

CHANGE AN INDUSTRY

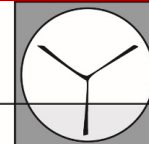
By changing yourself

Presenter: **Adam J. Cohen**, RA NCARB, NZ, VA, VT, NH, CO, MD, CPHC NA & EU, LEED AP ®



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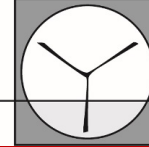
My Personal Journey

“Do the difficult things while they are easy and do the great things while they are small.” ~ Lao Tzu



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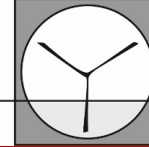
My Personal Journey is Shared with You!

"Don't reinvent the wheel when you can borrow it!" ~ *Maury Strauss*



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Why Change?

Do we really need to have this conversation?

Global Energy Supply and Demand

Year	Global Energy Demand (Mtoe)	Global Energy Supply (Mtoe)
1970	~6,000	~6,000
1980	~8,000	~8,000
1990	~10,000	~10,000
2000	~12,000	~12,000
2010	~14,000	~12,000
2020	~16,000	~12,000

Drivers of Climate Change

Category	Relative Contribution
Residential & Commercial Buildings	High
Everything Else (industry, travel, agriculture etc...)	Low

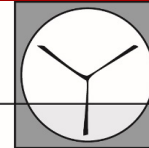
Temperature Increase (°C)

Year	Temperature Increase (°C)
1992	~0.5
2002	~1.5
2007	~2.5

Nope, nope,
so much nope

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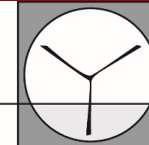
Proactive or Reactive

It's our choice



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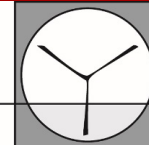
What will YOU do?

It's our choice



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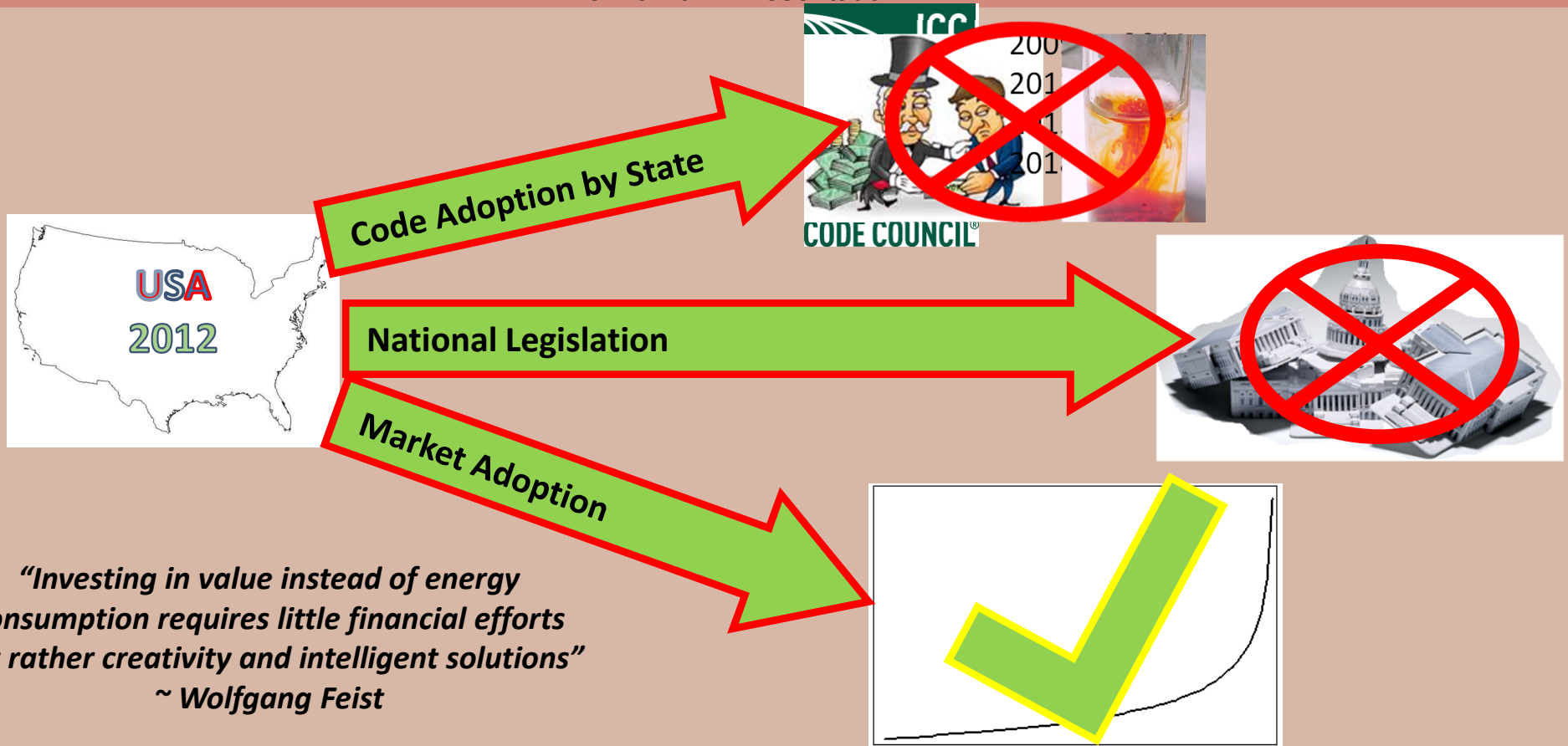
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We have no choice

