

Putting nature and people at the centre of food system transformation

A capitals approach for business decision-making

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COALITION**

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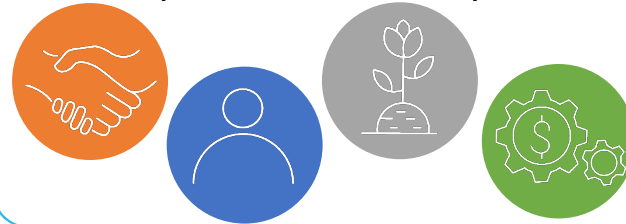


WHY

We are failing to tackle the global challenges of loss of nature, climate change & inequality because decisions are currently based on insufficient information that excludes people & nature.

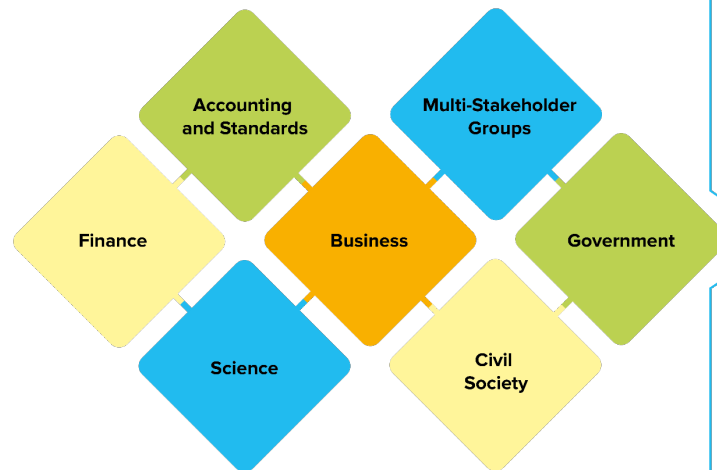
WHAT

We use a capitals approach to transform the way decisions are made so that they include the value provided by nature, people, society and the economy.



HOW

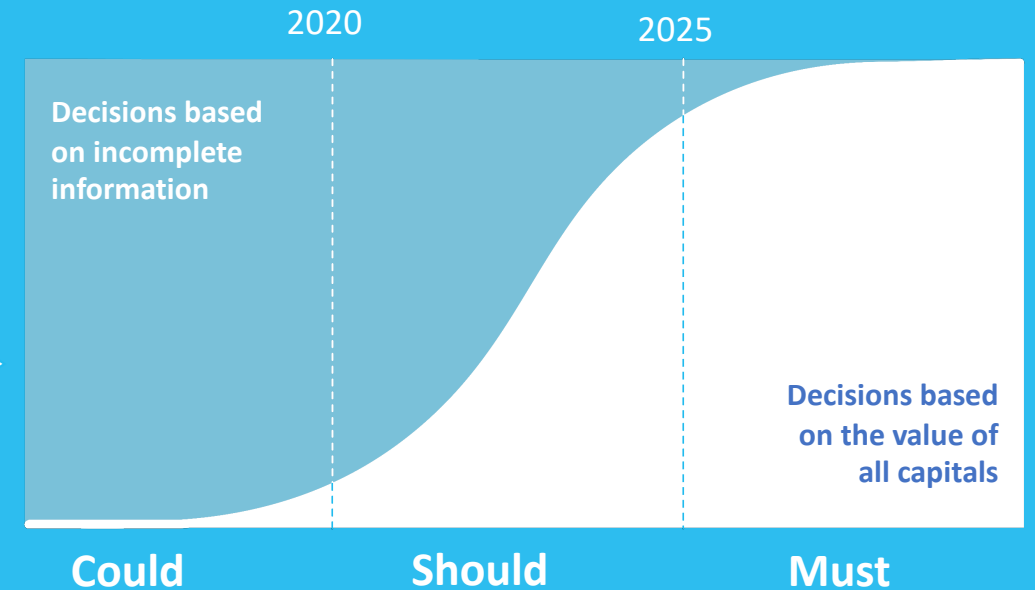
We work through collaboration with 370+ organizations at the core & thousands more engaged around the world. This systems approach means we have a unique oversight and provides inspiration, ideas and resources to get things done.



SO WHAT

Our shared ambition is that by 2030 the majority of business, finance and governments will include all capitals in their decision making, and that this will deliver a fairer, just and more sustainable world.

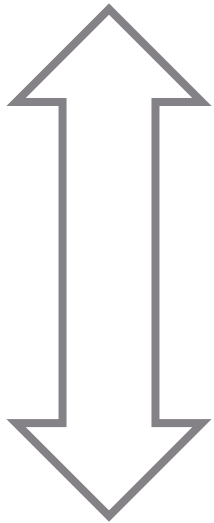
We are moving from we 'could' to we 'should' to we 'must' include all capitals in all decisions.



What is a capitals approach?

