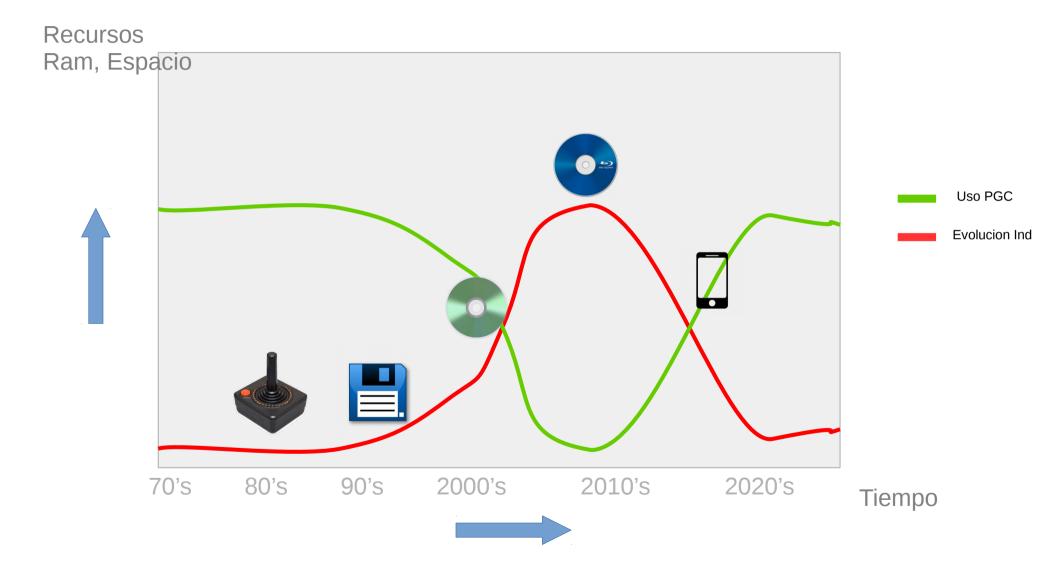
### Qué

Creacion <u>algoritmica</u> de <u>datos</u>.

