

The Innovation Farm

A Modern Replacement for
the Innovation Funnel



HEALTHINFO, Lisbon, October 2022



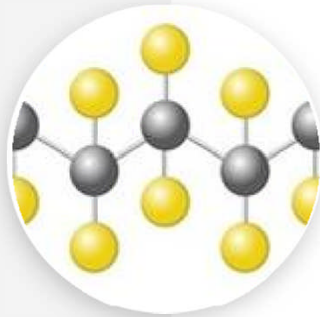
Jay Erickson

,Partner, Chief Innovation
Officer



Gen Gurczenski

Emerging Technology Innovation,
Experience Architect



Founded to create
products around PTFE

1958

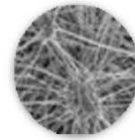
First products in space -
cables for Telstar satellite

1962



Discovery of ePTFE

1969



First GORE-
TEX® Vascular
Graft is

1975



GORE-TEX® fabric
launches

1976



ePTFE sutures

1986



ELIXIR® guitar strings

1997



Fabric woven from GORE®
Fiber for retractable roof at
Wimbledon Centre Court

2009



45 million implants
milestone

2019



**Core foufid6tiofi6l ififiov6tiofis - PTFE
ifi 1958 > ePTFE ifi 1969**

- Cascade of diverse innovative applications and materials science

Ufiiue org6fiiz6tiofi6l structure

- power of small teams
- lattice structure

New pressures to ififiov6te

- competitive pressure
- larger org = less nimble
- rise of digital
- climate change





Our Mandate

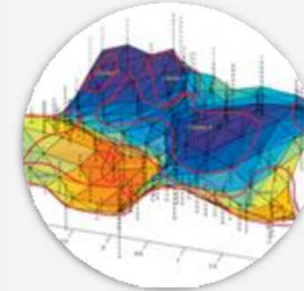
Leverage emerging digital technology to inhabit the future by evolving products, embracing complexity and solving customer problems



