a tour of emergent learnings…

Simply complicated complex and chaotic…

Adaptation to Climate Change (M&E)…

Raw, Rustic and Real
Sushil Bajpai, WOTR
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Sushil.bajpai@gmail.com

A BREATH OF FRESH AIR

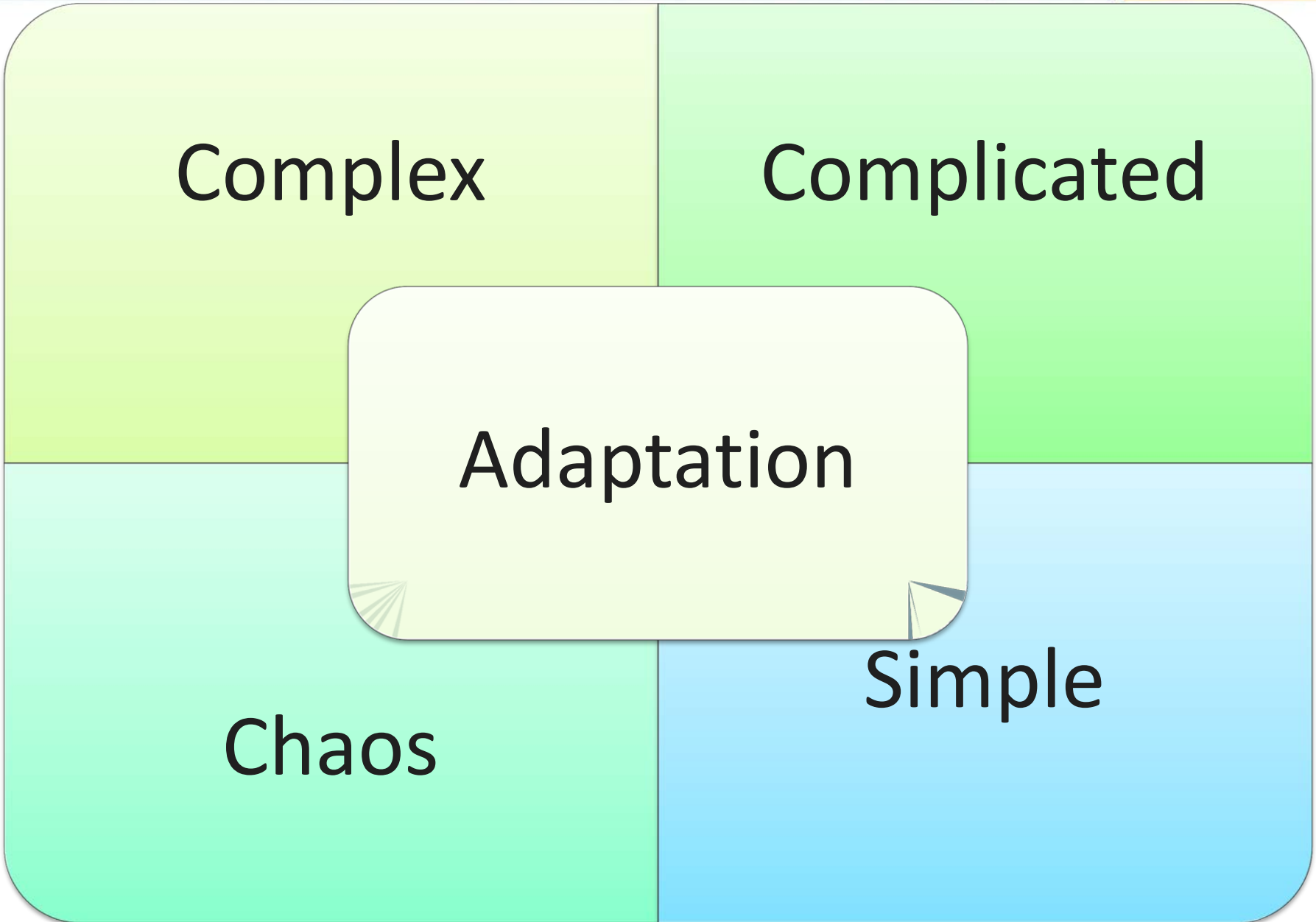
The Agenda

- Challenges
- Design
- M&E

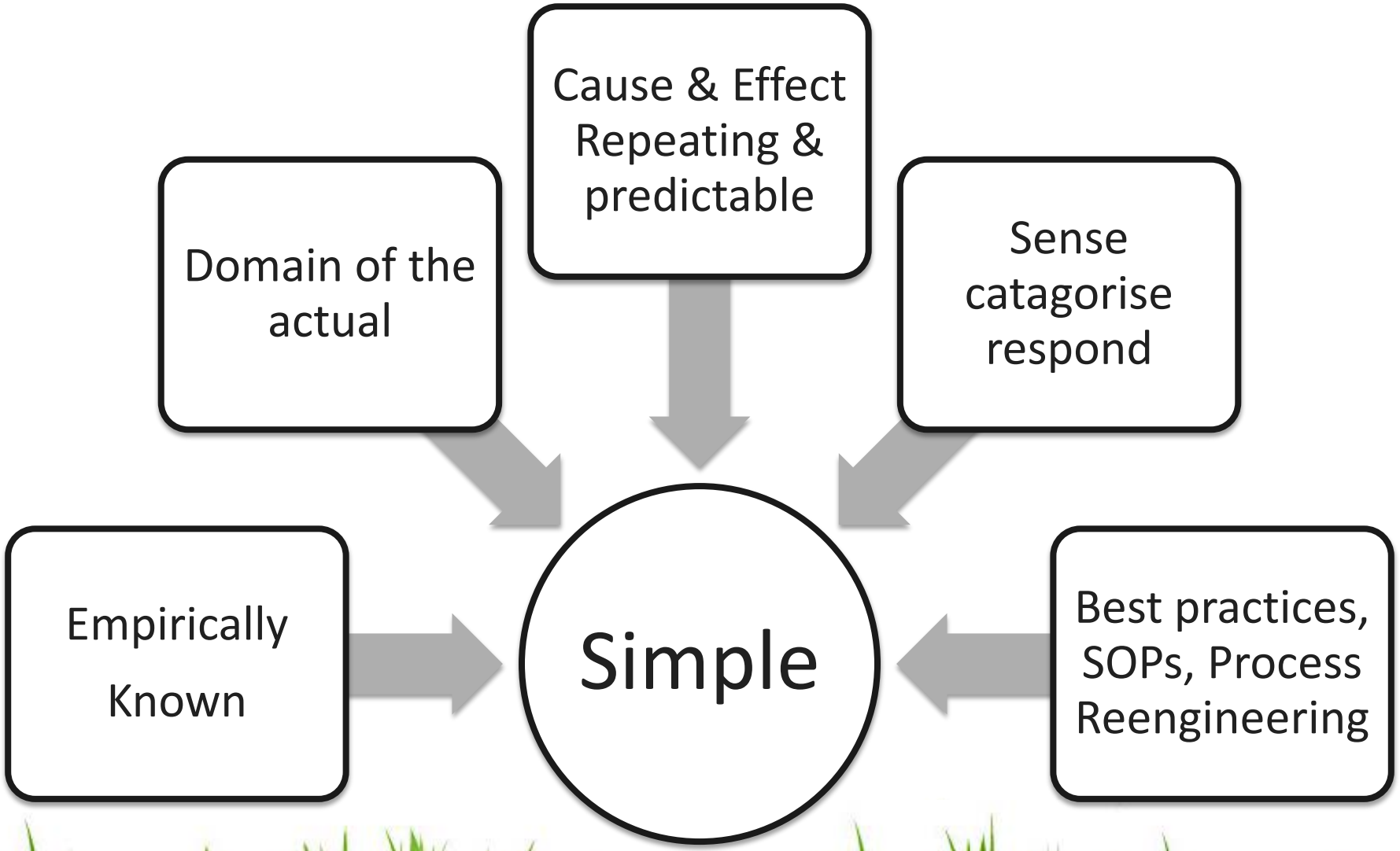
THE THEORY OF CHANGE?

