

TIAS Webinar

The Principles and Practice of Applying Integrated Assessment to the SDGs

Hosted by The Integrated Assessment Society (TIAS) & the Institute of Environmental Systems Research, Osnabrück University, in collaboration with Central European University, UN Department for Economic and Social Affairs, University of Québec in Chicoutimi and the International Institute for Sustainable Development

14 June 2018, 13:00 – 15:00 GMT

UNITED NATIONS



NATIONS UNIES

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Outline

- Observations on integrated SDGs
 - What is happening
 - How it is doing
 - Lessons being learned
- Some DESA Efforts
 - Methodology and tools
 - What's next

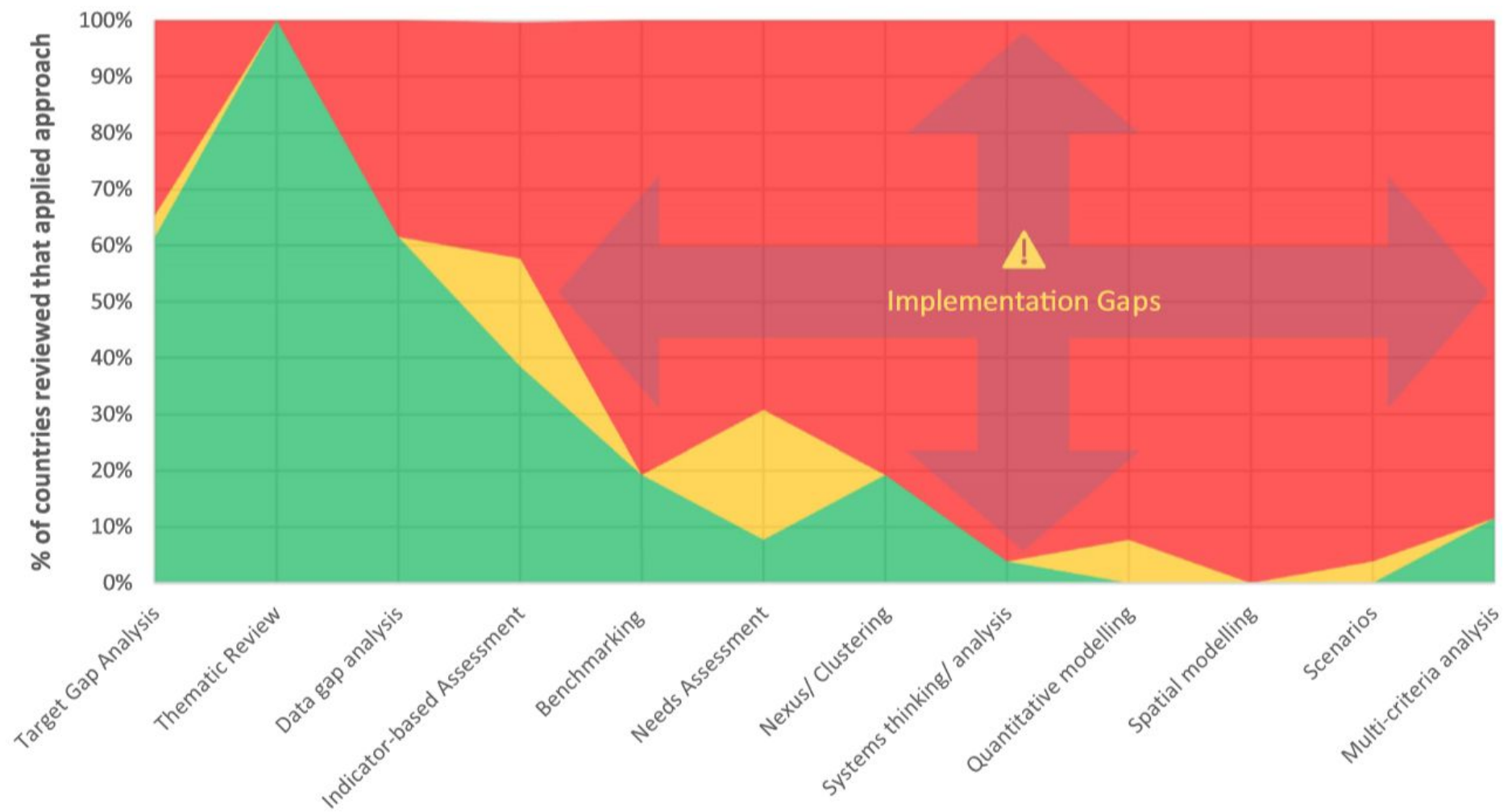


Fig. 3 Country application of evidence- and science-based approaches to SDG implementation