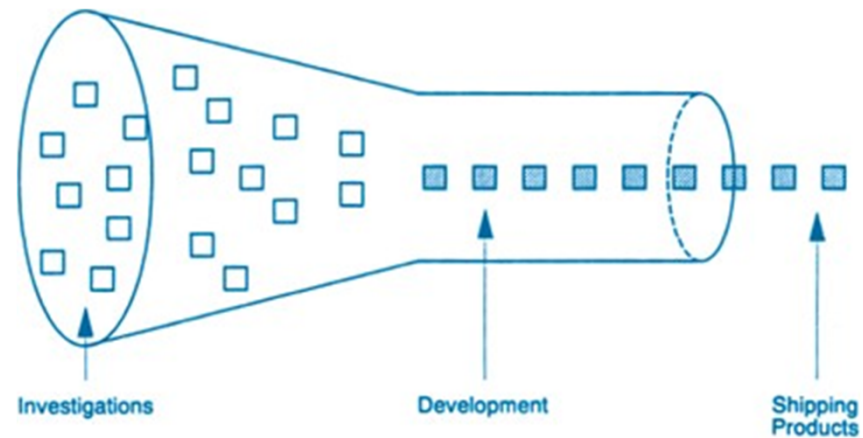
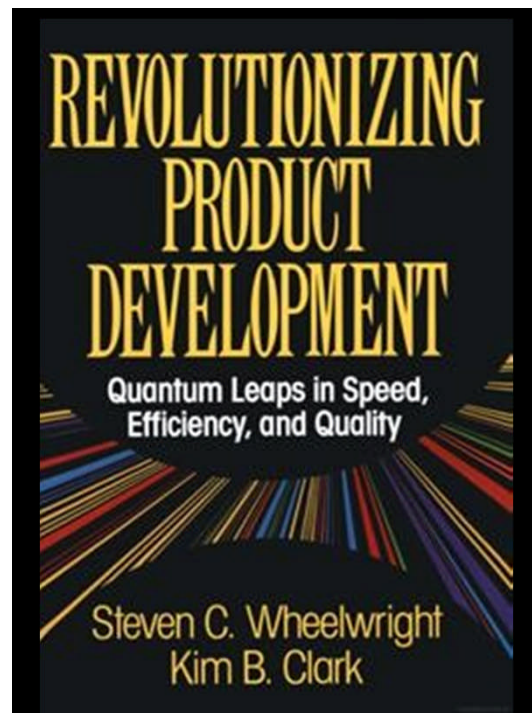
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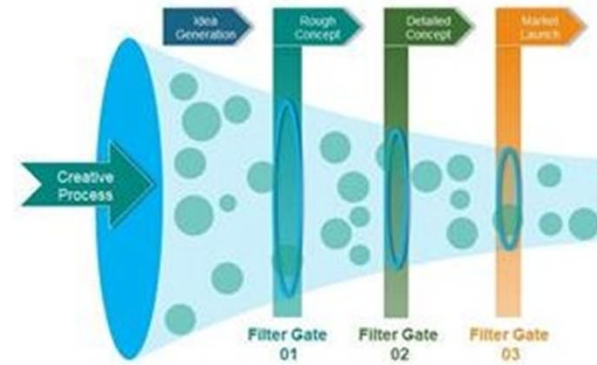
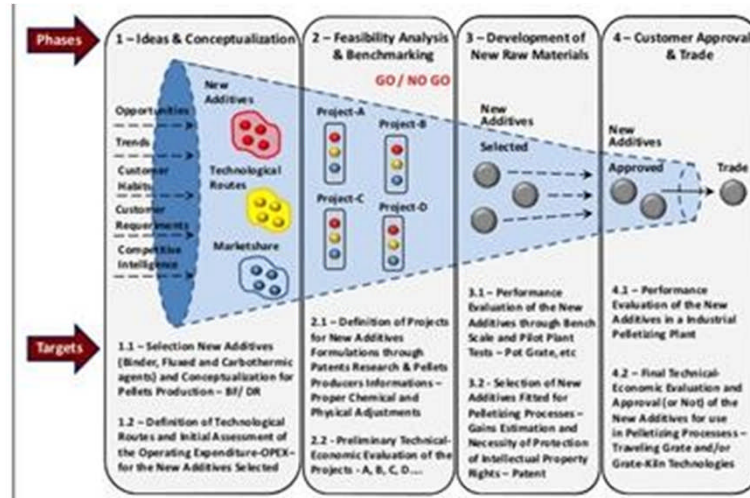
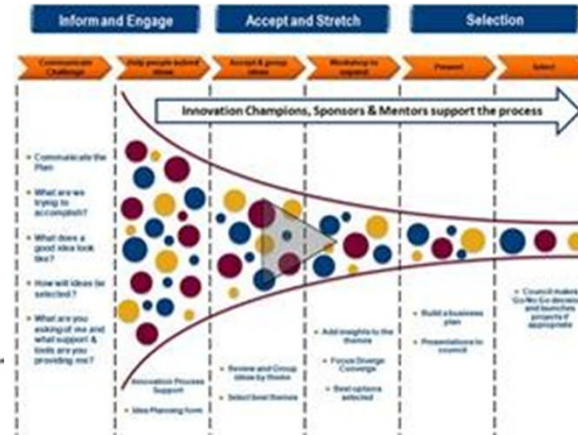
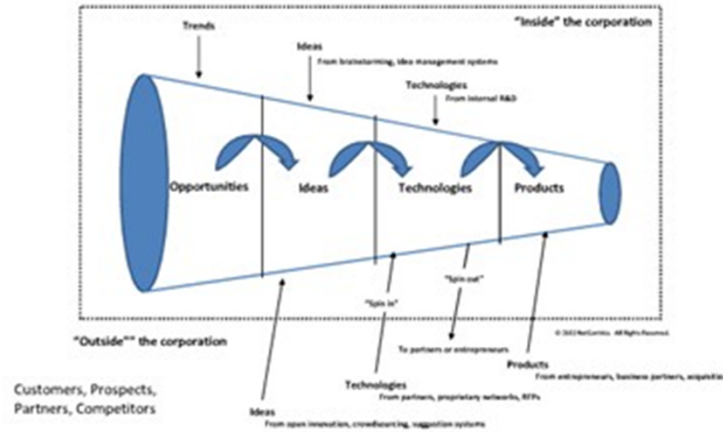
How can we move from linear thinking to supporting complex, graph-based systems?

