

Non-linear Idea Generation

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Idea^s

A republican named Donald once said

As we know, there are known knows; these are things we know we know.

A republican named Donald once said

As we know, there are known knows; these are things we know we know.

We also know there are known unknowns; that is to say we know there are some things we do not know.

A republican named Donald once said

As we know, there are known knows; these are things we know we know.

We also know there are known unknowns; that is to say we know there are some things we do not know.

But there are also unknown unknowns—the ones we don't know we don't know.

A republican named Donald once said

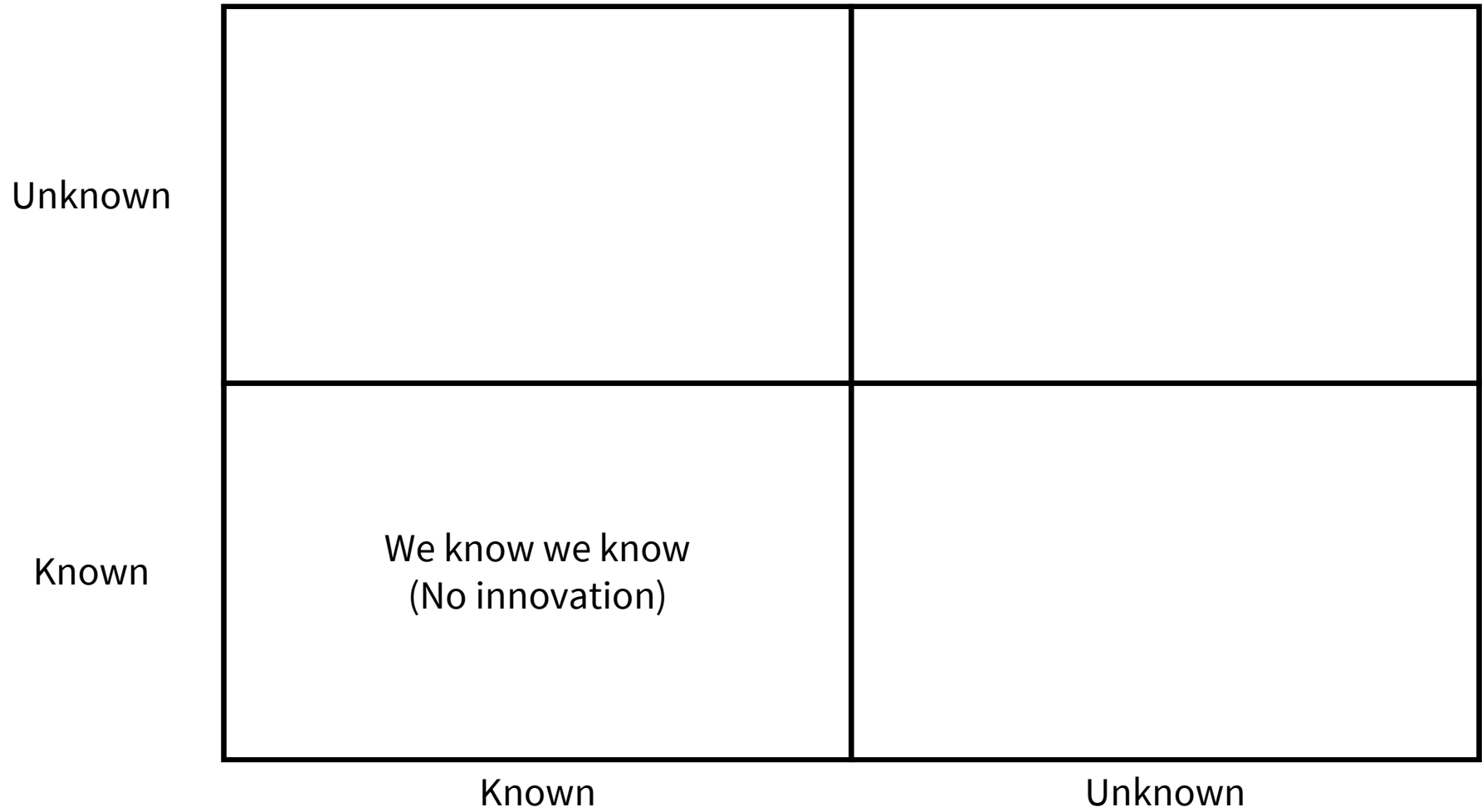
As we know, there are known knows; these are things we know we know.

We also know there are known unknowns; that is to say we know there are some things we do not know.

But there are also unknown unknowns—the ones we don't know we don't know.