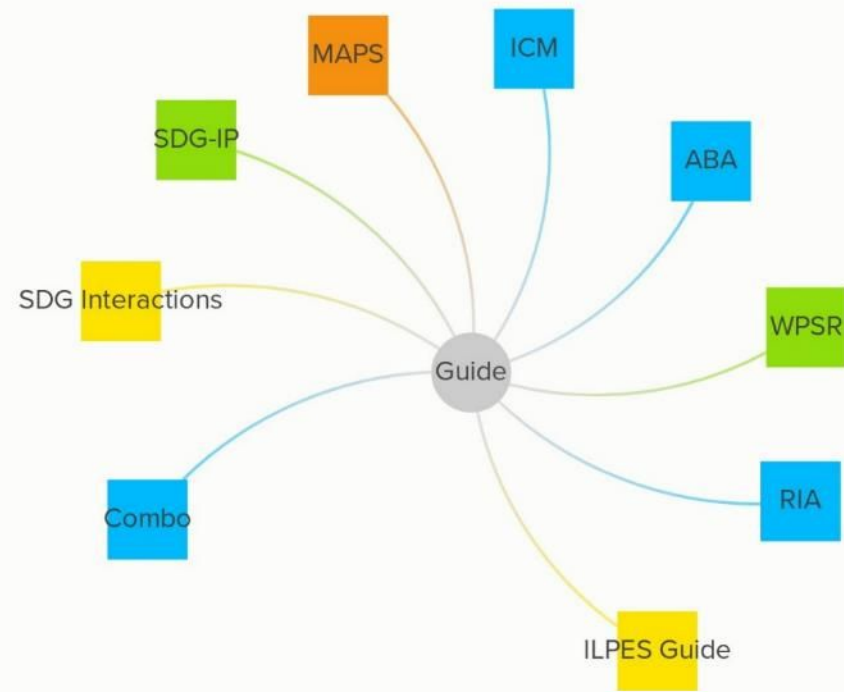
■ Good coverage ■ Partial coverage ■ Poor coverage

Source: Allen, Cameron, Graciela Metternicht, Thomas Wiedmann, 2018, Initial Progress in Implementing the Sustainable Development Goals (SDGs): a review of evidence from countries, [Sustainability Science](#).

We are Starting

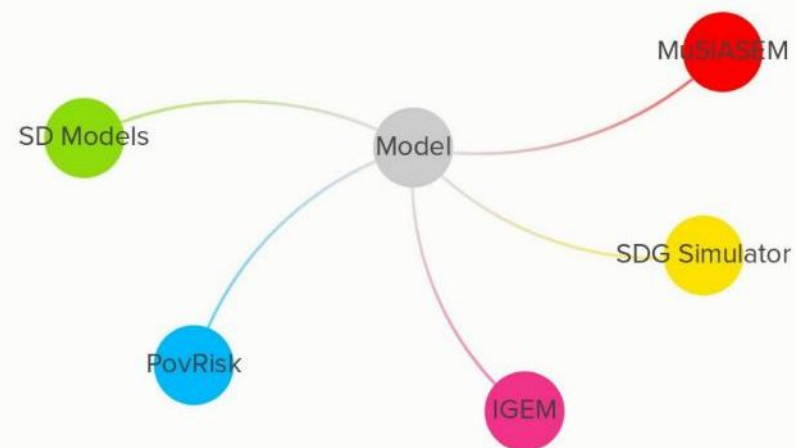
- Different Countries
 - Belize, Costa Rica, Ethiopia, Guatemala, Honduras...
- Various Methodologies
 - DESA, ECLAC, UNDP, UNEP...
 - iSDG, IFDD, Heraklit, Eidos...

Some UN Initiatives



Legend

- UNDP
- Regional Commissions
- UNDESA
- UNDG
- FAO
- UNEP

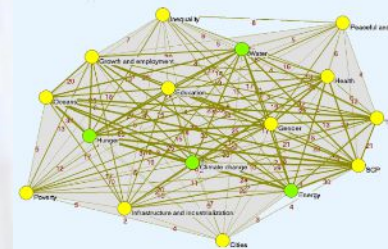


UN Initiatives – Advances

- Recognise SDG as a system
- Operationalise IA
 - Engage stakeholders
 - Decomartmentalise sectors
 - Cover critical nexus
 - Computable general equilibrium models
 - Social accountability matrix
- Propose integrated policies
- Encourage authorities to collaborate

UN Initiatives – Weaknesses

- SDG Blinkers
 - *SD Objectives* = incomplete dynamics
- Positivistic delusion
 - 28 392 relations...
- Precarious models
 - Speculative in long-term
 - Particularly with changing paradigms
- Limited usability
 - IA = strategic reform \neq Ph.D. dissertation...