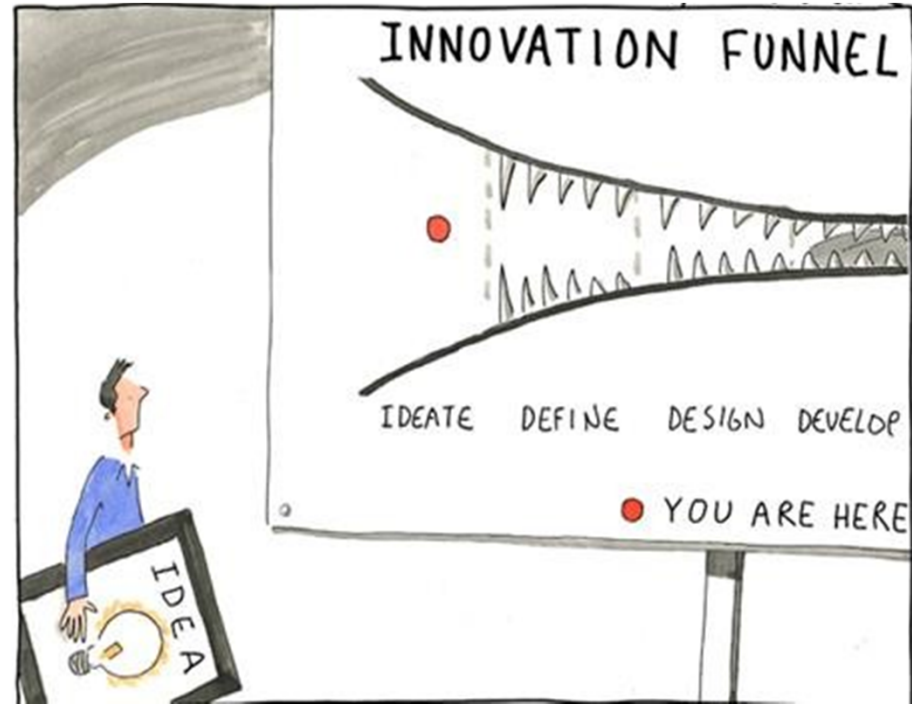
Bob Murray / GORE / Innovation Champion



1992 › The Innovation Funnel is Born

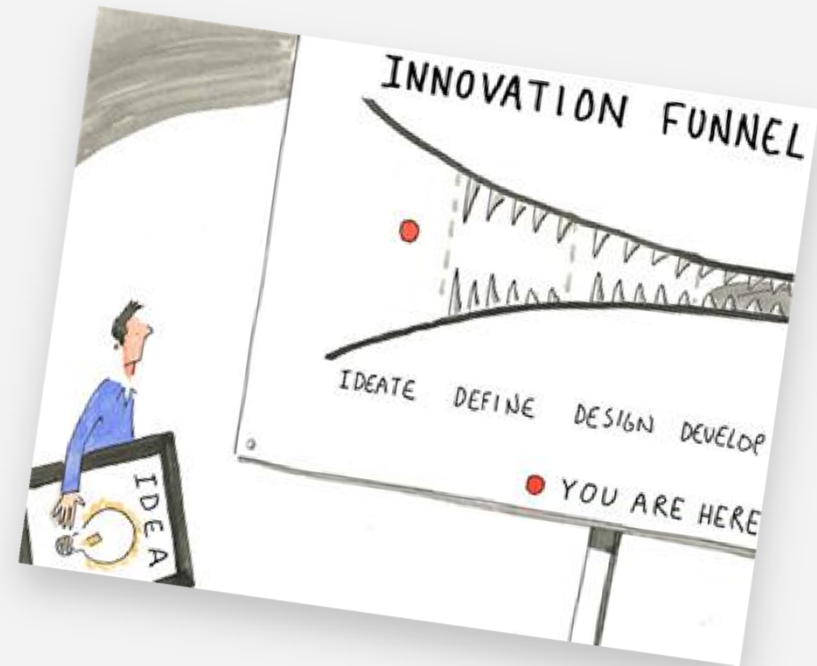






Funnel Problems

- Focus is on **pickifig wififiers**
fiot cre6tifig wififiers
- **Admifi is 6t the core** not ideas or product development
- Senior **expertise becomes focused ofi ev6lu6tiofi 6fid fiot cre6tiofi** or improvement
- Stage **g6tes become clogs**
- **Low toler6fice for risk** or faltering





