

Meanstreaming natural capital into Built Environment decision making



NATURAL
CAPITAL
COALITION

www.naturalcapitalcoalition.org



@NatCapCoalition

The Natural Capital Coalition

The Coalition is a collaboration representing all parts of society.
Represent c.270 organizations, all working on natural capital.



Purpose

To mainstream the inclusion of natural capital in decision making, harmonizing approaches and getting them to scale, quickly.

Our Vision

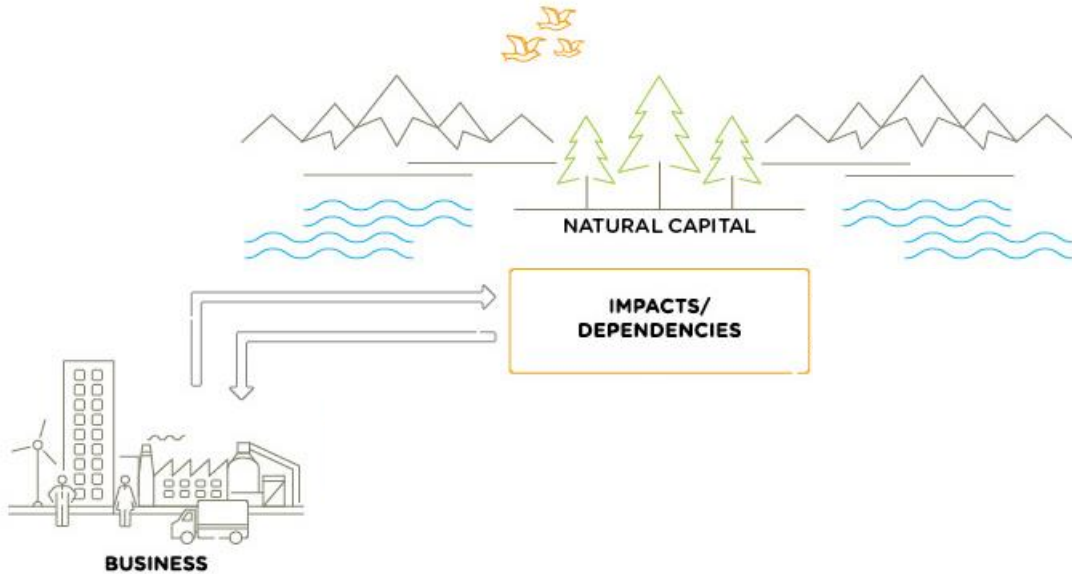
A world that conserves and enhances natural capital