$$N_{links} = \frac{n^2 - n}{2}$$

**= 14 196 links
for 169 targets**

UN Initiatives – Gaps



Causality Analysis

- Factors: obstacles and accelerators



Feedback Loops

- Amplification: virtuous or vicious
- Stabilisation: balancing or stagnating
- Leverage points for interventions



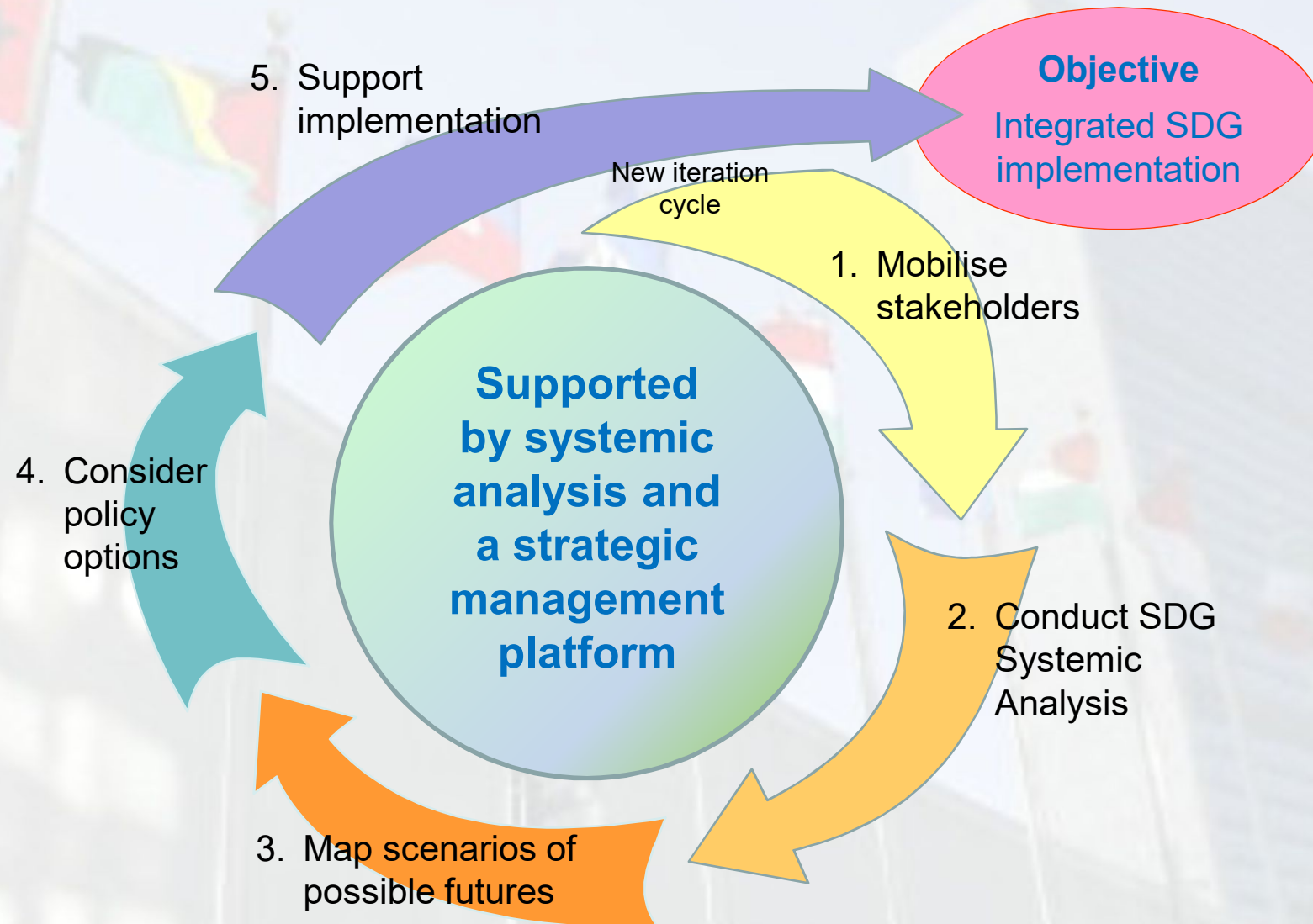
Coherency Analysis

- Between response options