Funnel to **F6rm**



**20th
Century**
Industrial Era

**21st
Century**
Digital Era

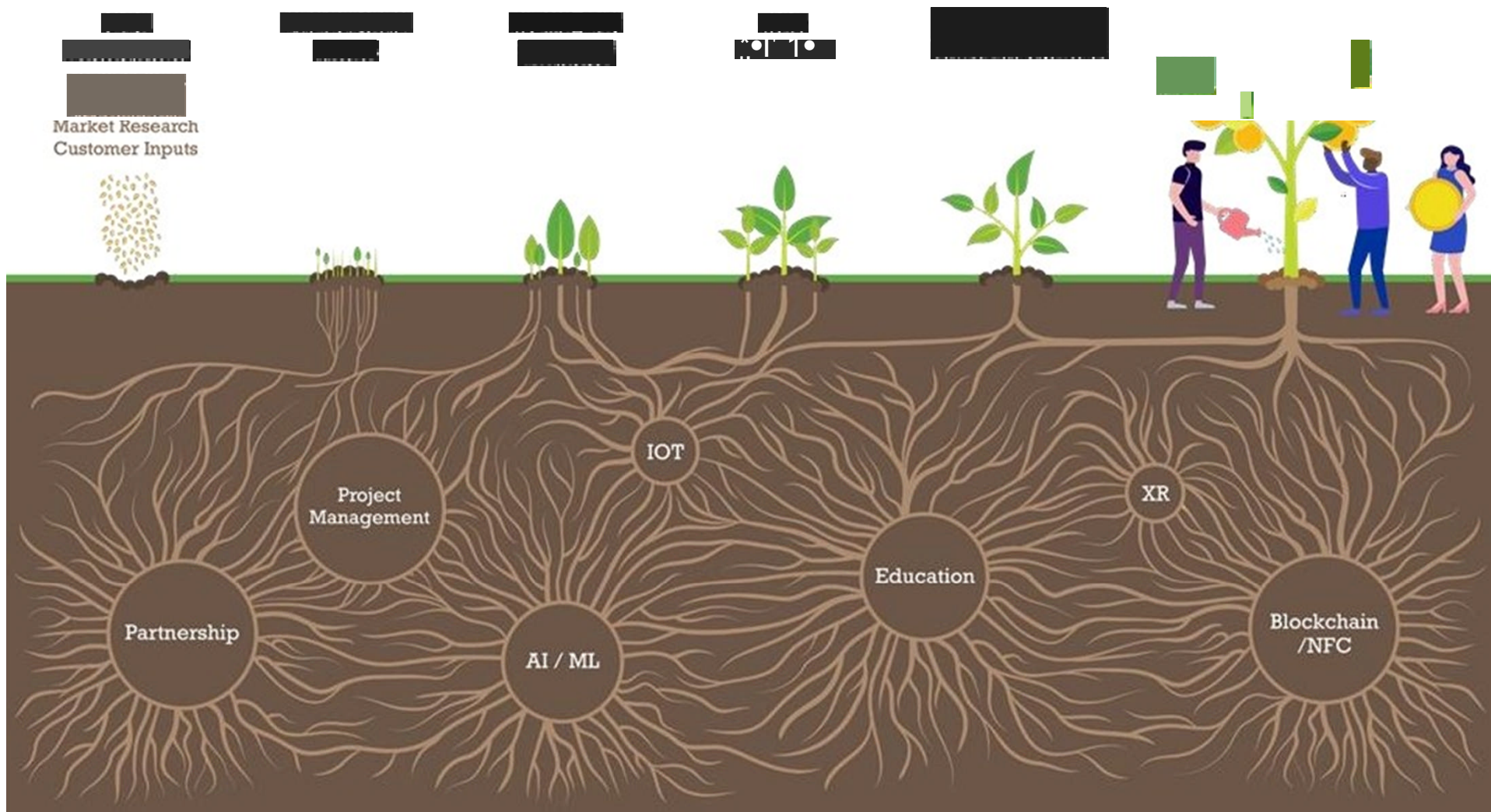


Nature >

All Time Top #1 Champion Innovator

The Original Complex System

- Non-centralized rulesets
- Competitive forces
- Selective processes
- Mutation = Innovation