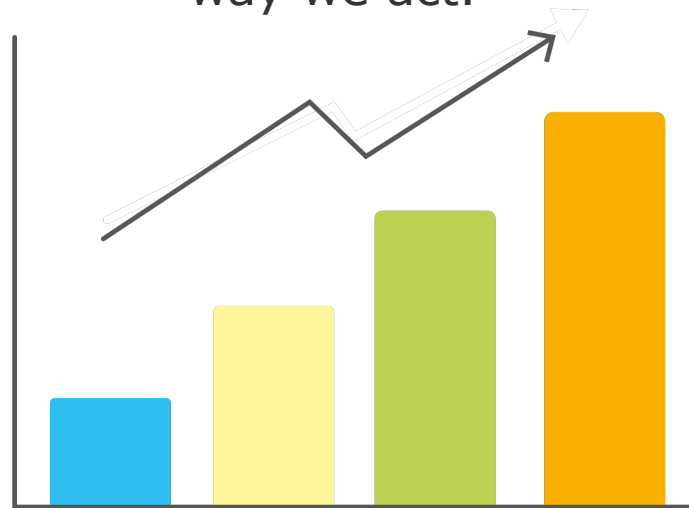
Impact & Dependency

A capitals approach highlights our dependency on nature and people making it critical and, therefore, embedded in all decisions.



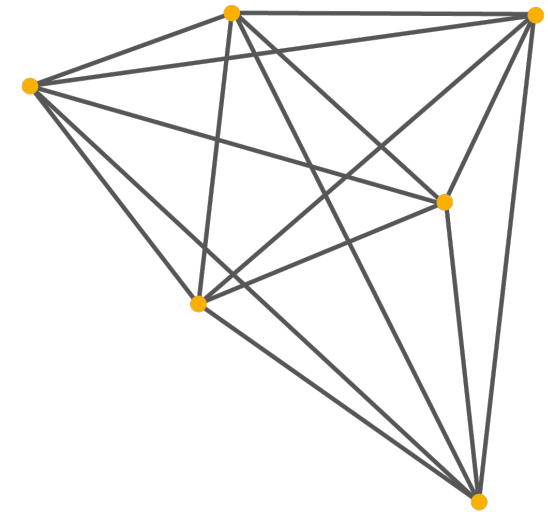
Measure & Value

A capitals approach values impacts and dependencies so that we understand their relative importance and worth and are forced to transform the way we act.

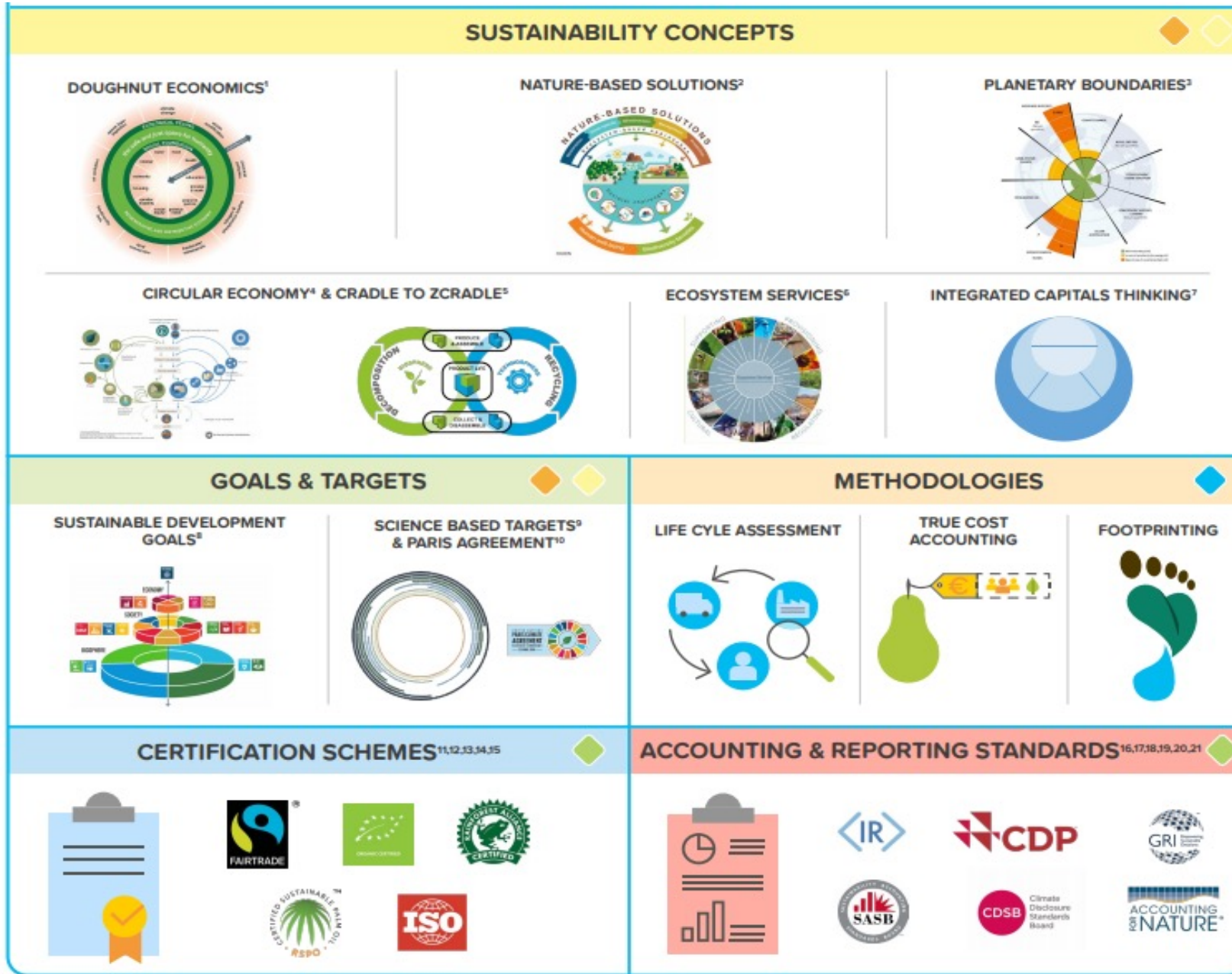


System

A capitals approach exposes the shared risks and opportunities, clearly indicating how everything is connected.