- Between strategies and scenarios

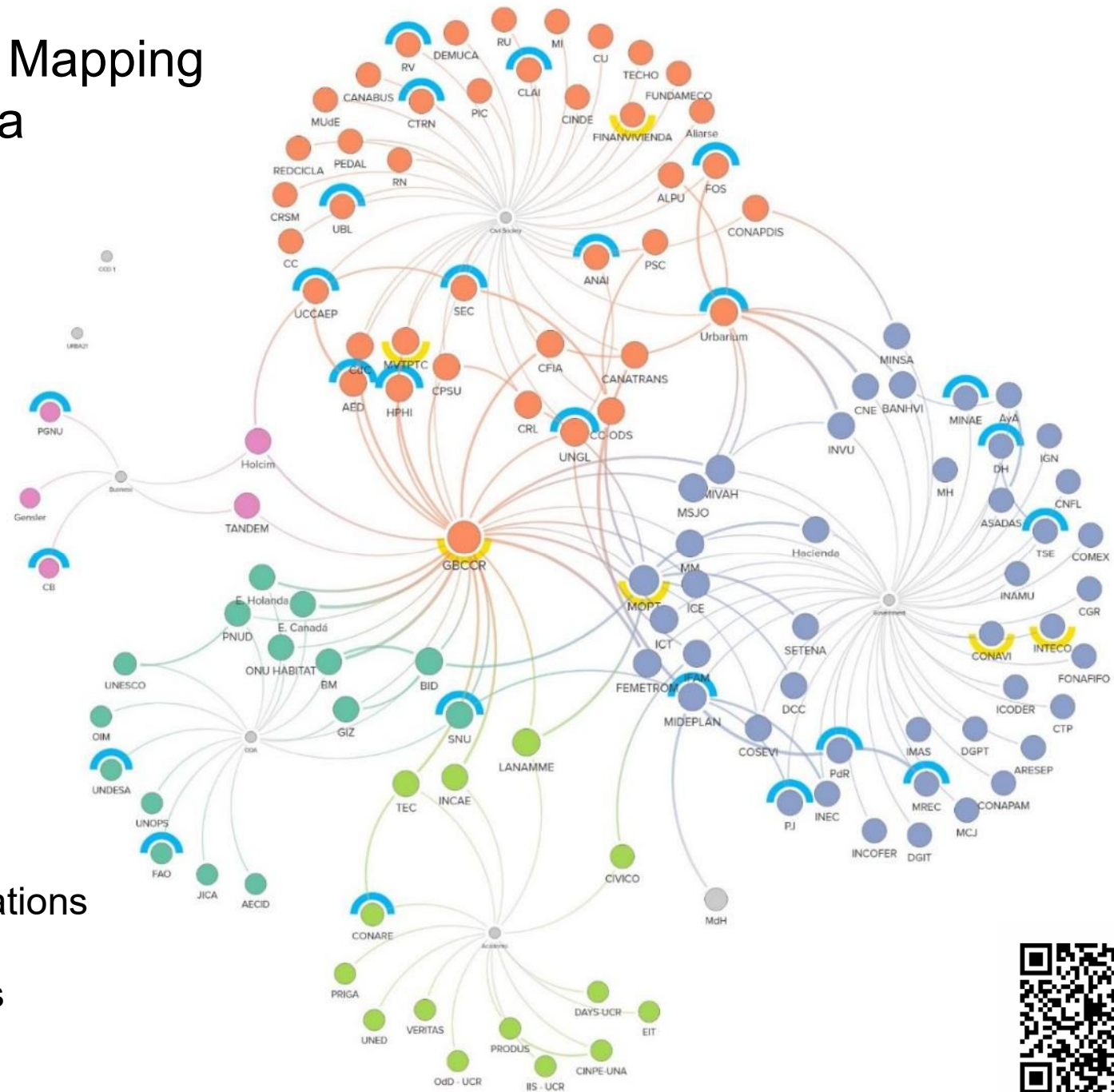
Lessons being Learned

- The Expectable
 - Engagement is difficult
 - System analysis is complicated
 - Old habits (and paradigms) die hard
 - Facing power remains uncomfortable
- The Surprising
 - System dynamics can also be intuitive
 - But benefits from expert guidance
- Start qualitatively, with *entry points*