From a 2012 Presentation

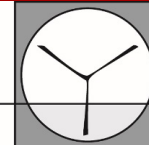


"Investing in value instead of energy consumption requires little financial efforts but rather creativity and intelligent solutions"
~ Wolfgang Feist



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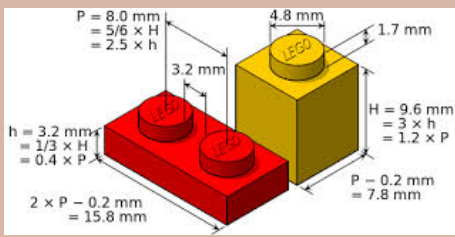
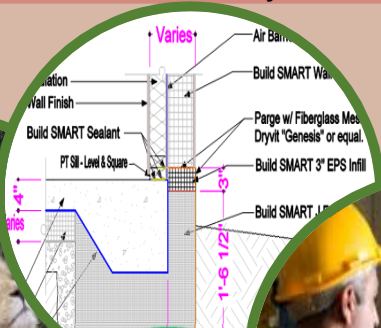


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Design

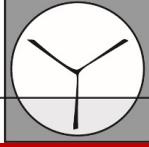
Allows designers flexibility, constrains flexibility for reliable cost, quality control, ease of detailing, ease of energy modeling, robust durability

- **Standard System**
 - Think Lego®
 - Design Flexibility
 - Ease of Detailing
 - Quality Control
 - Robust & Durable
 - Reliable Cost
 - Easy Energy Models



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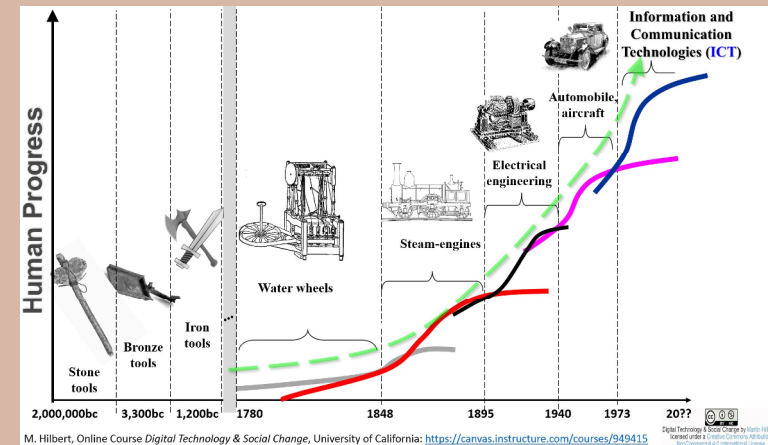
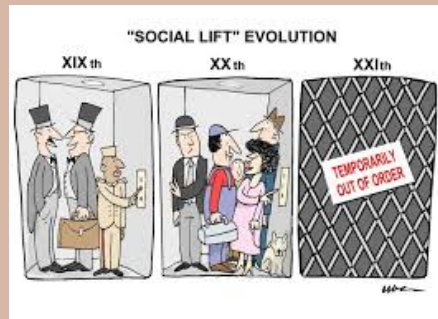


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Evolve ~ Devolve

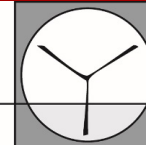
ReEvolution

- **Evolution:** the gradual development of something, especially from a simple to a more complex form.
- **DeEvolution:** the gradual or sudden reversion into more "primitive" forms over time.



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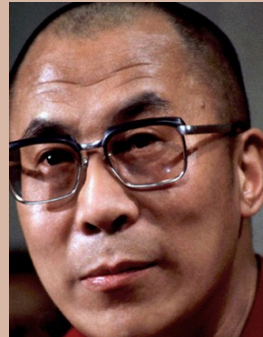


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Evolve ~ Devolve ~ ReEvolve

ReEvolution

- **ReEvolution:** sustained evolution with intention



It is our collective and individual responsibility to preserve and tend to the environment in which we all live.