Through the Capitals lens



Who is doing it? How does it help?



Cut water use by 70% in coffee production at one site in India



Identified areas to improve positive social impact



Decided to focus investment on packaging in tomato sauce production



Established relationship with local community



Rabobank

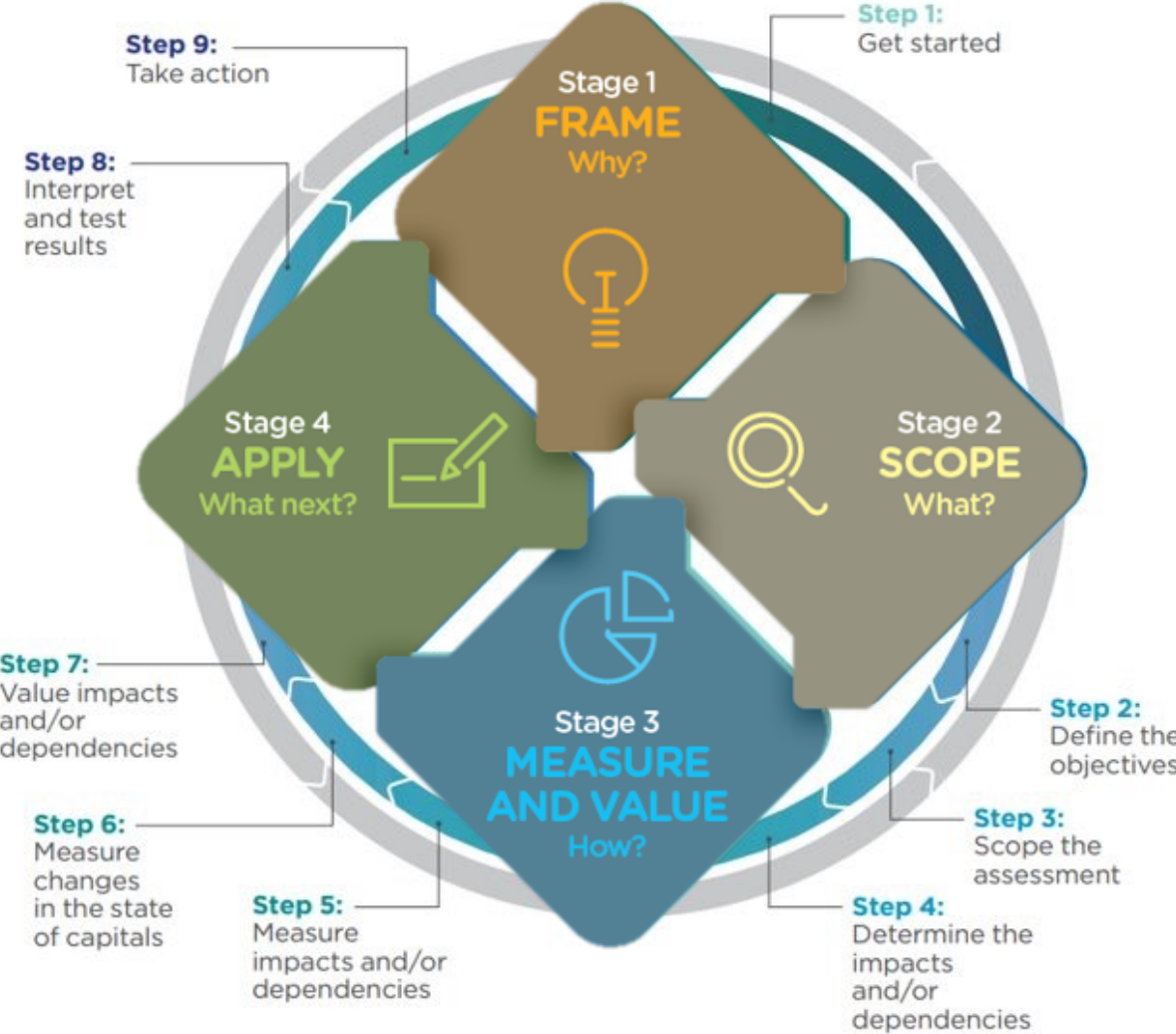
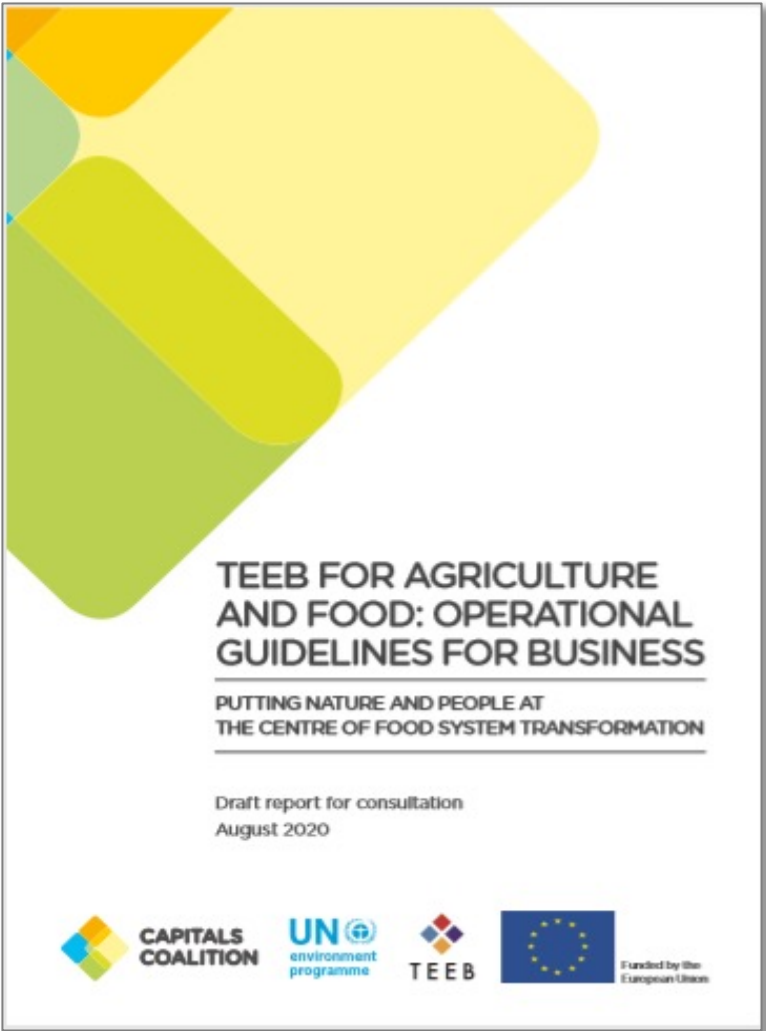
Created a framework for biodiversity with focused KPIs