### Para qué?

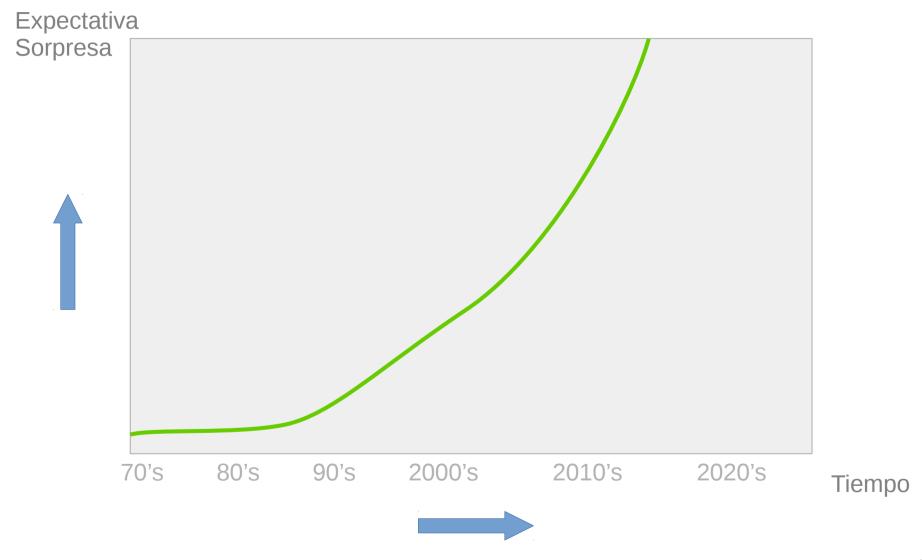
- Tamaño
- Diversidad

# Para qué?





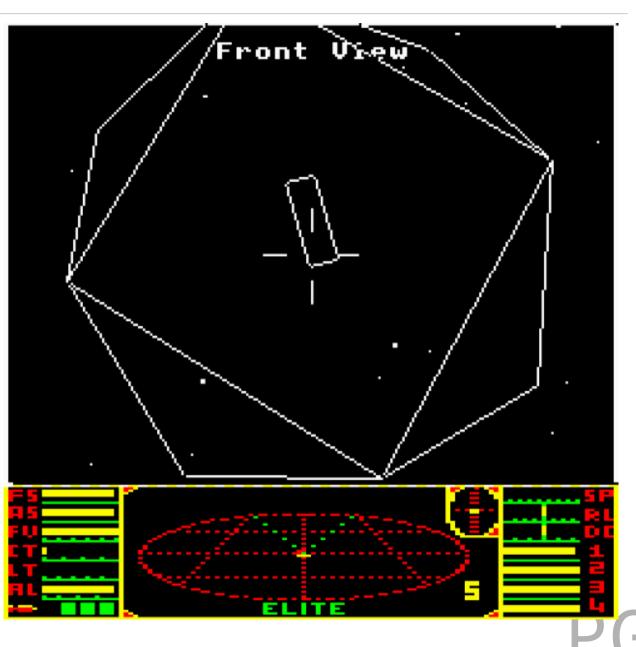
# Para qué?



- Juegos
- Cine/Video
- Arte
- Musica
- Mensajes

- Simulaciones : flujos
  Trafico, caudal,
  urbanizacion, distribucion.
  - Decision Support:
- AI
- VR, AR