A quick overview

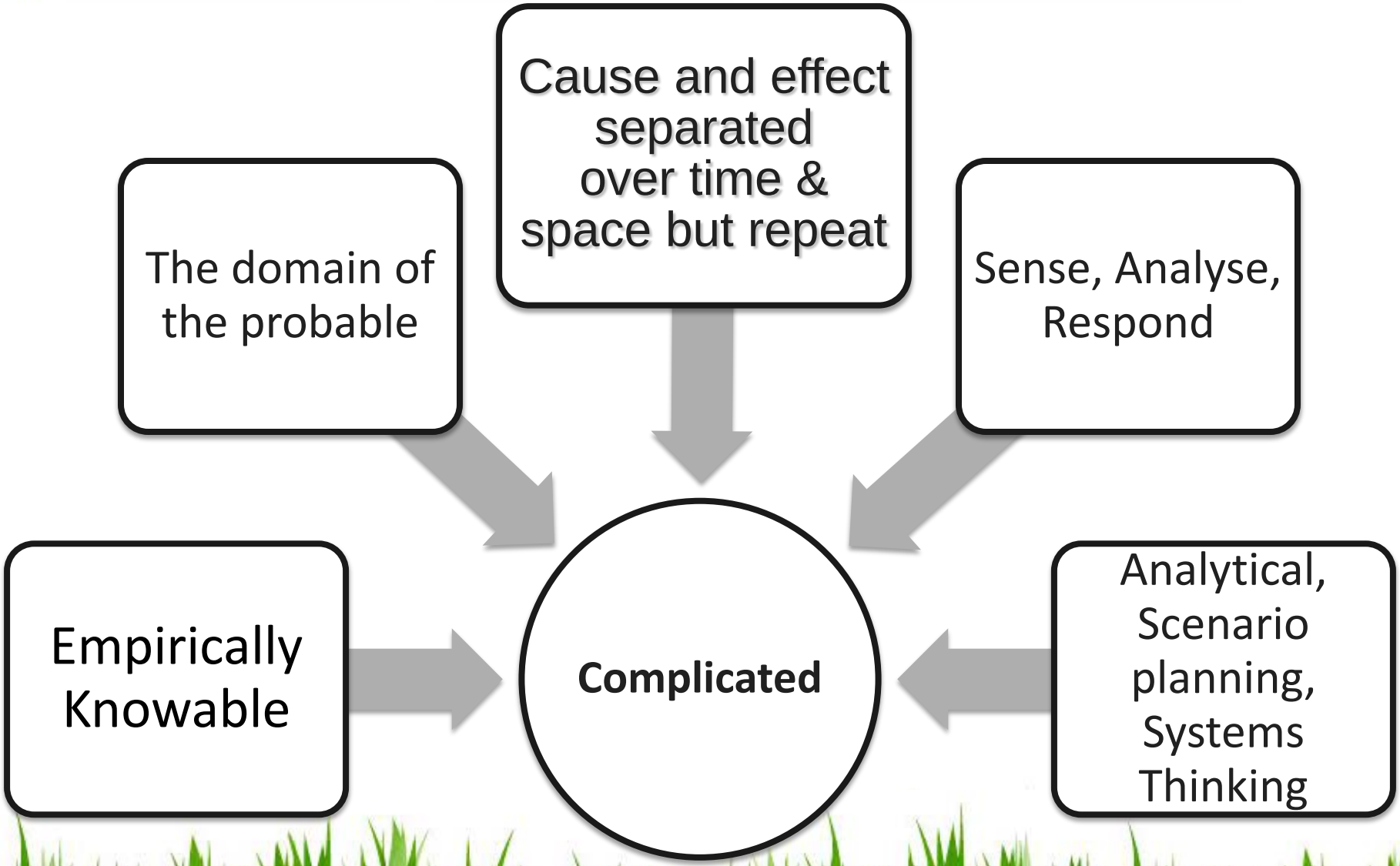
Simply complicated and Complex…



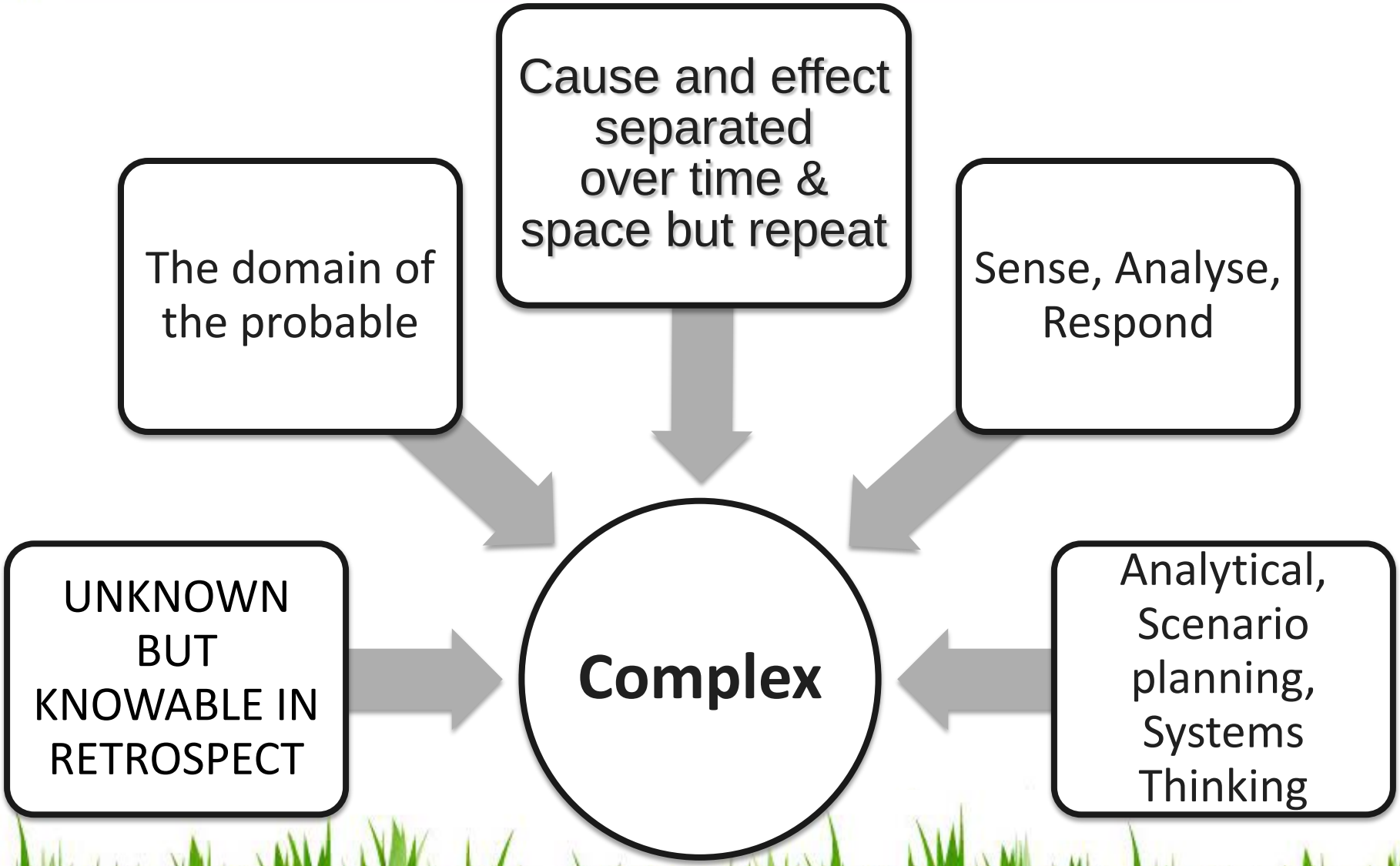
There are issues that are simple



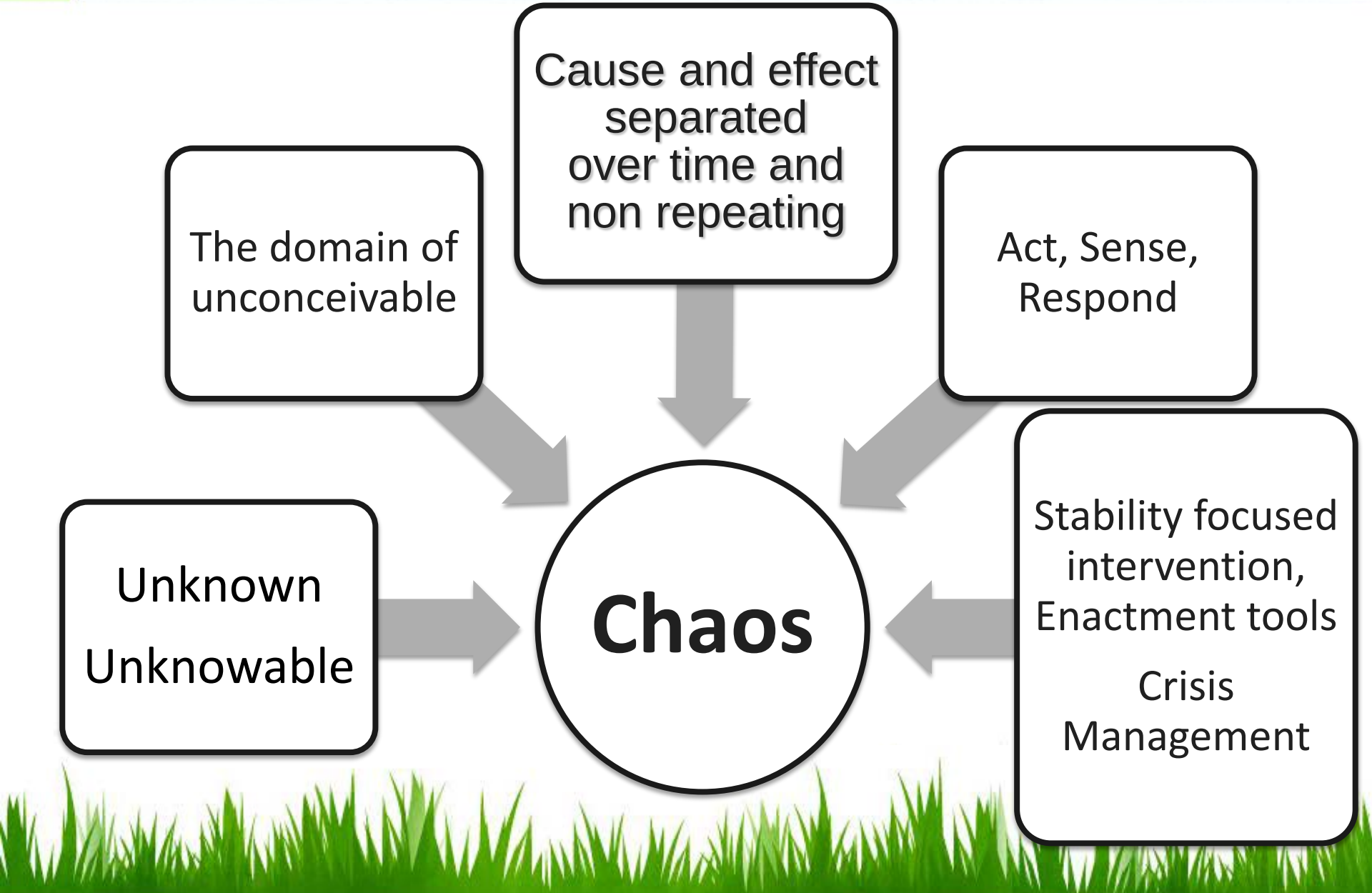
Soon we stumble upon the complicated



And confront the complexity



Needing Charismatic and decisive action



Contextualized Diagnostics

Simple	Compiicated	Complex	Chaos
We can teach people how to do things very quickly and ensure compliance	We have learnt how to solve this problem and are now in a stable situation	Every time we think we have solved the problem it returns in a different form	This is a new situation in which we no previous experience and have no reflective time
We control the space and can determine behaviour	***We have been here before and any deviations are readily understood***	***Minor, troublesome events occur but are easily rationalised***	***Something completely unexpected at this time***