Identified risks in coffee supply chain and informed management

And many more.....

TEEBAgriFood Operational Guidelines for Business

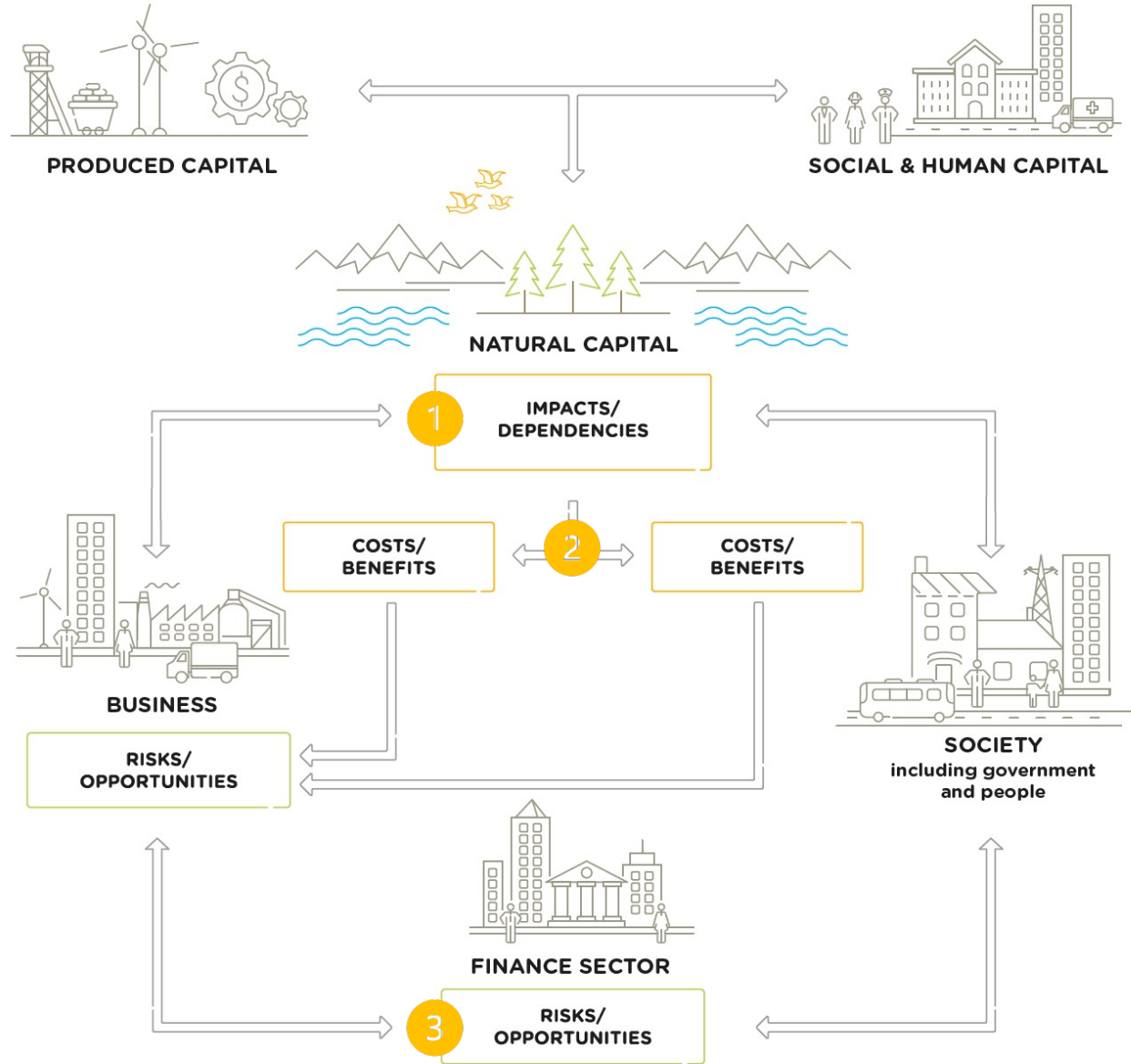


FRAME STAGE: Why?