— Dalai Lama —



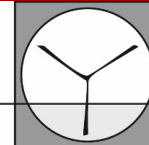
I never look at the masses as my responsibility. I look at the individual. I can love only one person at a time. I can feed only one person at a time. Just one, one, one.

— Mother Teresa —



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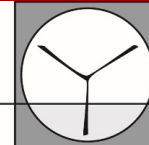
Head vs Heart

As Individuals and as a Species



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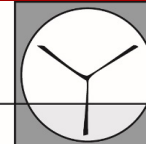
Concepts – to start a discussion

Radical Change of thinking



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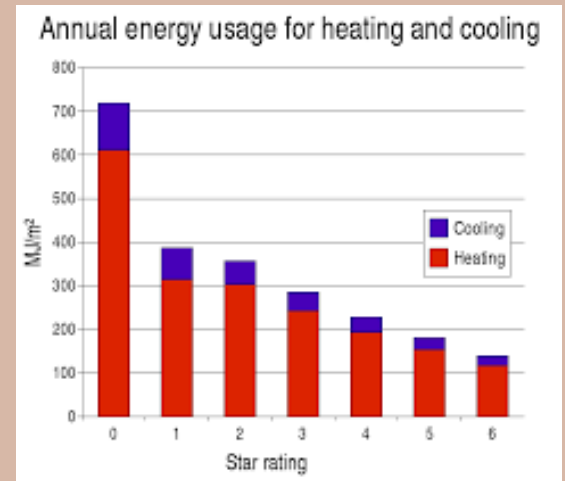
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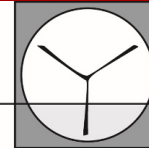
Inspiration for IPD.Community

“Saving our planet, lifting people out of poverty, advancing economic growth... these are one and the same fight. We must connect the dots between climate change, water scarcity, energy shortages, global health, food security and women's empowerment. Solutions to one problem must be solutions for all.” ~ *Ban Ki-moon*



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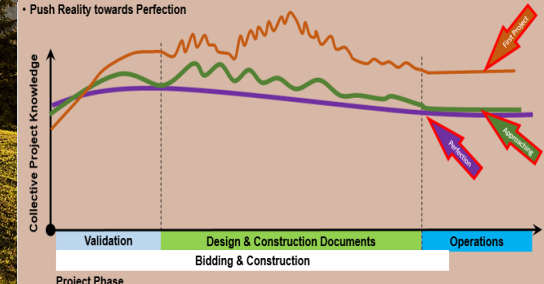
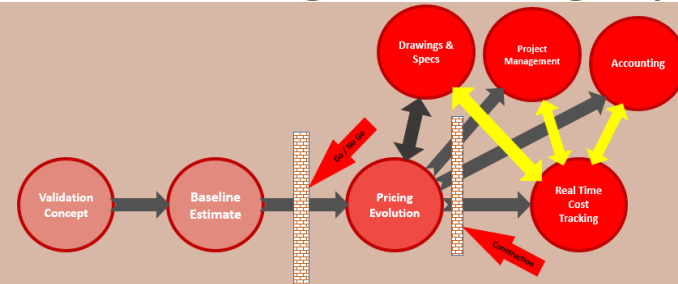
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Seeding IPD Community

“Someone's sitting in the shade today because someone planted a tree a long time ago.” - Warren Buffett

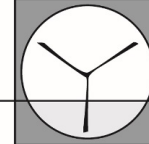


Activity	Start	End	Resources	Cost	Dependencies
Site Preparation	2017-01-01	2017-01-15	10	5000	
Foundation	2017-01-15	2017-02-15	15	10000	Site Preparation
Structural Steel	2017-02-15	2017-04-15	20	20000	Foundation
Roofing	2017-04-15	2017-05-15	10	10000	Structural Steel
Interior Finishes	2017-05-15	2017-07-15	15	15000	Roofing
Landscaping	2017-07-15	2017-08-15	5	5000	Interior Finishes
Final Inspection	2017-08-15	2017-09-01	5	5000	Landscaping