Donald Rumsfeld, US Secretary of Defense, 2002

Unknown		
Known		
	Known	Unknown



Unknown		
Known	We know we know (No innovation)	We know we don't know (Incremental innovation)
	Known	Unknown

Unknown		We don't know we don't know (Breakthrough innovation)
Known	We know we know (No innovation)	We know we don't know (Incremental innovation)
	Known	Unknown

Unknown	?	We don't know we don't know (Breakthrough innovation)
Known	We know we know (No innovation)	We know we don't know (Incremental innovation)
	Known	Unknown

Unknown	We don't know we know (Paradigm shift)	We don't know we don't know (Breakthrough innovation)
Known	We know we know (No innovation)	We know we don't know (Incremental innovation)
	Known	Unknown

Unknown	We don't know we know (Paradigm shift)	We don't know we don't know (Breakthrough innovation)	
Known	We know we know (No innovation)	We know we don't know (Incremental innovation)	Where business as usual happens
	Known	Unknown	



Unknown

We don't know we know
(Paradigm shift)

We don't know we don't know
(Breakthrough innovation)

Where the magic happens



Known

We know we know
(No innovation)

We know we don't know
(Incremental innovation)

Where business as usual happens

Known

Unknown



Unknown

<p>We don't know we know (Paradigm shift)</p>	<p>We don't know we don't know (Breakthrough innovation)</p>
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Where the magic
happens



Idea^s

Paradigm shifts

Newtonian physics

Your bedroom

Taylor Swift album

Cow shit

Paradigm shifts

Newtonian physics → Relativistic physics

Your bedroom

Taylor Swift album

Cow shit

Paradigm shifts

Newtonian physics → Relativistic physics → Quantum mechanics

Your bedroom

Taylor Swift album

Cow shit

Paradigm shifts

Newtonian physics → Relativistic physics → Quantum mechanics

Your bedroom → Someone's hotel room (sharing economy)

Taylor Swift album

Cow shit

Paradigm shifts

Newtonian physics → Relativistic physics → Quantum mechanics

Your bedroom → Someone's hotel room (sharing economy)

Taylor Swift album → On-demand music (servitization)

Cow shit

Paradigm shifts

Newtonian physics → Relativistic physics → Quantum mechanics

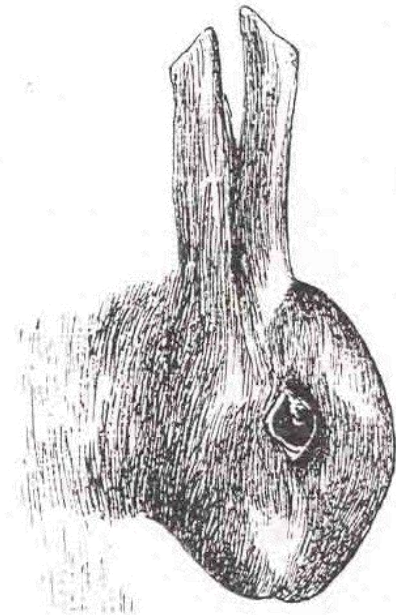
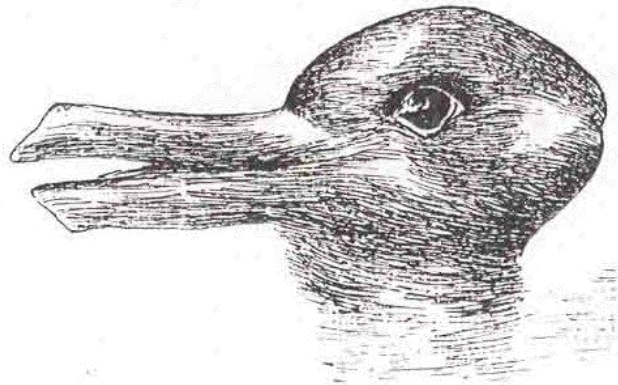
Your bedroom → Someone's hotel room (sharing economy)

Taylor Swift album → On-demand music (servitization)