FRAME STAGE: Why?

Capital impacts and dependencies: conceptual model for business and finance



FRAME STAGE: Why?

Potential business applications for your capitals assessment



Inform strategy,
understand
risk and
opportunity



Compare options
such as
sites or
sourcing



Estimate
total value or **net impact**



Assess
impact on
stakeholders



Communicate
internally
or externally

SCOPE STAGE: What?



SCOPE STAGE: WHAT

Indicative Matrix of materiality for the agrifood value chain

DEPENDENCIES														VALUE CHAIN	IMPACT DRIVERS																																	
NATURAL				HUMAN				SOCIAL				PR.	NATURAL							HUMAN					SOCIAL																							
Water availability	Water quality	Energy	Regulation of physical environment	Regulation of biological environment	Regulation of waste and emissions	Skills and Knowledge	Experience	Workforce availability	Health of workers	Social networks and cooperation	Property rights	Social acceptance and trust	Law and order		Accessibility to infrastructure and	Water use	Terrestrial ecosystem use	GHG emissions	Pesticide and herbicide use	Fertilizer use	Soil use	Solid waste	Livestock conditions	Nutritional content of food	Use of harmful substances for consumers	Food safety practices	Employee health and safety conditions	Salaries and benefits	Workers living conditions	Labour rights	Gender rights	Worker's representation	Food security	Food loss or waste	Integration of workforce into communities	Benefit sharing with indigenous communities												
M	H	H	H	H	H	H	H	H	H	M	H	M	M	H	INPUT MATERIALS	H	H	H	M	M	M	M	H	L	H	M	H	M	M	H	H	M	H	M	H	M	M	H	M	M	H							
H	H	H	H	H	H	H	H	H	H	M	H	H	H	H	AGRICULTURAL PRODUCTION	H	H	H	H	H	H	M	H	L	H	H	H	H	H	H	H	H	H	M	H	H	H	M	H	H	H	M	H	M	H			
H	H	H	M	M	H	H	M	M	H	M	L	M	H	H	MANUFACTURING & PROCESSING	H	L	H	L	L	L	H	H	H	H	H	H	H	H	M	M	H	M	M	H	M	M	M	M	M	M	M	M	M	M	L	M	L
M	M	H	L	L	H	M	M	M	H	M	L	L	H	H	DISTRIBUTION & RETAIL	M	M	H	N	N	N	H	M	M	N	N	N	N	N	N	N	H	H	H	H	H	M	H	M	H	M	H	H	M	M	M	N	N
L	L	H	N	L	H	L	N	N	N	M	N	H	M	L	CONSUMPTION	L	L	M	N	N	N	H	M	H	H	H	H	H	H	N	N	N	L	L	L	H	H	L	H	H	L	L	N	N	N	N		

H HIGH MATERIALITY
 M MEDIUM MATERIALITY
 L LOW MATERIALITY
 N NOT MATERIAL

Measure & Value Stage: HOW?



MEASURE AND VALUE STAGE HOW?



Step 05 – HOW to measure the impact drivers and dependencies

Step 06 – HOW to measure the change in capital resulting from the change in capital or external factors

Step 07 – HOW to value the impacts and/or dependencies

MEASURE AND VALUE STAGE: How?

Impact pathway: an example for fertilizer use



What? Kilograms of Phosphorus in fertilizers applied

How? Direct measurement from farm data

Step 05: Measure impact drivers



What? Change in concentration of nutrients in water (eutrophication)

How? Direct measurement of water quality

Step 6: Measure changes in capitals



What? Loss of fish stocks

How? Market valuation

Step 07: Value impacts



Apply Stage: Whats next?



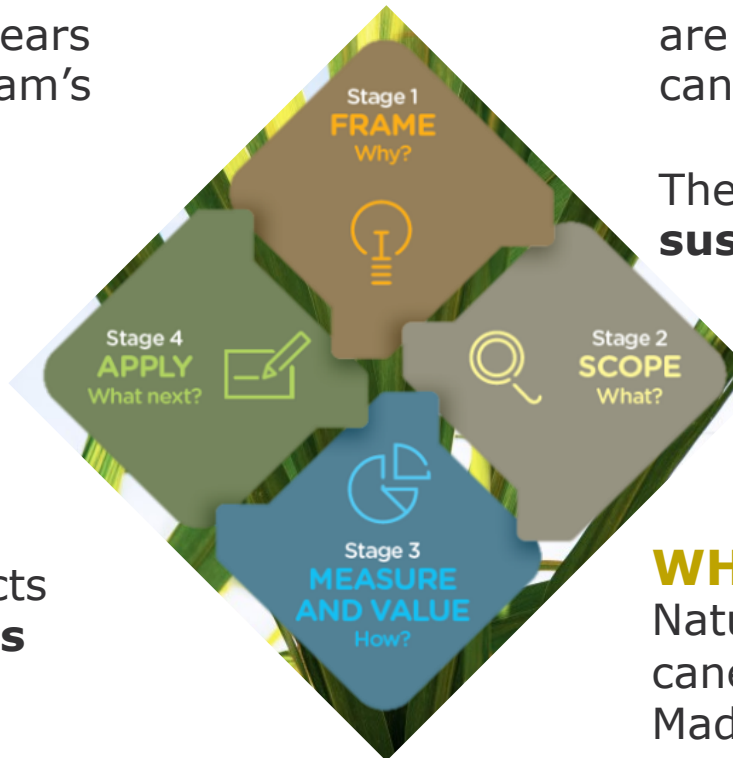
APPLY STAGE: What next?