*The Coalition
is hosted by
ICAEW*



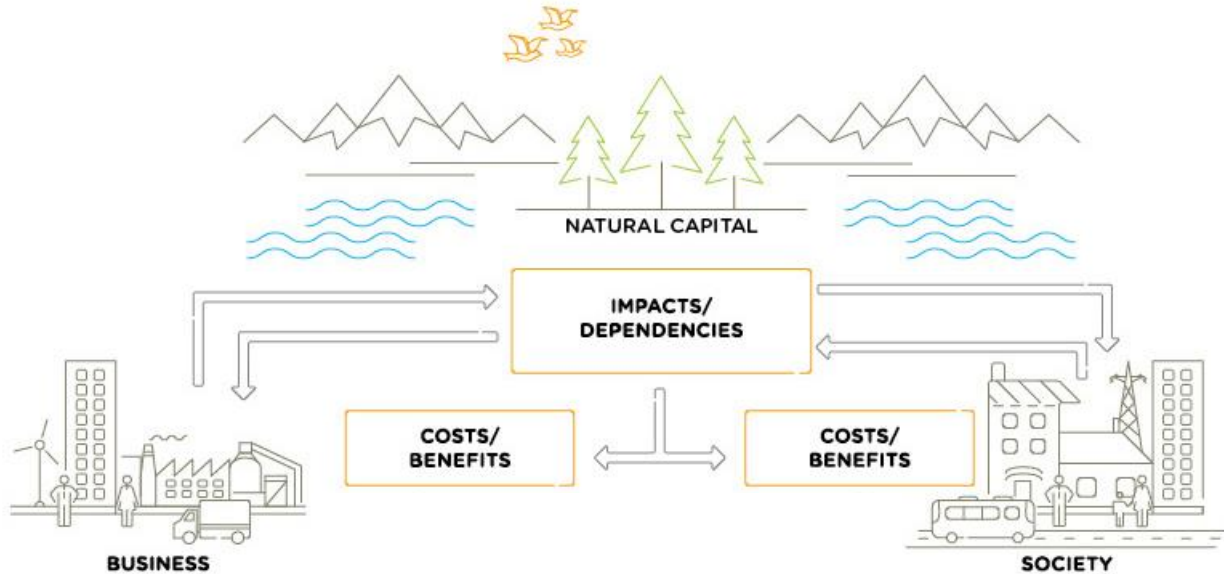


Why natural capital is relevant for business?



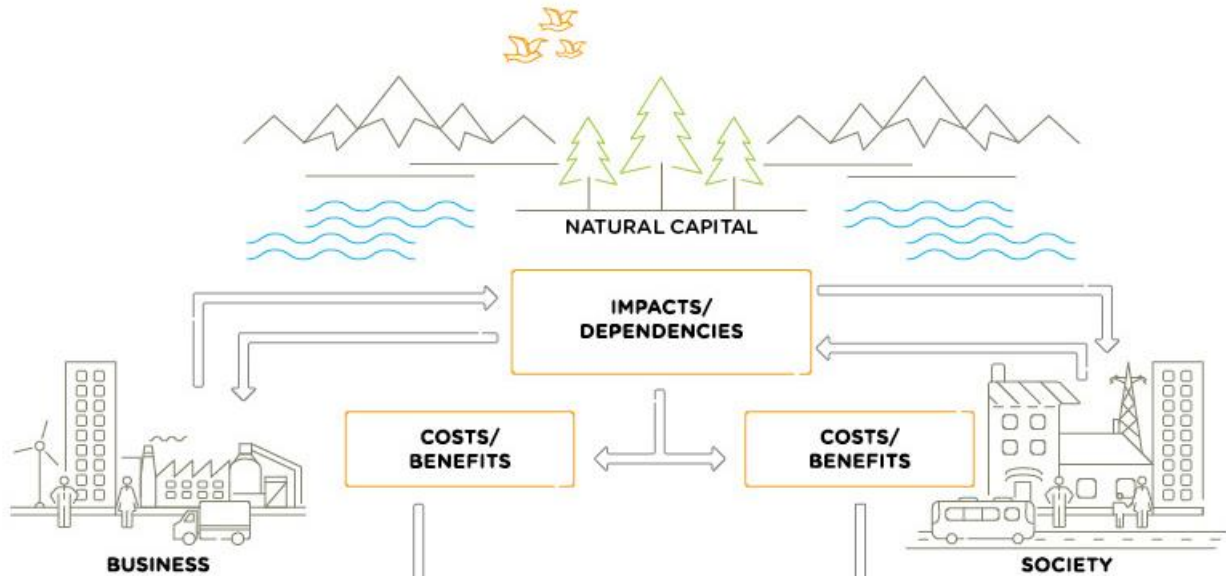


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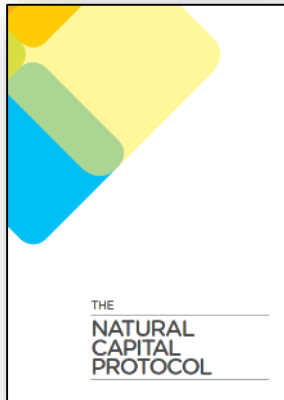