Common 5-step Procedure



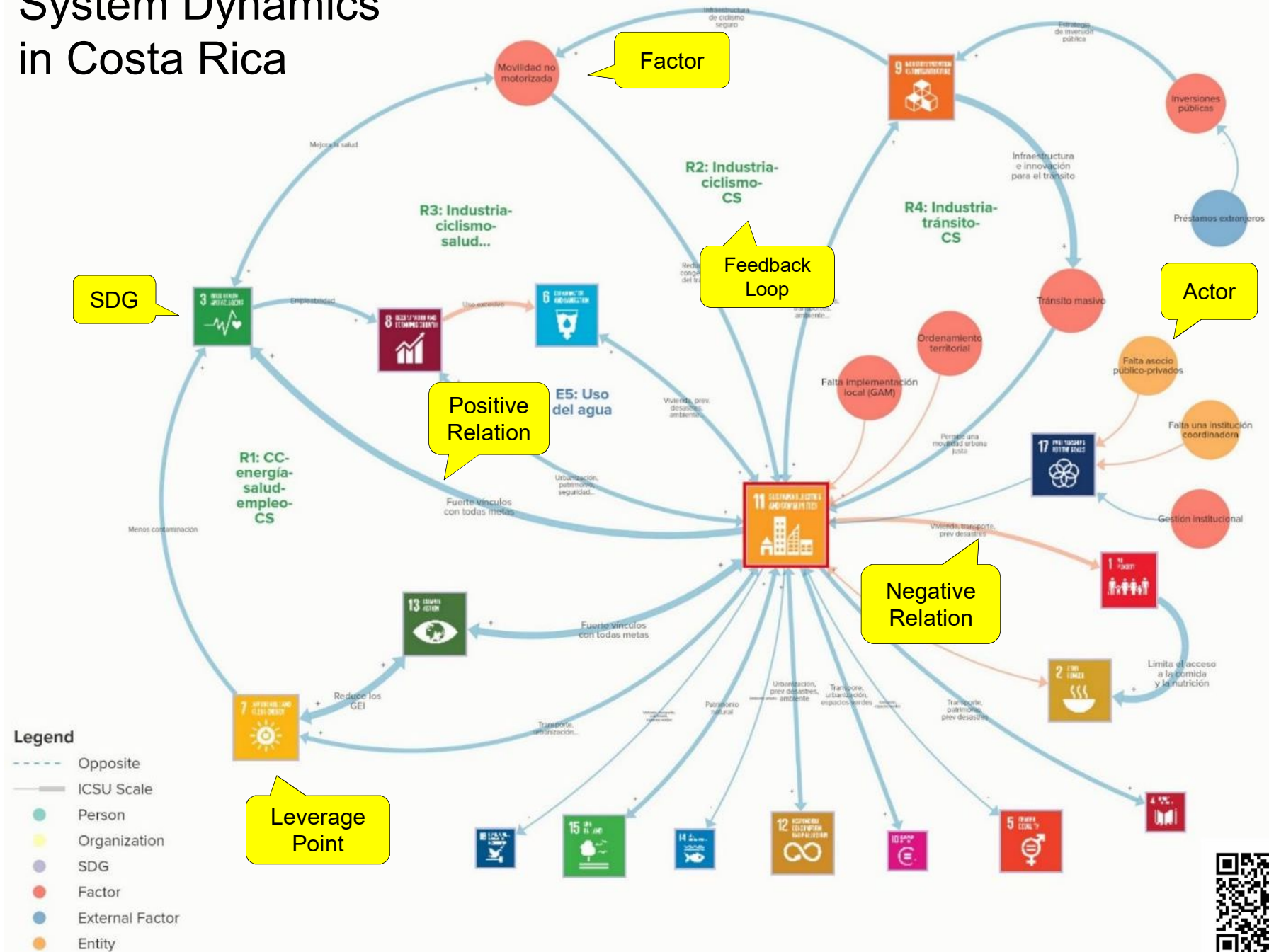
Stakeholder Mapping in Costa Rica



- 121 organisations
- 69 relations
- 359 interests
- 5 groups



System Dynamics in Costa Rica





Sustainable Development Integrat

Step 1 - Engagement

Step 2 - Analysis

Step 3 - Scenarios

Step 4 - Strategies

Step 5 - Implementation

A step-by-step guide to
integrated SDG policies
for all stakeholders

Non-functional
Prototype
For Demo Only



Step by
step

Step 3 - Mapping Scenarios of Possible Futures

Once completed, the analysis of the system dynamics will provide details on actors, interests and causal links directions, strengths and feedback effects. It will also have mapped a number of external drivers, those on which system actors have no control, e.g. climate change, energy and water supplies, social unrest, or international trade policies and geopolitics. Together, those external drivers define various scenarios, i.e. possible futures of the evolving system.

Those possible futures will set the scope of available policy options, explored in later steps.

3.1 - Preparing Scenario Analysis

Content to be completed...

- Once completed, the analysis of the system dynamics will provide details on actors, interests and causal links directions, strengths and feedback effects. It will also have mapped a number of external drivers, those on which system actors have no control, e.g. climate change, energy and water supplies, social unrest, or international trade policies and geopolitics. Together, those external drivers define various scenarios, i.e. possible futures of the evolving system.
- Those possible futures will set the scope of available policy options, explored in later steps



Task Status

- Not started ■
- Started ■
- Completed ✓

3.2 - Building Scenarios


Content to be completed...