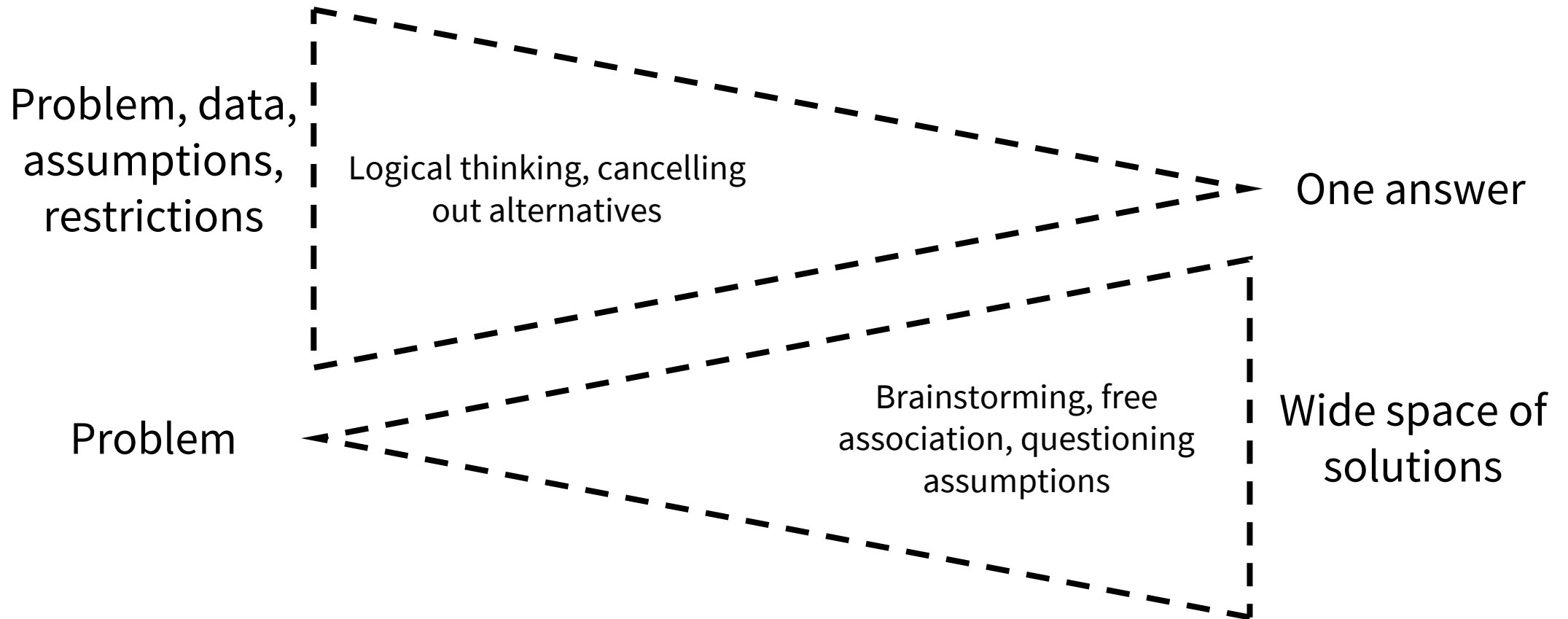
Cow shit → Building material (circular economy/frugal innovation)

How to shift your paradigm?

- A paradigm shift in your business or project requires often a paradigm shift in your thinking
- Our education system teaches us to think logically. However, sometimes coming up with transformative ideas requires thinking laterally.



Achieving paradigm shift through lateral thinking



Plan a holiday!

1. Pick a pair for you
2. Start planning a holiday. One gives suggestions, the other replies “yes, but...” to each suggestion
3. See where you end up in one minute

Plan an innovative holiday!

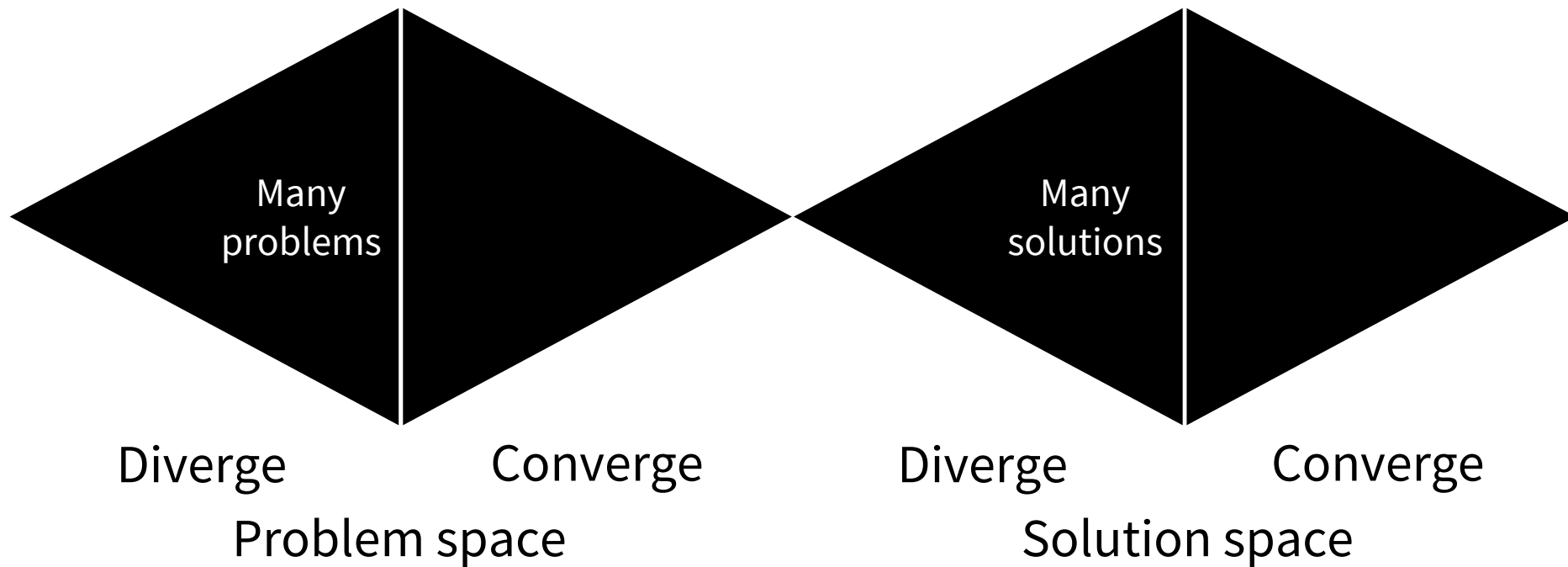
1. Pick a pair for you
2. Start planning a holiday. One gives suggestions, the other replies “yes, and...” to each suggestion
3. See where you end up in one minute