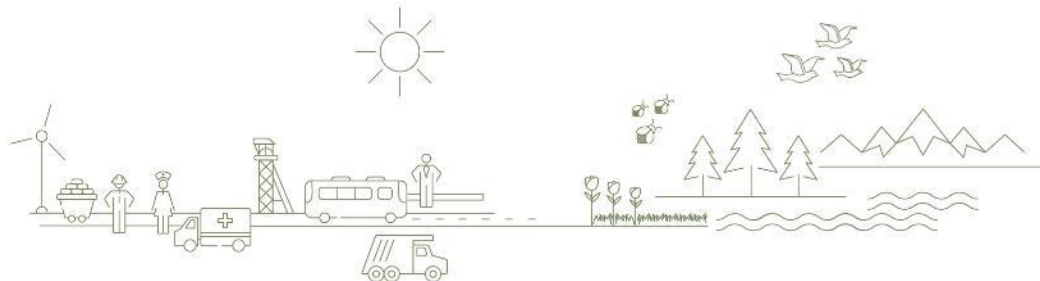
Why natural capital is relevant for business?



Regulatory
Financial
Reputational
Operational
Societal



The **Natural Capital Protocol** is a **standardized framework** for **business** to **identify, measure and value** its direct and indirect **impacts and dependencies** on **natural capital**





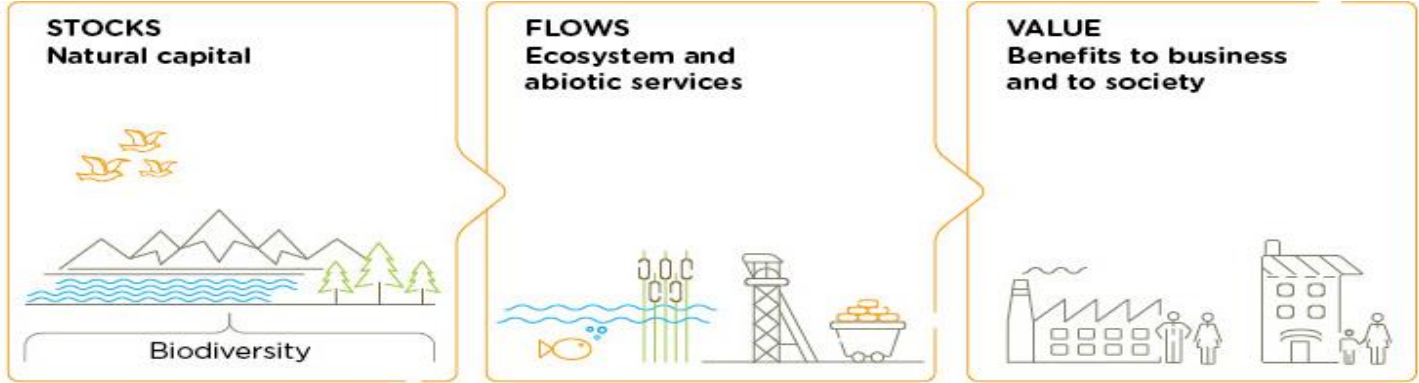
The Natural Capital Protocol Framework

Stage	FRAME Why?		SCOPE What?		MEASURE AND VALUE How?			APPLY What next?	
Step	01 Get started	02 Define the objective	03 Scope the assessment	04 Determine the impacts and/or dependencies	05 Measure impact drivers and/or dependencies	06 Measure changes in the state of natural capital	07 Value impacts and/or dependencies	08 Interpret and test the results	09 Take action
Questions this will answer	Why should you conduct a natural capital assessment?	What is the objective of your assessment?	What is an appropriate scope to meet your objective?	Which impacts and/or dependencies are material?	How can your impact drivers and/or dependencies be measured?	What are the changes in the state and trends of natural capital related to your business impacts and/or dependencies?	What is the value of your natural capital impacts and/or dependencies?	How can you interpret, validate and verify your assessment process and your results?	How will you apply your results and integrate natural capital into existing processes?

PRINCIPLES: Relevance, Rigor, Replicability, Consistency



Built Environment: example of dependencies



Forest, minerals, etc.



Wood, sand, etc.