- External drivers

Task Status

- Not started ■
- Started ■

[Home](#)
[Dashboard](#)
[Step-by-Step](#)
[Resources](#)
[Services](#)
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Sustainable Development Goals

Integrator Platform

A step-by-step guide to integrated SDG policies for all stakeholders

EN

FR

ES

RU

AR

CN

Sign-up

Sign-in

This personalised Dashboard helps programme managers track progress along all policy-making steps: stakeholder mobilisation, system analysis, design, implementation, as well as monitoring and evaluation. It offers a real-time overview and status of progress, a time-line of tasks, pop-up details on each task, and short-cuts to detailed guidance pages.

Progress

1. Engaging Stakeholders

Preparing engagement

Mapping of actors

Nurturing dialogue

Context analysis

2. Connecting the SDG Dots

Preparing system analysis

Discovering the SDG System Dynamics

3. Mapping Scenarios

Preparing scenario analysis

Building scenarios

4. Mapping Strategies & Policies

Preparing strategy analysis

Building strategies

5. Support Implementation

Institutional collaboration

Programme formulation

Financing

Workshop 1

- Problem identification
- Agreeing on Stakeholders map
- Agreeing on SDG priorities
- SDG System Dynamics drivers
- Assessing linkages

Workshop 2

- Closing causal loops
- Revealing leverage points
- External drivers
- Identifying scenario pathways and testing scenario consistency

Workshop 3

- Internal drivers
- Identifying strategic pathways
- Selecting consistent policy options
- Recommending policy options

M&E of Engagement

M&E of System Analysis

M&E of Scenarios Mapping

M&E of Strategy Building

M&E of policy support

Tasks

Search

Description	Lead	Stakeholders	Due Time	Status
Stakeholder mapping	National consultant	Gov counterpart	Week 2	Completed
Review of existing SDG policies	National consultant	None	Week 3	Ongoing
Stakeholder mobilisation	NC & Gov counterpart	All	Week 4	Ongoing
Logistics Workshop 1	NC, DSD	Gov	Week 6	Not started

User configurable

Roadmap and milestones

List of tasks and assignments

Stakeholder Database

Name of Org.	Type	Description	Focal Point
MoWE	Government	Ministry of Water, Irrigation and Electricity	Mandefro
EAS	Research	Ethiopia Academy of Sciences	XYZ
CCF-E	Civil Society	Climate Change Forum Ethiopia	ABC
	Multilateral	UN FAO	Mr I
	Multilateral	Office of the UN Resident Coordinator	Ms
	Multilateral	World Health Organisation	Dr Who

Stakeholder
data

Network
analysis

Interactive Stakeholder Map



Calendar

Collaborative Workspace

Supporting a community of practice of SDG policy project managers across scales and countries with:

- Discussion forum
- Contacts of peers in countries (voluntary registration)
- Contacts of UN supporting agencies and focal points
- Links to blogs, project website and events.
- List of related services by various UN and other providers
- Etc.

Virtual
workshop

Resources

To be completed with:

- Links to relevant documents and sites
- List and library of outputs
- Etc.

Virtual
library

Stats and Reporting

To be completed with:

- Stats on stakeholders, events, delivery of activities and indicators...
- Etc.

Statistics
and reports

Upcoming Events

◀ MAY 2018 ▶

GMT +00:00

MON	TUE	WED	THU	FRI	SAT	SUN
	1 08:00 Tes...	2 08:00 Tes...	3 08:00 Tes...	4 08:00 Tes...	5 08:00 Tes...	6 08:00 Tes...
7 08:00 Test...	8 08:00 Tes...	9 08:00 Tes...	10 08:00 Tes...	11 08:00 Tes...	12 08:00 Tes...	13 08:00 Tes...
14 08:00 Test...	15 08:00 Tes...	16 08:00 Tes...	17 08:00 Tes...	18 08:00 Tes...	19 08:00 Tes...	20 08:00 Tes...
21 08:00 Test...	22 08:00 Tes...	23 08:00 Tes...	24 08:00 Tes...	25 08:00 Tes...	26 08:00 Tes...	27 08:00 Tes...
28 08:00 Test...	29 08:00 Tes...	30 08:00 Tes...	31 08:00 Tes...	1 08:00 Tes...	2 08:00 Tes...	3 08:00 Tes...
4 08:00 Test...	5 08:00 Tes...	6 08:00 Tes...	7 08:00 Tes...	8 08:00 Tes...	9 08:00 Tes...	10 08:00 Tes...