Any diagnostic is a simple check against predetermined criteria	**Diagnostics can be separated from intervention**	**Diagnostics are interventions – they influence the patterns**	**There is no time or need for any diagnostic**

Contextualised Interventions

Simple	Complicated	Complex	Chaos
Standard process with review cycle & clear measures	Analytical techniques to determine facts and option range	**Multiple small and diverse interventions to create options**	Single or multi point attractor(s) to stabilise situation
Establish indicators to prevent catastrophic failure	*Create ritual/cyclical process to prevent entrainment of expertise*	*Always have an exit strategy to the ordered domains for exploitation*	*Avoid creating long term dependency on single attractor*
SENSE – CATEGORISE - RESPOND	SENSE – ANALYSE - RESPOND	PROBE – SENSE - RESPOND	ACT – SENSE - RESPOND

Contextualised Tools for M&E

Simple	Complicated	Complex	Chaos
LFA	LFA		
P3DM + GIS	P3DM + GIS	P3DM + GIS	P3DM + GIS
LM3	LM3	LM3	
CASDAAT	CASDAAT	CSDAAT	
VAT	VAT	VAT	
INDICATORS DESIRABLE	INDICATIONS + INDICATORS	INDICATIONS OF SUCCESS & FAILURES	STRONG ENLIGHTENED LEADERSHIP!!!