Olam Sugar cane case study

WHAT NEXT

- ✓ Overall productivity increased by 15%
- ✓ 62-billion-liter water saved over 3 years
- ✓ 20,500 farmers reached through Olam's smallholder program

HOW Measuring and valuing impacts and dependencies of **water indicators** and productivity



WHY

In India, 1500 to 3000 liters of water are needed to cultivate 1kg of sugar cane.

The assessment **informs the sustainability strategy**

WHAT

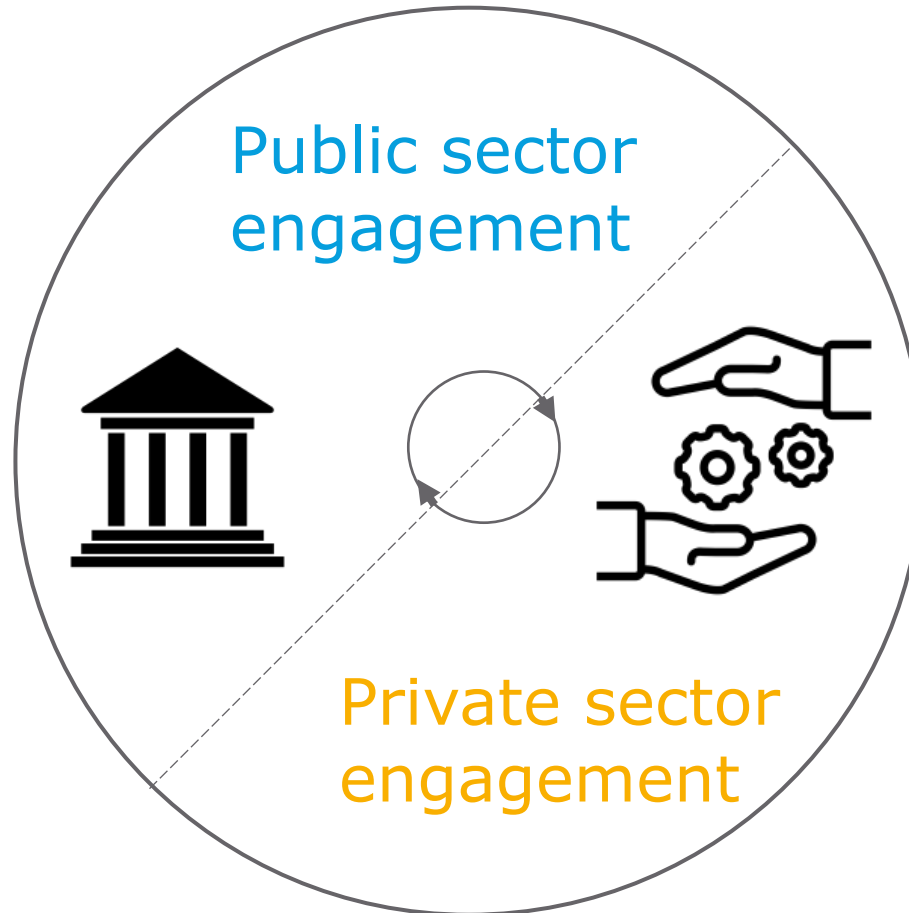
Natural capital assessment on sugar cane plantation in Maharashtra and Madhya Pradesh to assess material **water dependencies and impacts**