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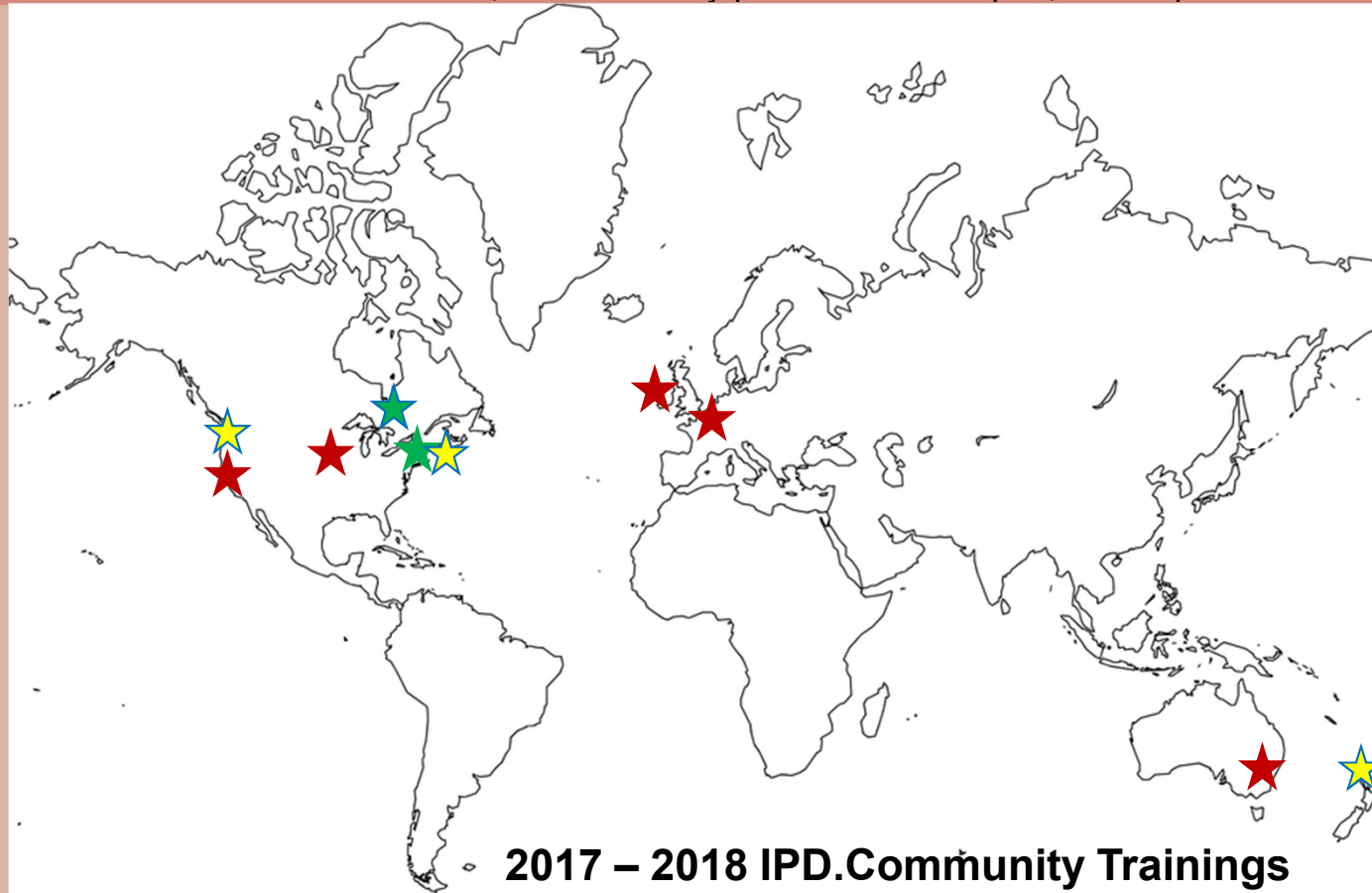
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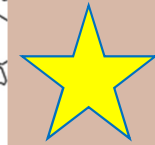
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Implementing the Roadmap

“Unless commitment is made, there are only promises and hopes; but no plans.” ~ Peter F. Drucker



Completed



In Planning

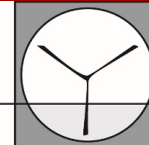


To be Planned



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IPD Community Shared privately

Welcome to IPD Community. This is the initial attempt to set up a communications tool that will encourage a networked learning community. Please enter thoughts, questions and experiences that you can to help us all learn.

IPD.Community is meant to be an open source platform for honing skills, developing tools, systems and techniques meant to facilitate delivery of high performance buildings at market rate.