Farm Features

- Harness natural forces with **ifitefitiofi6l evolutiofi**
- End goal is to harvest the fruit but **ifivestifig ifi good seeds, ifiputs, soil he6lth**, etc
- **Ide6s h6ve ifitrifisic drive** to grow, evolve, flower, fruit
- **Tr6fisp6refit** and **fi6vig6ble**
- **Friefidlier im6ge / ifiterf6ce** (not trapping your idea / project in my funnel)
- **Cross pollifi6tiofi & gr6ftifig**
- **N6tur6l selectiofi, weedifig 6fid thififiifig**
- “Failed” **plafitifigs** become compost **afid cofitribute** to soil health (expect < 5% of concepts to fruit)
- Allows for **highly v6ri6ble growth** and **h6rvest times**

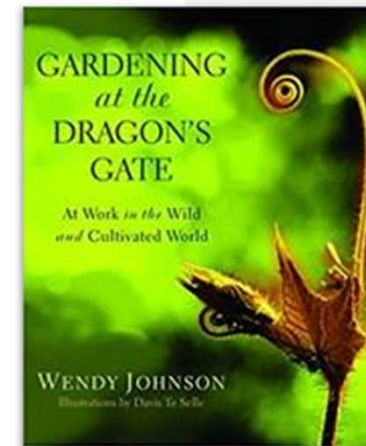




Space for The Wild

"My first principle is to learn gardening from the wilderness outside the garden gate. In honor of wildness inside and outside the garden gate, every spring I **leave a random corner of our garden untended.**"

-Wendy Johnson





Funnel

Cutting and slashing

Feels like a race

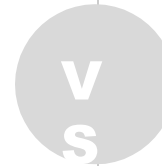
Live or die by linear (creative) ROI models

Innovation infrastructure is consumptive

Competitive

Artifact of industrial era

Rigidly defined swimlanes



Farm

Growing and evolving

Variable speeds OK

Projects/ideas have intrinsic value

Innovation infrastructure is generative

Collaborative

Human and timeless


Space for unexpected, organic emergence



Operationalizing the Farm

- Fund the farm **collaboratively** (CSA / DAO)
- Differing growth rates can add complexity to centralized stage gates
 - Empower farmers to **do their own weeding**
 - Establish **clear OKRs and horizons** for each farmer / planting
- **Rename your kanban** columns / stages (seed, sprouts, seedling, growing, fruiting, etc)
- **Monitor soil** health
 - establish **feedback loops** from stakeholders, innovation team, internal customer
 - monitor **industry trends** for emergent technologies
- Invest in internal communications and **storytelling**






Emerging Technology Innovation


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AI/ML L&L: A short history, present developments, and future outlook w/ Prof. David R....


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The Metaverse and GORE Mountain



First We Take Manhattan! - How NFTs are...



AI/ML Lunch & Learn: Dr. Nina Kottler on...



Tokenizing Carbon

Think of Gore as an innovation farm.

Emerging Technology Innovation's (ETI) role on this farm is as a greenhouse.

The greenhouse cultivates seeds of promising ideas with soil rich in:

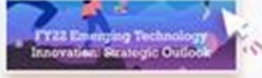
- Emerging technologies
- Cross-disciplinary collaboration
- Early stage prototyping

Seeds that show promise are then taken out to the field where the full resources of the farm grow them to bear fruit.

On the farm, ETI is a distinct but connected part of IT.

IT maintains the infrastructure needed to run the larger farm.

ETI focuses on creating a space to nurture early-stage ideas that may one day be supported by IT.



Emerging Technology Innovation is *inhabiting the future* by evolving products, embracing complexity and solving customer problems.

Discover ETI's Strategy

Thank you!



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