EMPERICAL VALIDATION	EMPERICAL + ANECDOTAL VALIDATION	QUICK & FUZZY SENSEMAKING THRU	
BEST PRACTICES DOCUMENTED & REPLICATED	GOOD PRACTICES DOCUMENTED & UPSCALED	CELEBRATE SUCCES (AMPLIFY), LEARN FROM FAILURES	GET IT BACK TO COMPLEX

FROM FAIL SAFE TO SAFE FAIL

PRE CLIMATE CHANGE PARADIGM	SINKING REALITY CHANGES PARADIGM
FUTURE SUBSTANTIALLY LIKE PAST	FUTURE INCREASINGLY UNLIKE PAST
STATISTICAL ANALYSIS VALID	STATISTICAL ANALYSIS INVALID
STRUCTURES DESIGNED TO TACKLE KNOWN PAST EXTREMES – **FAIL SAFE**	STRUCTURES DESIGNED FOR UNKNOWN FUTURE **– SAFE FAIL**
LETS FIGURE OUT THE **INDICATORS OBSERVABLE AND MESAUREABLE**	**INDICATIONS** ARE THE WAY TO GO **OBSERVABLE BUT NOT MEASURABLE**
MORE SUCCESSES THAN FAILURES	**MORE FAILURES** THAN SUCCESSES
• WE DOCUMENT SUCCESSES WITH INTENT TO REPLICATE AND LEARN • DISCARD FAILURES.	• SUCCESSES NOT EASILY REPLICABLE. • YET WE DOCUMENTS SUCCESSES TO CELEBRATE AND MOTIVATE • WE DOCUMENT FAILURES TO LEARN. • OUR SUCCESSES ARE THE FAILURES FROM WHICH WE LEARN