[Edit welcome message](#) [Clear welcome message](#)

- Discussion categories
If you don't see a topic in this list, add it please

- [Fear](#)
Many obstacles to sharing and success is fear, personal, professional and institutional. This category is for frank and open discussion of what fear we have and how we can look at it, acknowledge and hopefully understand it enough to release the fear
[What are we trying to do here?](#)
- [Holistic Thinking](#)
- [General Development Questions](#)
- [Estimating](#)
- [Contracts](#)
- [Scheduling](#)
- [LEAN](#)
- [BIG BIM](#)
- [Fostering an atmosphere of respect](#)
- [Personal Knowledge Management \(PKM\)](#)

- Project Updates

- [Mission Hills Flats](#)
- [Bryn Mawr](#)



IPD.Community

[COMMUNITY CHAT](#)

[JOURNEY INTO IPD.COMMUNITY](#)

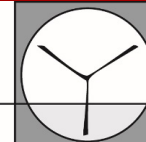
[IPD.COMMUNITY MISSION](#)

[DONATE!](#)



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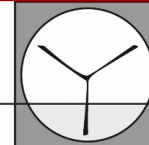
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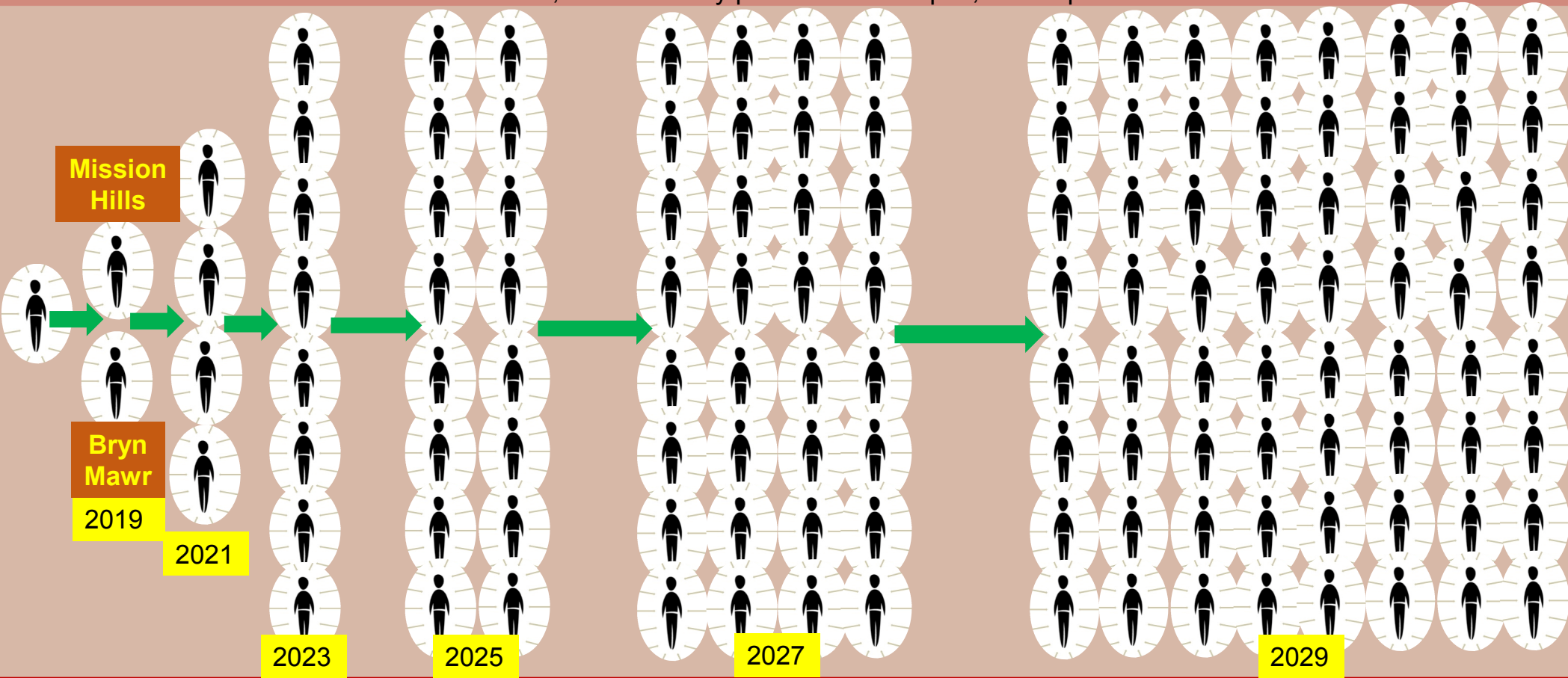
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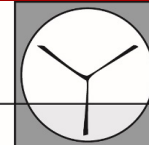
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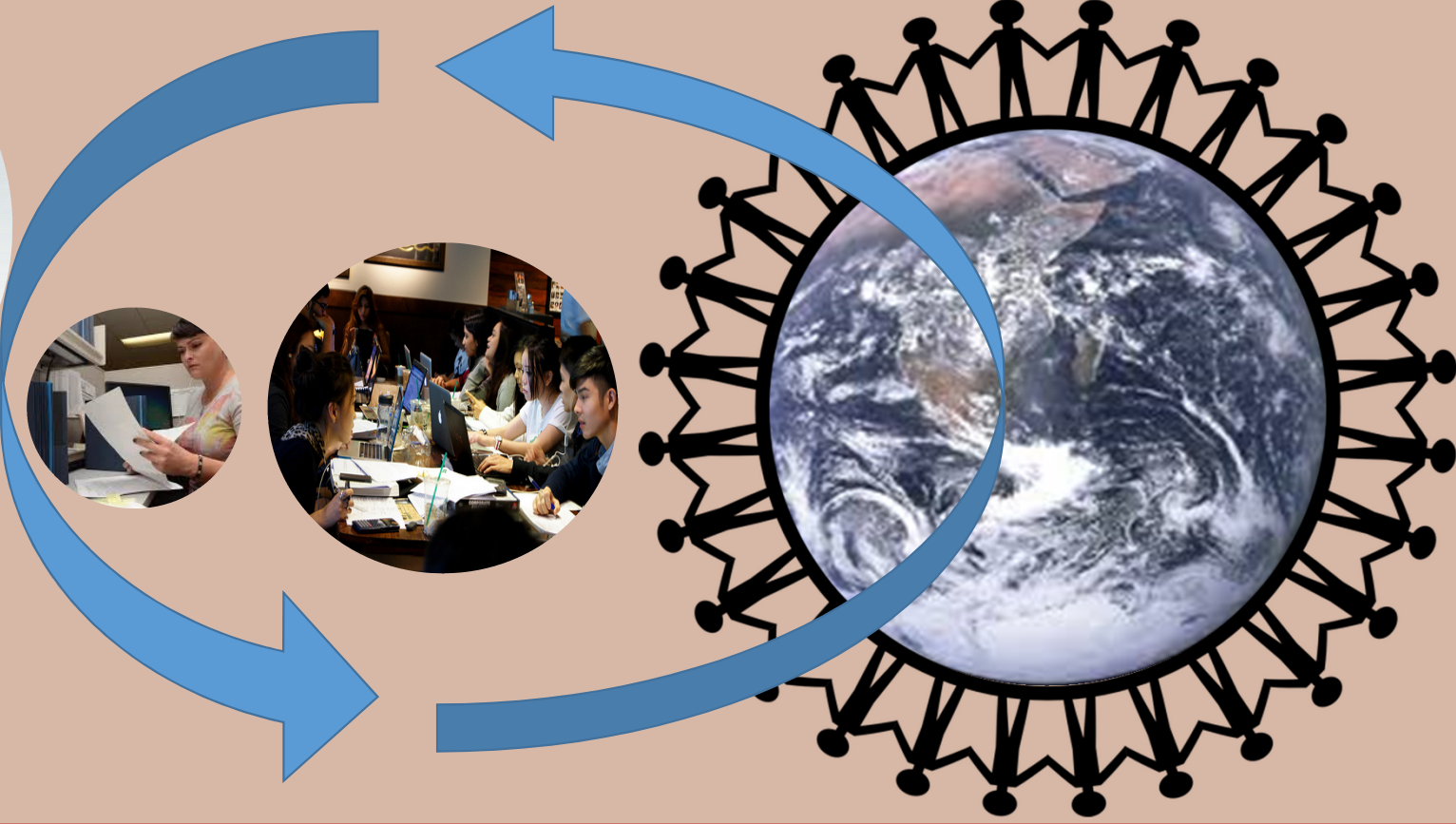
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Engineer 2.0