Interim
Excel tools

English



SUSTAINABLE DEVELOPMENT GOALS
17 GOALS TO TRANSFORM OUR WORLD

Welcome to the Stakeholder and SDG links database of the UN-DESA project on integrated SDGs. Please [click](#) on the steps below to edit or add information to the database.

Step 1

Edit or add stakeholder data

click!

Step 2

Edit or add stakeholder SDG interests

Step 3

Edit or add links between stakeholders

Step 4

Edit or add links between SDG goals

Email
us your
inputs!



OBJETIVOS DE DESARROLLO SOSTENIBLE
17 OBJETIVOS PARA TRANSFORMAR NUESTRO MUNDO

Bienvenida/o a la base de datos de partes interesadas y vínculos ODS del proyecto UN-DESA sobre ODS integrados. Haga [clic](#) en los pasos siguientes para editar o completar la base de datos.

Paso 1

Edite o agregue datos de partes interesadas

clic!

Paso 2

Edite o agregue intereses de ODS

Paso 3

Edite o agregue enlaces partes interesadas

Paso 4

Edite o agregue enlaces entre objetivos ODS

¡Envíenos
sus entradas
por correo
electrónico!

Task guidance: stakeholder
data, interests, reports...

Stakeholder Data

Step 1: Select 'Acronym' of stakeholder from this pull-down to review and edit data, or click 'Add New' to add a new stakeholder.

Acronym: Name:

Status: ☐ Firmante del Pacto Nacional

Sector: ☐ Miembro del Comité Consultivo

Sub-Sector: ☐ Miembro de la Plataforma de la

Description:

Discourse:

Interests:

Website:

Last Edited:

Data entry forms

Stakeholder Interests

Step 2: Select 'Acronym' of stakeholder from this pull-down, select interested SDGs, and assess level of interest (up to 17 SDGs).

Acronym: Economic Enterprise Example

<input checked="" type="checkbox"/> 1: No Poverty	<input type="text" value="3"/>	<input type="checkbox"/> 10: Equality	<input type="text" value="5"/>
<input type="checkbox"/> 2: No Hunger	<input type="text" value="3"/>	<input checked="" type="checkbox"/> 11: Sustainable Communities	<input type="text" value="4"/>
<input checked="" type="checkbox"/> 3: Health	<input type="text" value="3"/>	<input checked="" type="checkbox"/> 12: Sust. Prod. / Consumption	<input type="text" value="4"/>
<input type="checkbox"/> 4: Education	<input type="text" value="4"/>	<input checked="" type="checkbox"/> 13: Climate Change	<input type="text" value="4"/>
<input type="checkbox"/> 5: Gender	<input type="text" value="4"/>	<input type="checkbox"/> 14: Life under Water	<input type="text" value="4"/>
<input checked="" type="checkbox"/> 6: Water	<input type="text" value="4"/>	<input type="checkbox"/> 15: Life on Earth	<input type="text" value="4"/>
<input type="checkbox"/> 7: Energy	<input type="text" value="4"/>	<input type="checkbox"/> 16: Justice	<input type="text" value="4"/>
<input type="checkbox"/> 8: Livelihoods	<input type="text" value="4"/>	<input checked="" type="checkbox"/> 17: Partnerships	<input type="text" value="4"/>
<input checked="" type="checkbox"/> 9: Infrastructures	<input type="text" value="4"/>		