CHALLENGES FOR RESEARCH

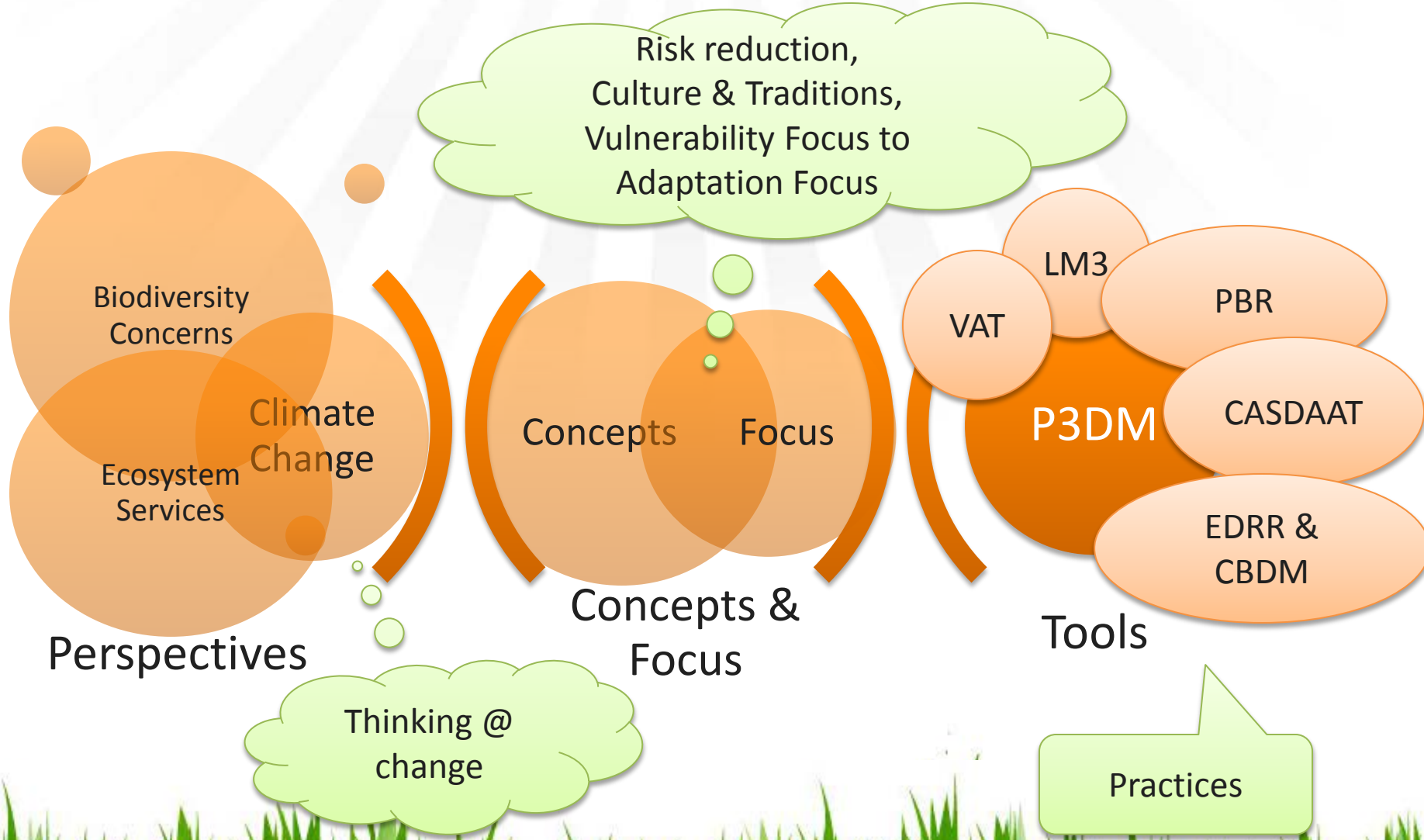
PRE-CC PARADIGM	CC ADJUSTED PARADIGM
HYPOTHESIS: DO A & B AND C & D (OUTPUT) WILL HAPPEN LEADING TO E&F (OUTCOME) – **PROVIDING NOTHING OUTSIDE CHANGES**	**OOPS: CETERIS PARIBUS!!** **ARE YOU OK?** WE ARE EMBEDDED IN CHANGE.
FEW EXPENSIVE EXPERIMENTS	**NUMEROUS SAFE PROBES CREATE CHOICES**
EXPERT RESEARCHER (AUTHOR) - DISINTERESTED, NEUTRAL - MEASURE & ANALYSE - RECOMMENDS & PRESCRIBES - SERENDIPITY ASSIDUOUSLY IGNORED - AMBIGUITY UNWELCOME	**COMMON PERSON AS REASERCHER** - VERY INTERESTED IN OUTCOMES - AMPLIFY SUCCES, RECOVER SAFELY FROM FAILURES - TOLERATES AMBIGUITY - WELCOMES SERENDIPTY
PROVE TO FUNDERS, SCIENTISTS, REVIEWERS	**LEARN TO ADAPT**, EXCHANGE STORIES AND ANECDOTES, SENSE & ADAPT
RESULTS REPORTED TO FARMER IN A DISTANT FUTURE WHEN EVERYTHING HAS CHANGED	COMMUNITY CONTINUOSLY LEARNS TO ADAPT. SOME PROBES SUCCEED, OTHERS SAFELY RECOVER.
MONITORING: LFA & MAINLY EXTERNAL	**MONITORING: SELF & CONTINUOS**