Business engagement

TEEBAgriFood for Business Project

Promoting a sustainable agriculture and food sector



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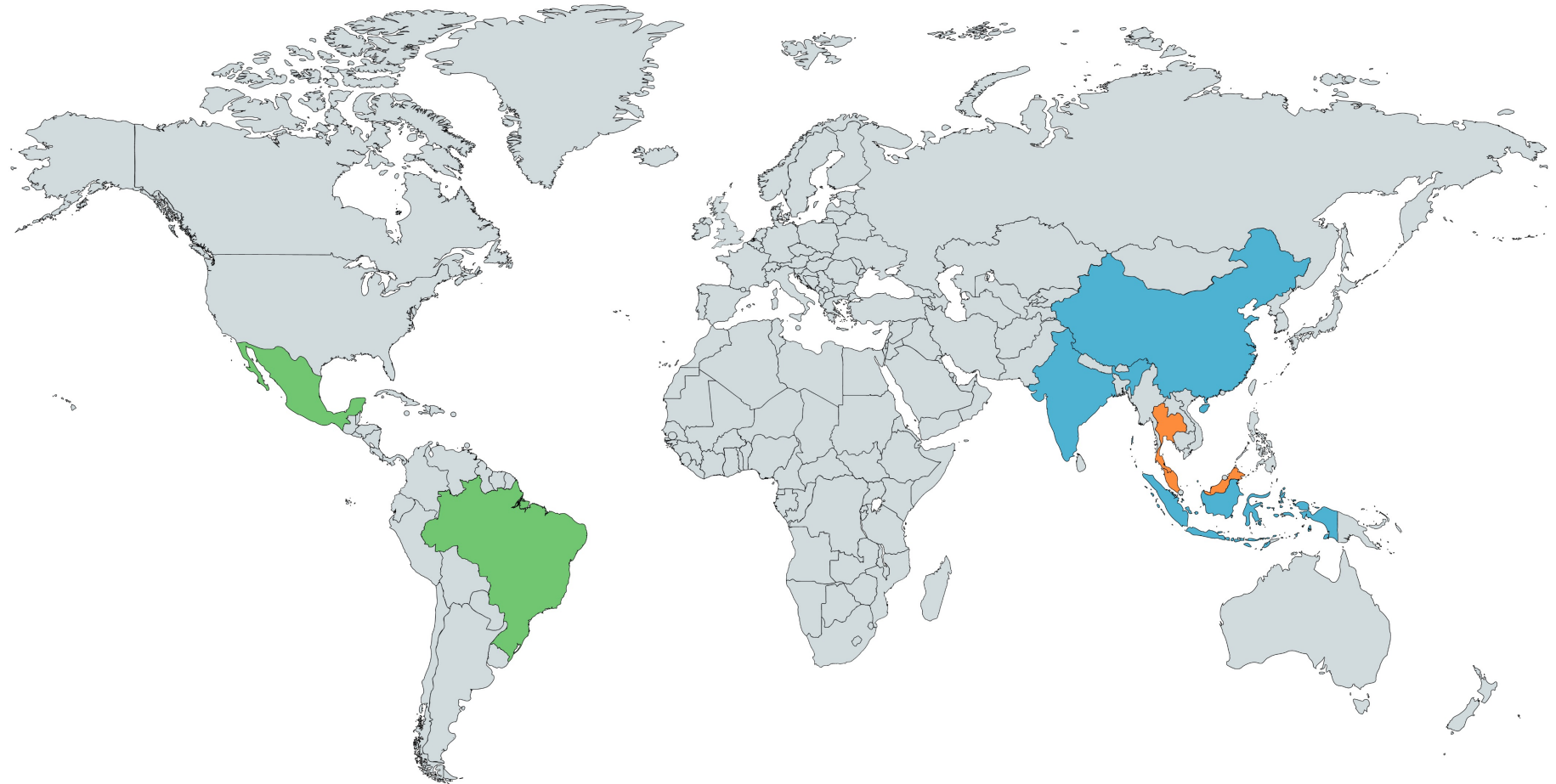


Funded by the
European Union

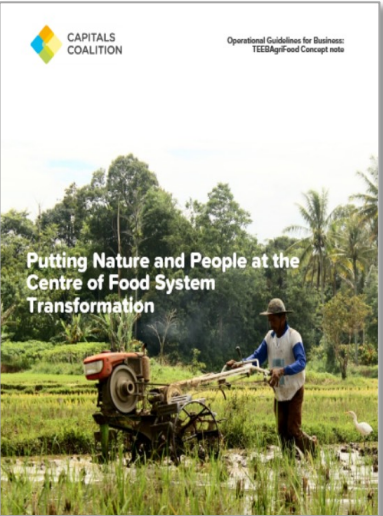
Applying the framework: TEEBAgriFood for business

Engaging with food businesses and governments in 7 countries:

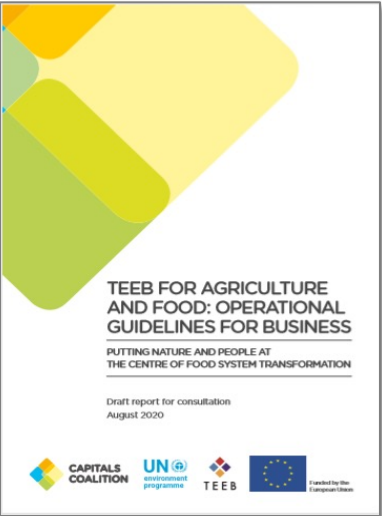
- Brazil
- China
- India
- Indonesia
- Malaysia
- Mexico
- Thailand