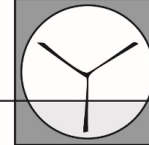
- Collaborates in teams all over the world
- Manages his projects also from a distance
- Acquires new skills via e-learning
- Participates in online communities of practise
- Always in touch with his work associates
- Using smartphones with Internet access
- Is updated for best practises via RSS
- Shares material from his projects
- Participates in voluntary movements
- Is an active proponent of participatory democracy

Icons include: Family, local community; Professional Groups Peers; Mass media; Congresses, video conferences; Microblogging; Social Bookmarking; Photo Sharing; Legislation regulations; Blogs; Social Networks; Skype MSN; ID; Social Networks; and a central figure holding a tablet.



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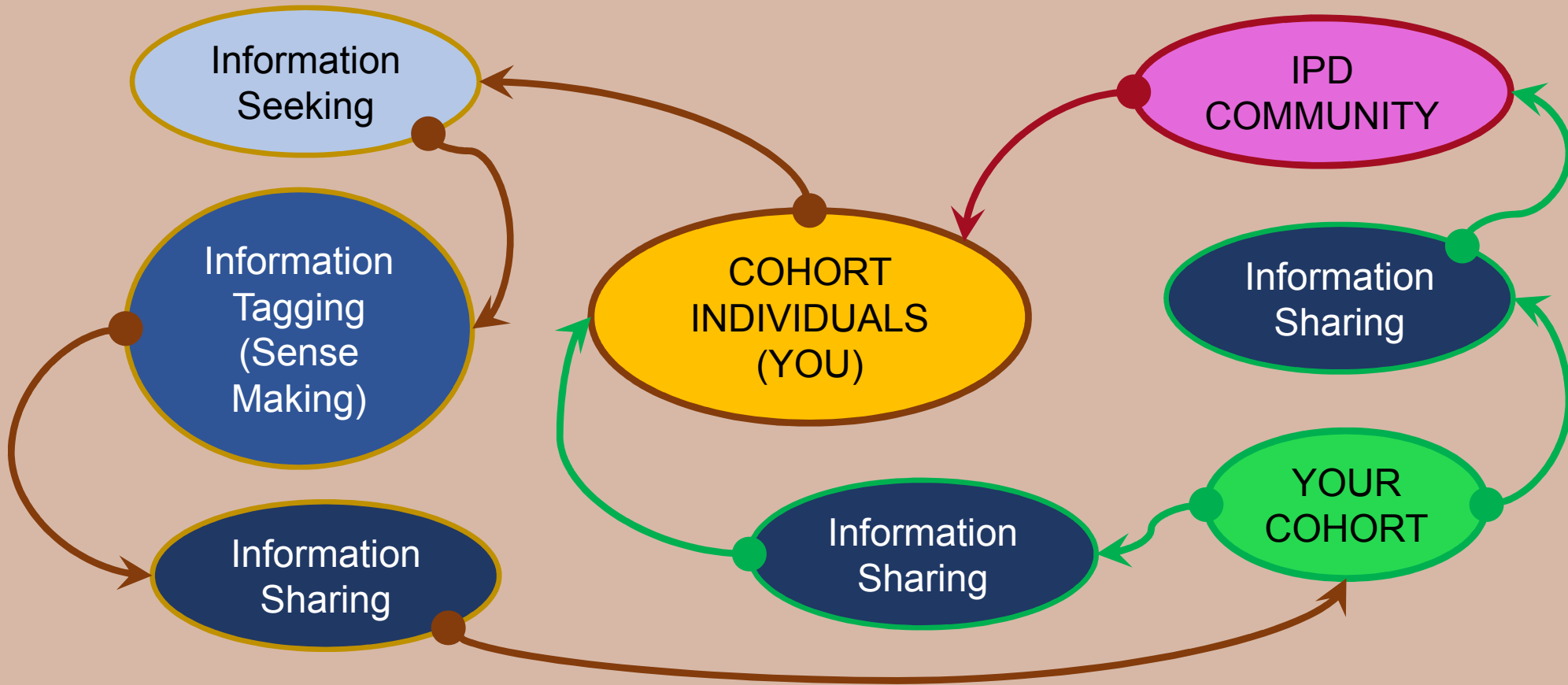
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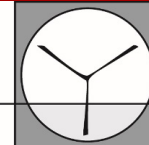
A new way of learning and doing

“Every once in a while, a new technology, an old problem, and a big idea turn into an innovation.” ~ Dean Kamen