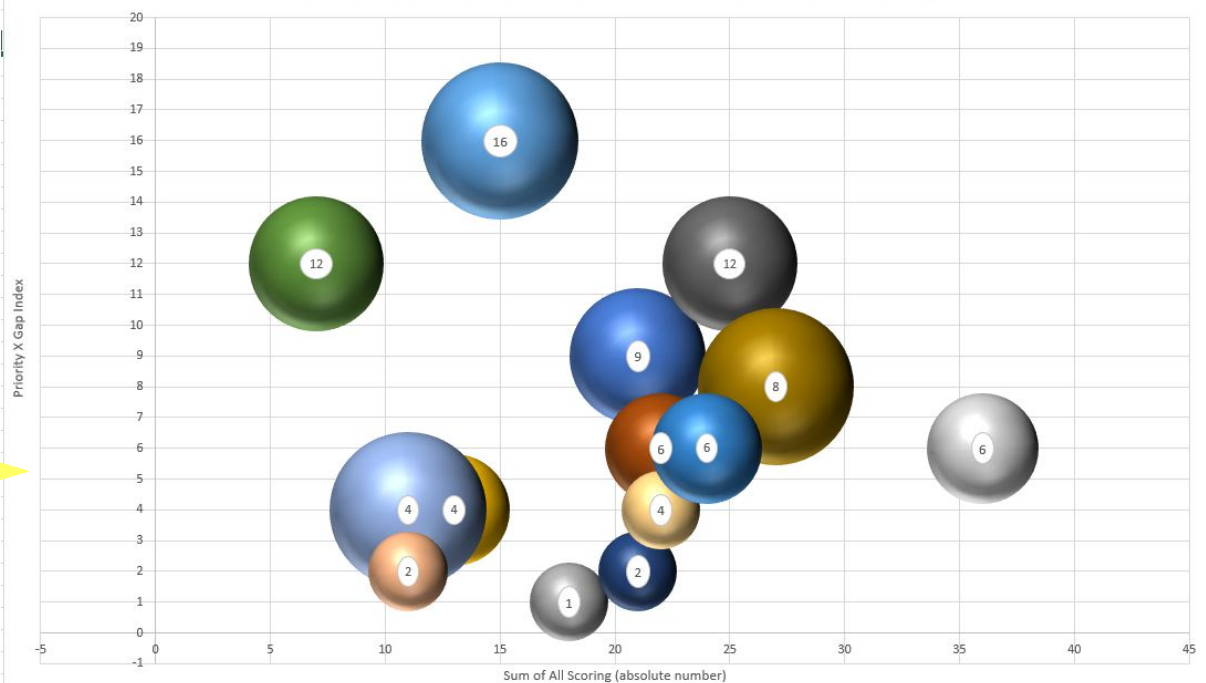
0 = no interest 3 = average
1 = minimum 4 = high
2 = some 5 = extreme

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	
1	SDGs and Targets Interactions							Use scoring from -3 to +3. See guidelines in "Scale" worksheet, below																		
2																										
3	Priority X Gap Index				SDG Int's		From ↓	To →	Please provide rationale for interaction scoring in comments (right-click, Insert Comment)																	
4	Priority	Gap	PG Index		Goal	Target	Description	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	Total	
5	0	0	0		1		End poverty in all its forms eve		2	2	1		2	1	1	1	1	1	2	1	1	1	1	2	20	
6	1	1	1		2		End hunger, achieve food secu	3		2	1		1		1	2	1	1	2	1	1	1		1	18	
7	2	2	4		3		Ensure healthy lives and prom	1	1		2				3	2	1	1	1				1		13	
8	3	3	9		4		Ensure inclusive and equitable	2		1		1	1	1	2	3	2	2	1	1		2	2		21	
9	4	4	16		5		Achieve gender equality and e	3	2	1	3		2		1		1					1	1		15	
10	0	1	0		6		Ensure availability and sustain	2	2	1			2	1		1		1	1		2			2	13	
11	1	2	2		7		Ensure access to affordable, re	2	1	1	1	1	1		3	2	2	1	2	1		1	1	1	21	
12	2	3	6		8		Promote sustained, inclusive a	2	2	2	2	2	2	1		2	1	1	1	1		1	1	1	22	
13	3	4	12		9		Build resilient infrastructure, p	3	2	1	1	1		-1	3			2	3	-2	-2	-2		2	25	
14	4	2	8		10		Reduce inequality within and a	3	1	1	1	3	1	1	3	2		1	2	1		1	3	3	27	
15	0	3	0		11		Make cities and human settler	2	1	2	1	3	3	3	2	2	1		3	1		1	3	1	29	
16	1	4	4		12		Ensure sustainable consumpti	2	1	2	1	1	2	1	2	2	1	3		1		2	1		22	
17	2	3	6		13		Take urgent action to combat	1	2	2			3	3	1	1		1	2		3	3		2	24	
18	3	4	12		14		Conserve and sustainably use	1	1	1			3	1											7	
19	4	1	4		15		Protect, restore and promote	1	1				3	1	-1				3	1					11	
20	1	2	2		16		Promote peaceful and inclusiv	2	1	1	2	2			1	1	1								11	
21	2	3	6		17		Strengthen the means of imple	2	2	3	2	3	2	1	2	2	3	2	3	2	2	2	3		36	
22							Total	32	22	23	18	17	26	16	26	23	15	17	23	15	12	17	17	16		
23																										

SDG interaction matrix

Analysis of impact by priority and gap

SDG Interactions: PG Index by Score of Impact (sphere dimension = SDG priority)



Risks and Challenges

- Ensure engagement
- Simplify without trivialising IA
- Demystify power
- Secure implementation
 - Widen the SD debate
 - Accelerate change

Next Steps

- Complete
 - Methodologies and guides
 - Tools and platforms
- Make them widely accessible
- Support users in applying them

Comments and questions?

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