Next steps for the TEEBAgriFood for business project



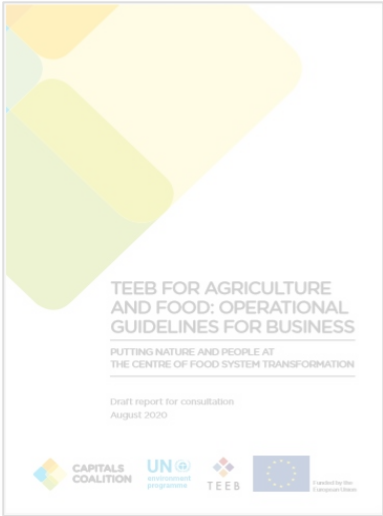
Concept note
March 2020



Draft Guidelines
August 2020



Consultation & Piloting
2020 - 2022



Final publication
October 2022



Case studies
2021- 2022

Scale up



Next steps for the TEEBAgriFood for business project

India

Roundtable

Training program starting
29th April running till
November 2021

Case studies for
publication Q3 2022

China

Roundtable

Training program starting
in June running till
November 2021

Case studies for
publication Q3 2022

Indonesia

Roundtable

Training program starting
1st June running till
November 2021

Case studies for
publication Q3 2022

Engagement in [Malaysia](#) and [Thailand](#) to follow in 2022

Continue the conversation

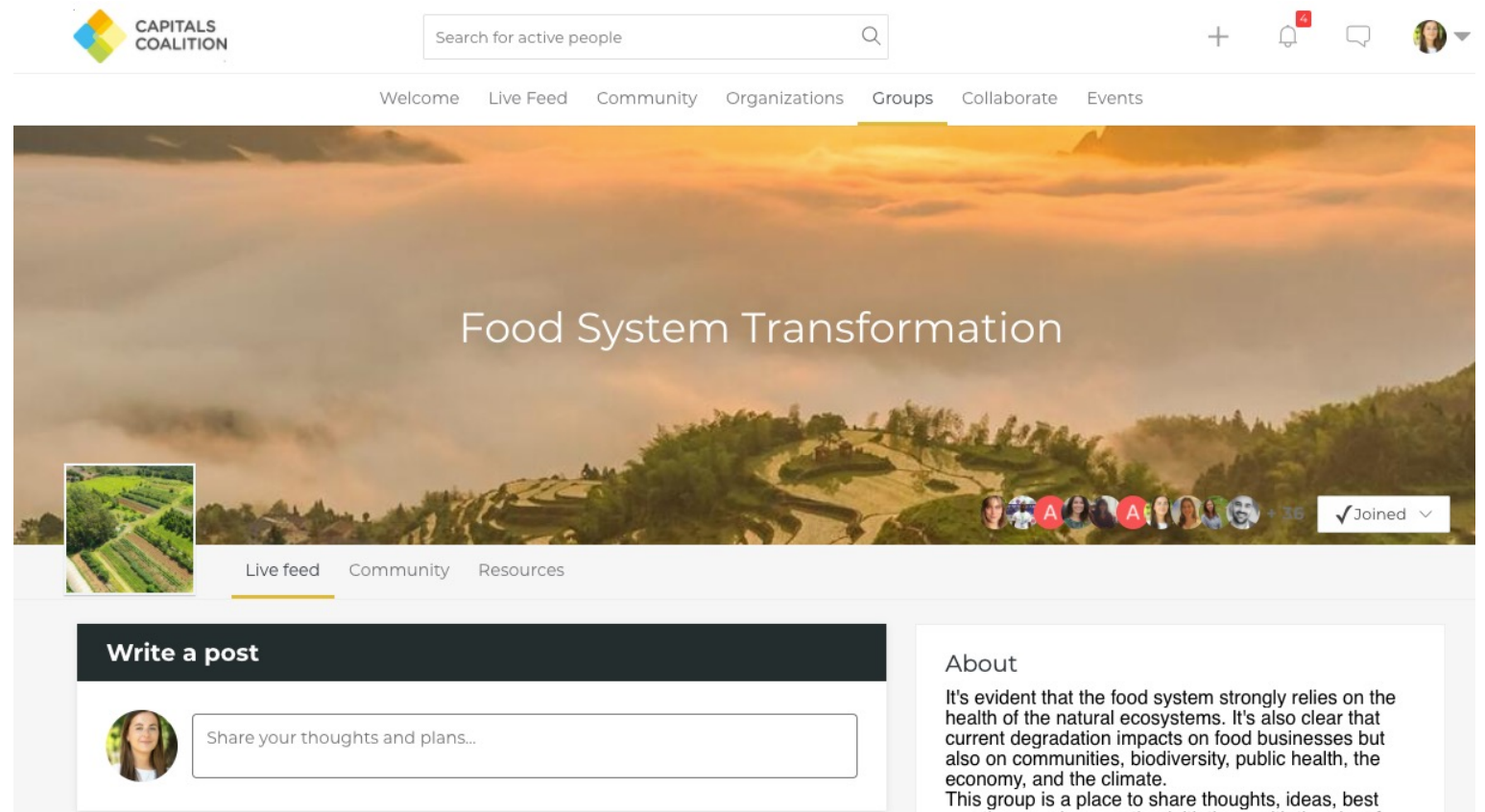
- ✓ Global consultation
- ✓ Building capitals approach evidence base
- ✓ Curating collaboration on the [Capitals Community Food System Transformation Group](https://community.capitalscoalition.org/)

Connect with the Capitals Community and join a network of professionals working together to redefine value and transform decision-making.

This online platform facilitates engagement and collaboration among the extensive Capitals Coalition network.

Join the conversation to share knowledge & experiences, events and opportunities.

<https://community.capitalscoalition.org/>



The screenshot shows the website interface for the Capitals Community Food System Transformation Group. At the top left is the Capitals Coalition logo. A search bar contains the text "Search for active people". Navigation links include "Welcome", "Live Feed", "Community", "Organizations", "Groups", "Collaborate", and "Events". The main header features a large image of a landscape at sunset with the text "Food System Transformation". Below this is a row of member profile pictures and a "Joined" button. A secondary navigation bar includes "Live feed", "Community", and "Resources". The "Write a post" section has a text input field with the placeholder "Share your thoughts and plans...". The "About" section contains text about the importance of food systems and the group's purpose.