Construction materials

Green areas, vegetation



Aesthetics, recreation



Mental health

Floodplain, vegetation



Flood regulation



Resilient cities



Impact pathway: an example

Business activities at a chemical manufacturing plant produce air emissions, which are an **impact driver**

Step 05: Measure impact drivers

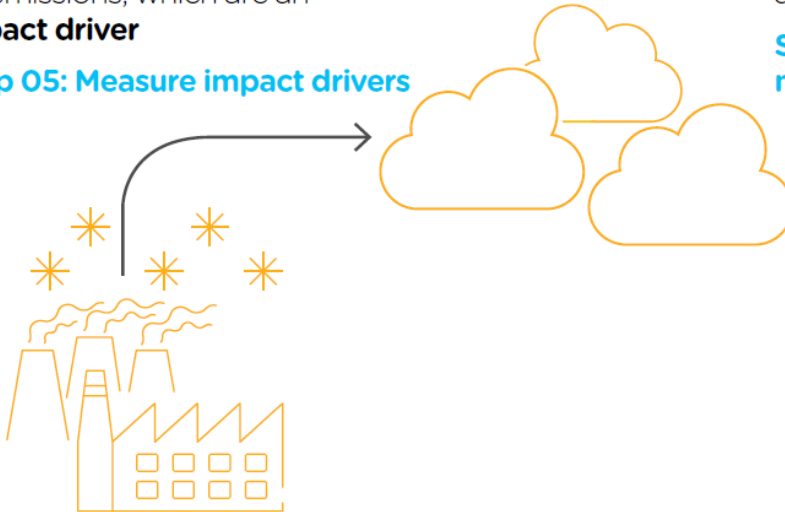




Impact pathway: an example

Business activities at a chemical manufacturing plant produce air emissions, which are an **impact driver**

Step 05: Measure impact drivers



Impact drivers lead to **changes in natural capital**, in this case reduced air quality

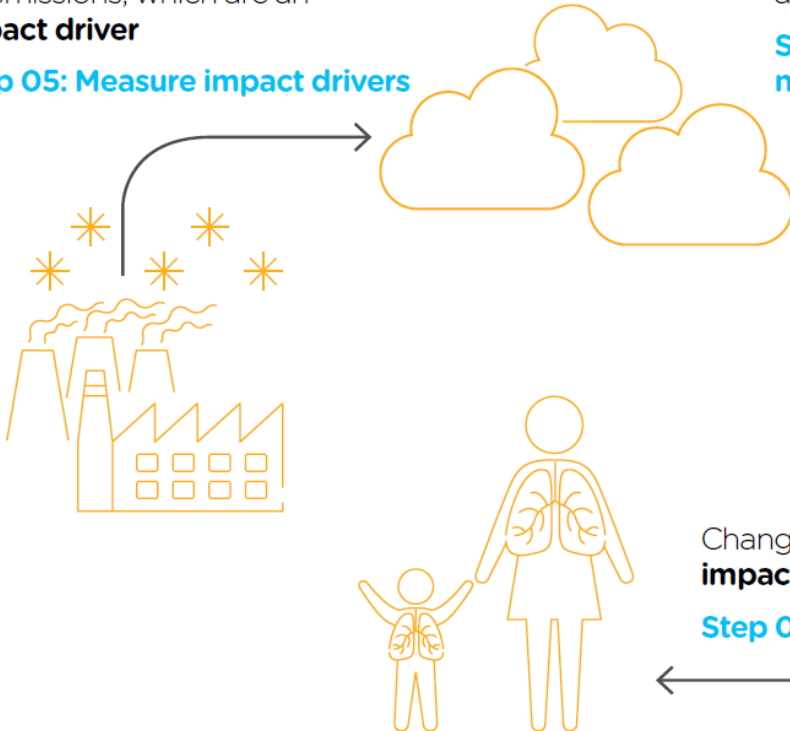
Step 06: Measure changes in natural capital



Impact pathway: an example

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Step 05: Measure impact drivers



Impact drivers lead to **changes in natural capital**, in this case reduced air quality