Methods_1: Suspending judgement

Yes, but... Yes, and...



Methods_2: Diverging sessions



The “design thinking double diamond”

Methods_3: Reversal



Unknown

<p>We don't know we know (Paradigm shift)</p>	<p>We don't know we don't know (Breakthrough innovation)</p>
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Where the magic
happens



Curiosity sparks breakthrough innovation

1. First *imagine*, and then create the world in which we want to live
2. Don't be afraid to be wrong
3. Seek to actively question and break assumptions

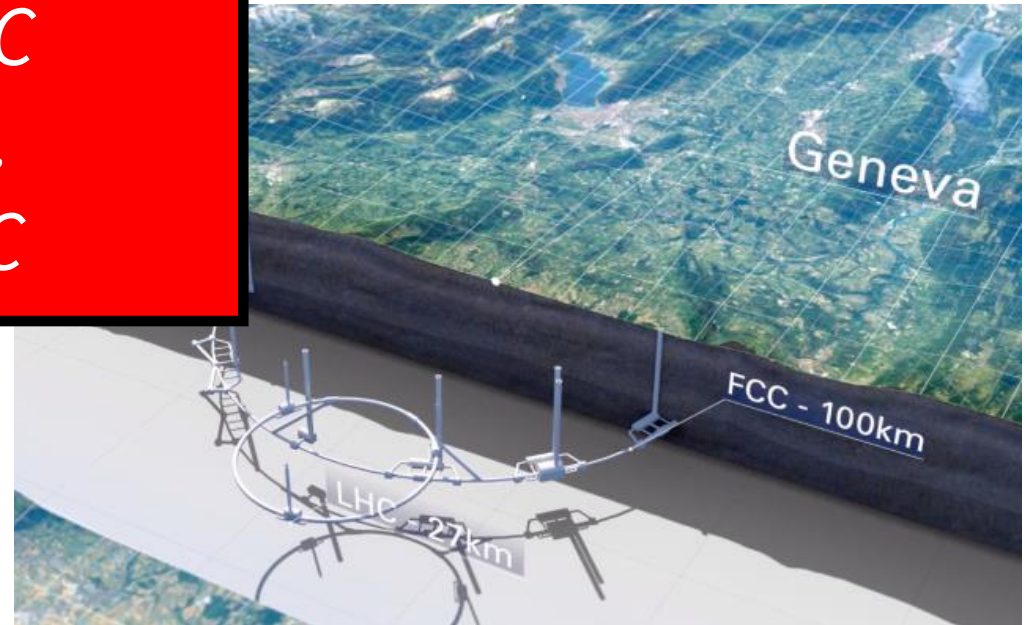
Methods_4: Scenario building



Methods_5: Parallel processes



CLIC
VS.
FCC



Methods_6: Random variable addition



Lateral thinking

Logical thinking

One is looking for the BEST POSSIBLE approach.

One stops when one comes to a promising approach.

One works within the constrained box of familiarity

One considers only reasonable alternatives.

Lateral thinking

One is trying to produce as MANY ALTERNATIVES as possible.

One acknowledges the promising approach and may return to it later but goes on to generating others.

One explores new boxes and possibilities

One entertains also crazy ideas

Methods

Starting with quantity over quality

Parallel processes, internal competition

Scenario building, random variable addition

Refrain judgement (“yes, and...” NOT “yes, but”);