SAFE FAIL PROBES LIFE CYCLE:

OBECTIVE/GOAL:	
DESCRIPTION & ACTIVITIES:	
INDICATIONS OF SUCCESS: 1. 2. 3.	**INDICATIONS OF FAILURES** 1. 2. 3.
AMPLIFICATION STRATEGY	STRATEGY FOR SAFE RECOVERY
HAVE A PARTY MOTIVATE	DOCUMENT, LEARN & DISSEMINATE

Knowledge management

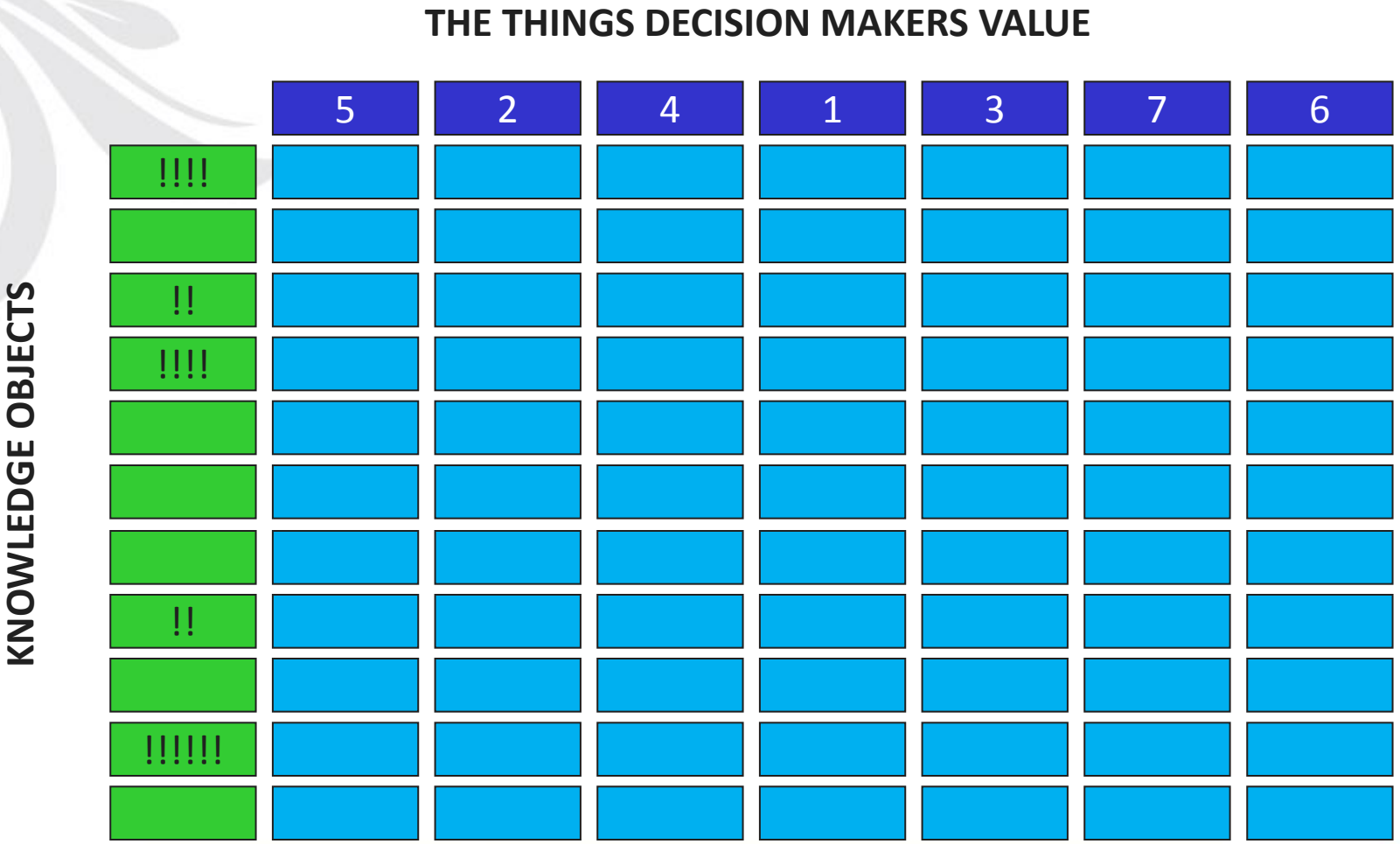
Adapting to Climate Change…



DOCUMENT, MONITOR, LEARN …

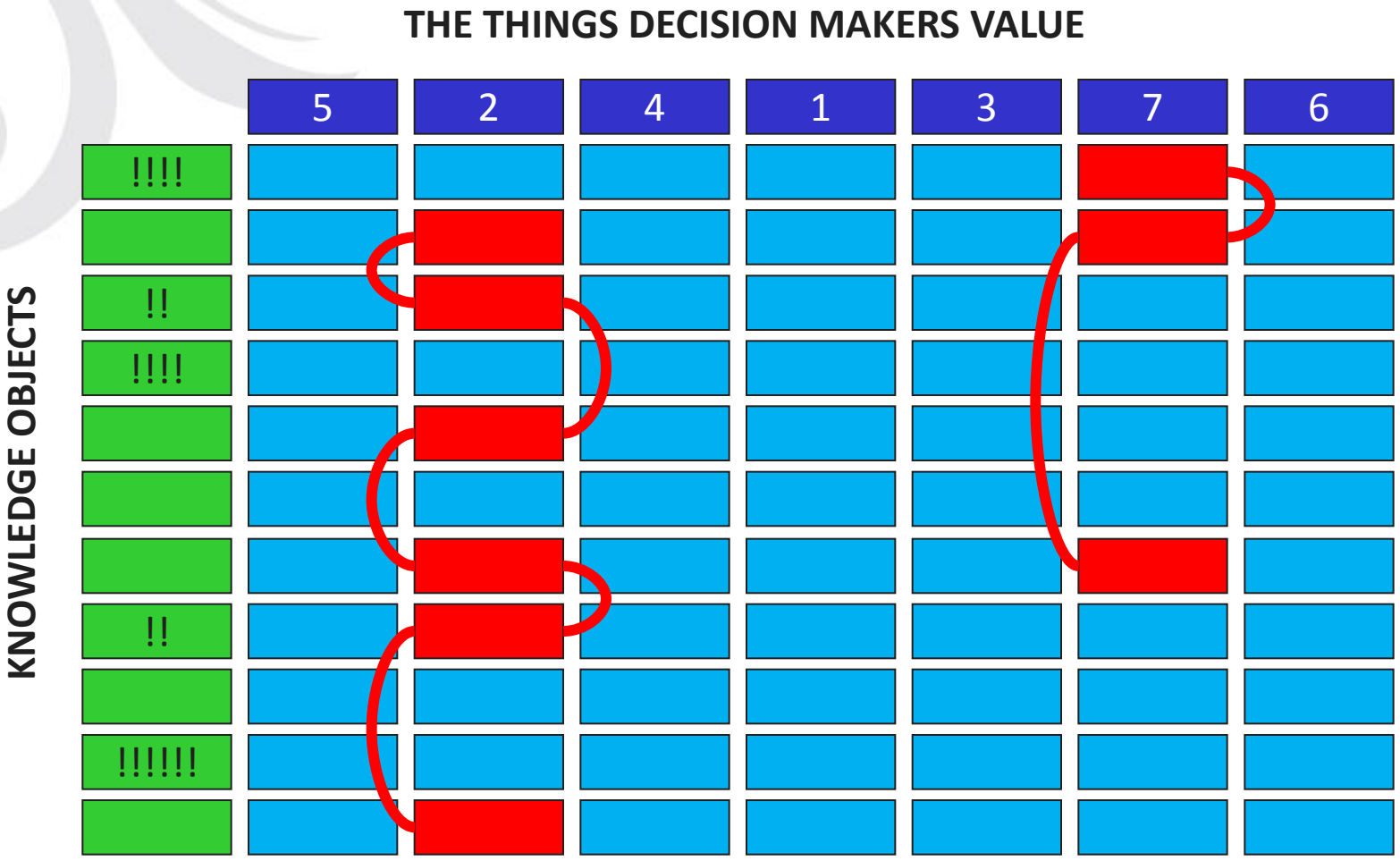
A quick overview

Knowledge Project Matrix