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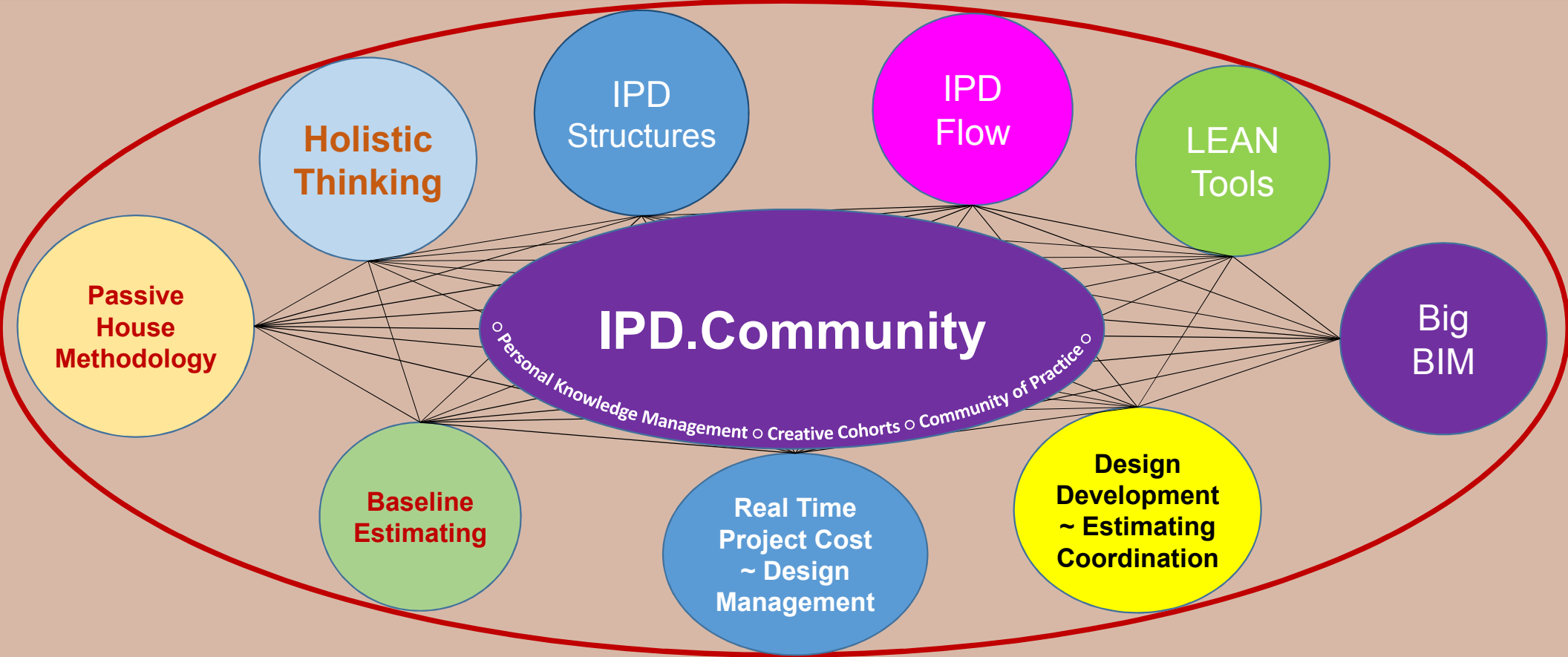
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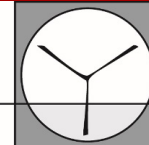
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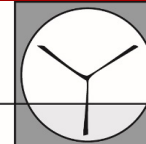
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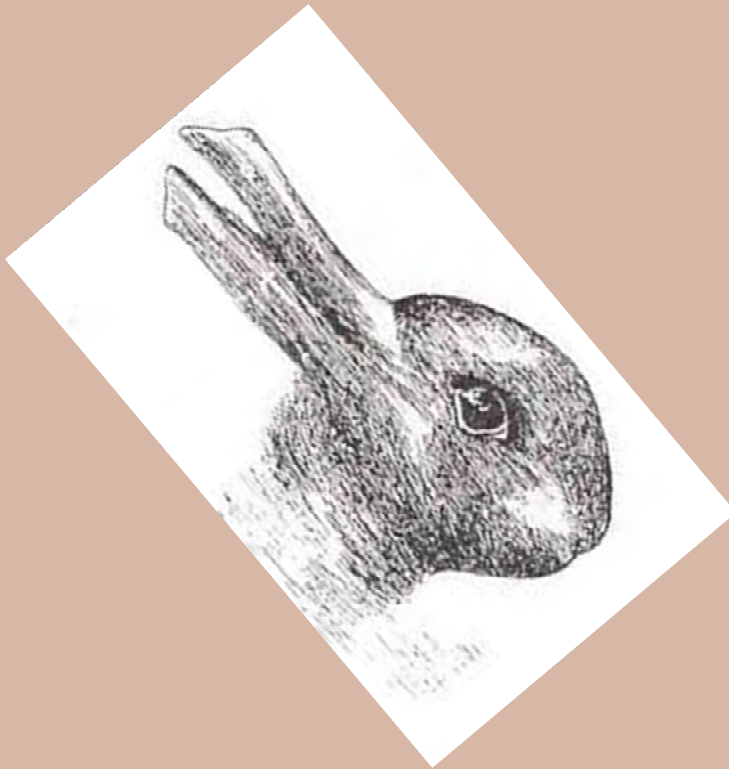
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Paradigm Shift

It is happening

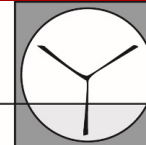


**KEEP
CALM
THERE'S A
PARADIGM
SHIFT
GOING ON**



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Vision 2020

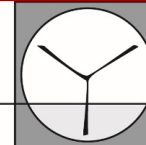
Originally written in 2007

Preface our political and development decisions on whether the impact will be a positive or negative one on the next generation's children..



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Questions & Contact



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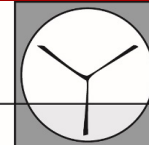
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