PUL

#### Cómo : Aditivas

- Tiles
- Grammars
- Distribution
- Parametric
- Interpretive
- Simulations

### Cómo : Tiles





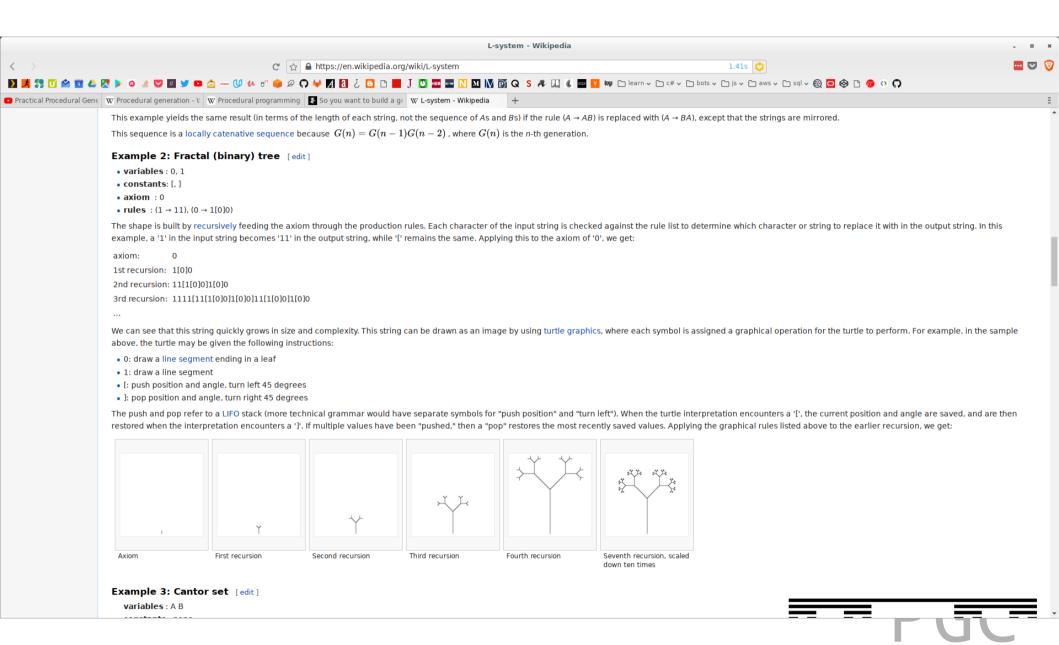
### Cómo : Grammars



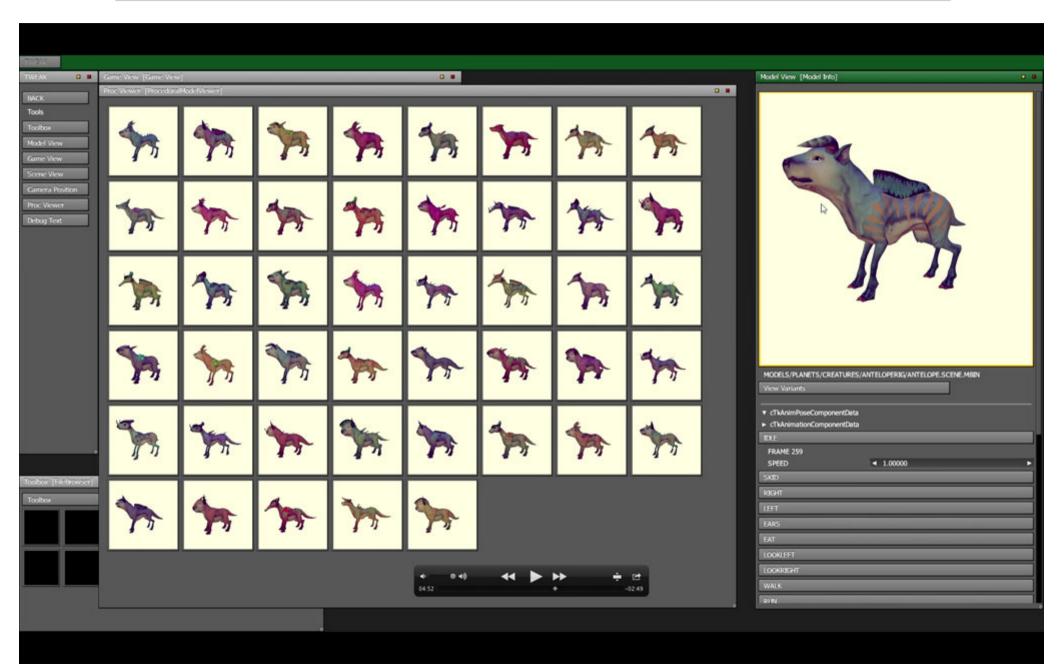
```
▼ y the blink of an eye' yelled Senator Shon. 'Yeah, I'll have it done in the time it takes a single unstable muon
to evaporate; Steel promised, hanging up the holophone. Steel shrugged with relief. The only thing that could really, I mean really,
inspire a prismapoem would be the famously boyish spies of Planet Skionam and for that, he'd have to go to the Jantru system. Steel
punched 'Jantru' into the holopager. There was still one ticket left on the hypertram, but he'd have to take a nonstop digi jet the rest
of the way to Planet Skionam.
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  the time it takes a single unstable
                                    muon
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                                                                                promised, hanging up the
                                                     to evaporate
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                       phone
                                  Steel shrugged with relief
 artQuest
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                                                                                                        occupation
                                                       origin
                                                                                                      step 69864905
                                                                                    ▼ reroll
```

'I need that prismapoem by the blink of an eye' yelled Senator Shon. 'Yeah, I'll have it done in the time it takes a single unstable muon to evaporate', Steel promised, hanging up the holophone. Steel shrugged with relief. The only thing that could really, I mean really, inspire a prismapoem would be the famously boyish spies of Planet Skionam and for that, he'd have to go to the Jantru system. Steel punched 'Jantru' into the holopager. There was still one ticket left on the hypertram, but he'd have to take a nonstop digi jet the rest of the way to Planet Skionam.'

# Cómo : Grammars / L-Systems



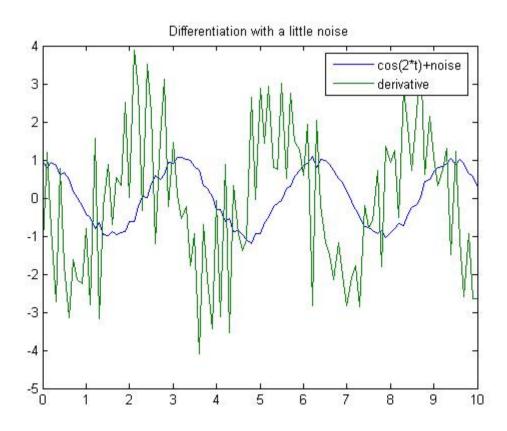
### Cómo : Parametricos



## Cómo : Interpretive

Agregar complejidad a algo existente.

AR, Kinect, Noise (Perlin), Voronoi,





#### Cómo : Simulaciones

- Trails: simular trayectorias que reponden a fuerzas.
- Dibujo
- Extrusiones, morphs.
- Cellular automata

#### Cómo: Ramdoms & Misc

Aleatorios



• 10.000 bowls de avena



Ownership (No man's Sky) – apropiar
 contenido y compartir, curar.

#### Donde: Recursos

- pcgbook.com
- The Nature of Code / Coding Train
- Tracery.io
- Mike Cook
- Ken Perlin
- Kate Compton
- http://galaxykate0.tumblr.com/post/139774965871/so -you-want-to-build-a-generator
- P5js.org
- Processing.org
- Unity,....



# Gracias,