Knowledge Project Matrix

easy to sell, hard to implement



Knowledge Project Matrix

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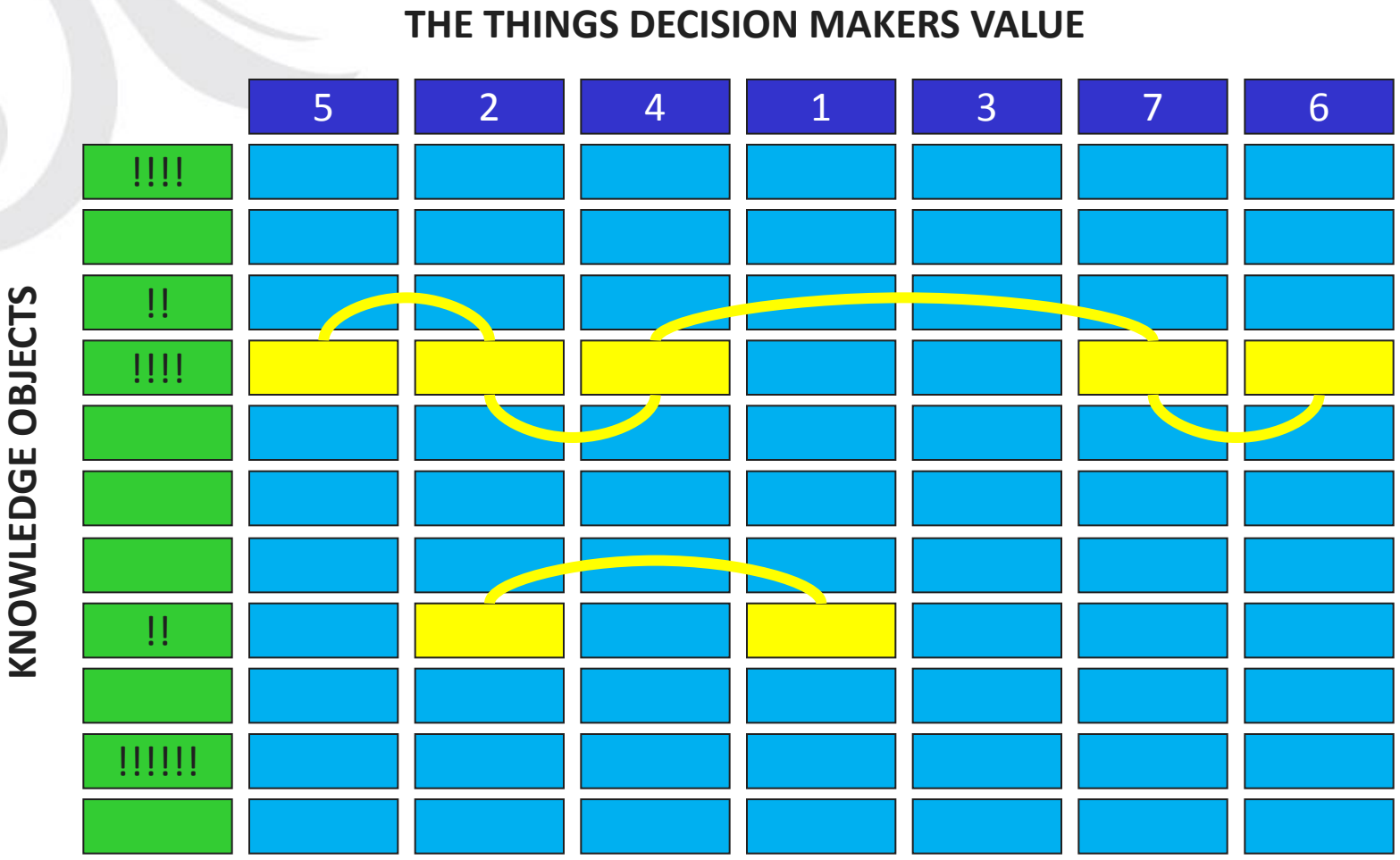
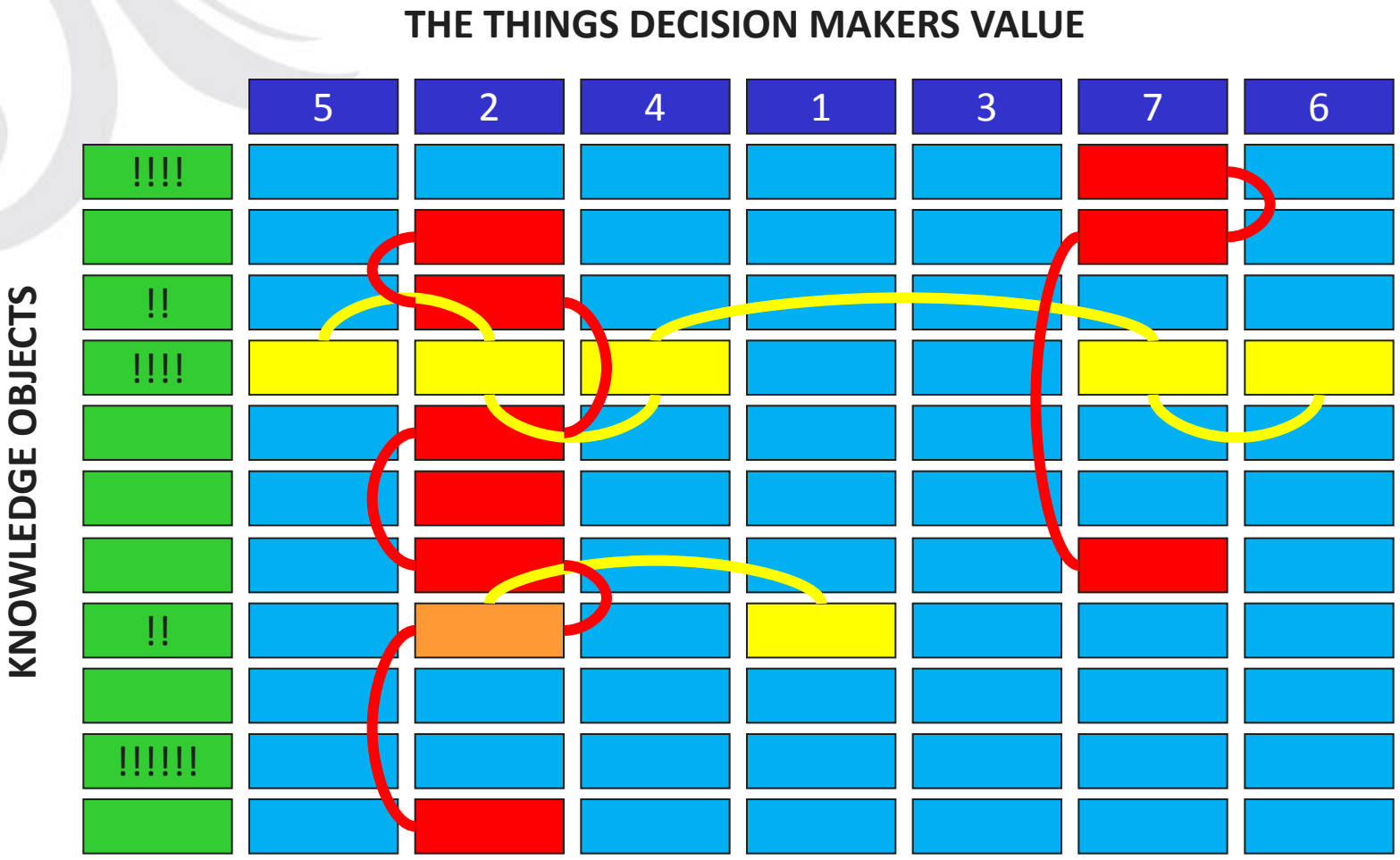


Knowledge Project Matrix
a portfolio of knowledge projects



Interim Outputs and Outcomes

Documents

- 26+ studies
- 200+ paintings
- 10000+ photos
- 12+ films
- 50+ Newspaper Articles

Practices

- Ecosystem Services
- Food security
- Local Seeds & Breeds
- Livelihoods
- ECBDM + CBDM

Action

- P3DM (P-GIS)
- VAT (Vulnerability)
- CASDAT (Livelihoods)
- PBR (Biodiversity)
- LM3 (Local Economy)

Strategy and the March Forward

Clear strategy for every step of the way

It’s not just about the M & E, but strengthening

ABILITY TO ADAPT…

Raw, Rustic & Real

With support of and in partnership with…

Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Embassy of Switzerland in India