Step 06: Measure changes in natural capital

Changes in natural capital result in **impacts**, in this case health problems

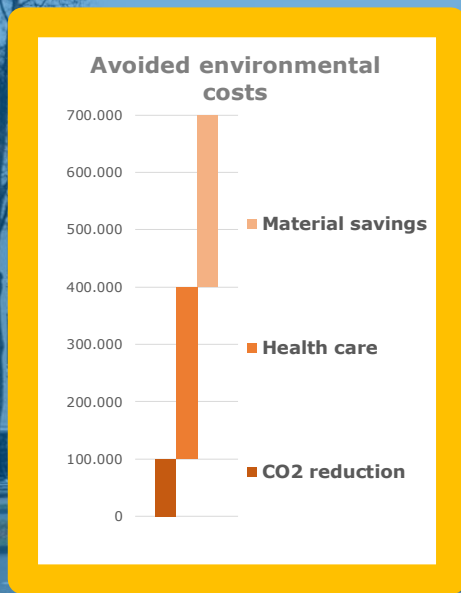
Step 07: Value impacts



Valuation

Monetary valuation provides issues for discussion with clients about sustainable measures

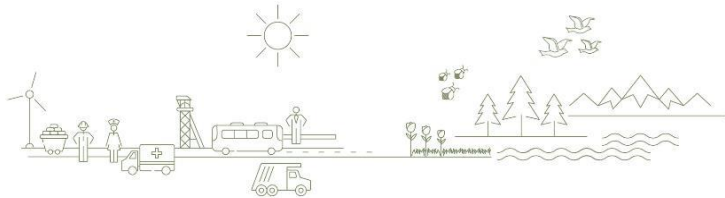
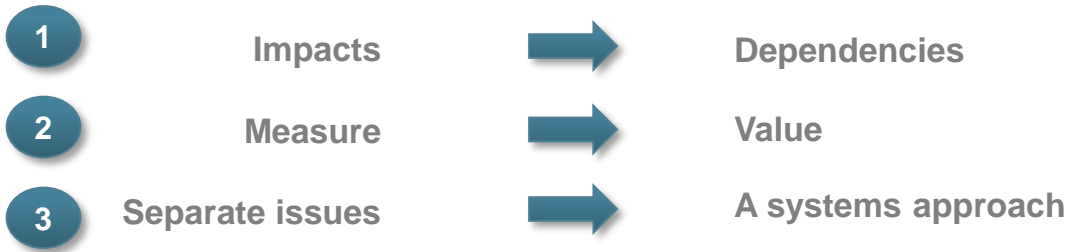
Pilot at the building complex of Karel de Grotelaan Eindhoven



<https://www.heijmans.nl/nl/nieuws/de-maatschappelijke-winst-van-duurzame-maatregelen/>



What do Capitals provide?





SKANSKA



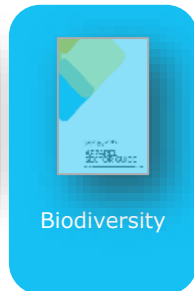
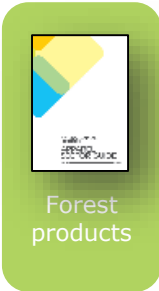
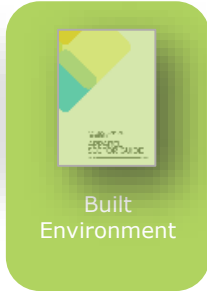
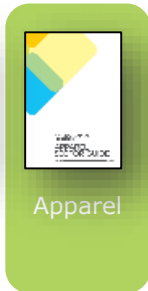
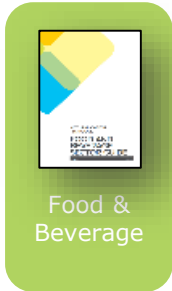
Scope

Direct operations, with impacts including: carbon, water consumption, waste, air pollution and biodiversity

Outcomes... and what next?

Overview of their business impacts on natural capital, and highlighted the impacts for which the company needs to work on improving suitable metrics (biodiversity).

Further guidance needed



Sector Guides

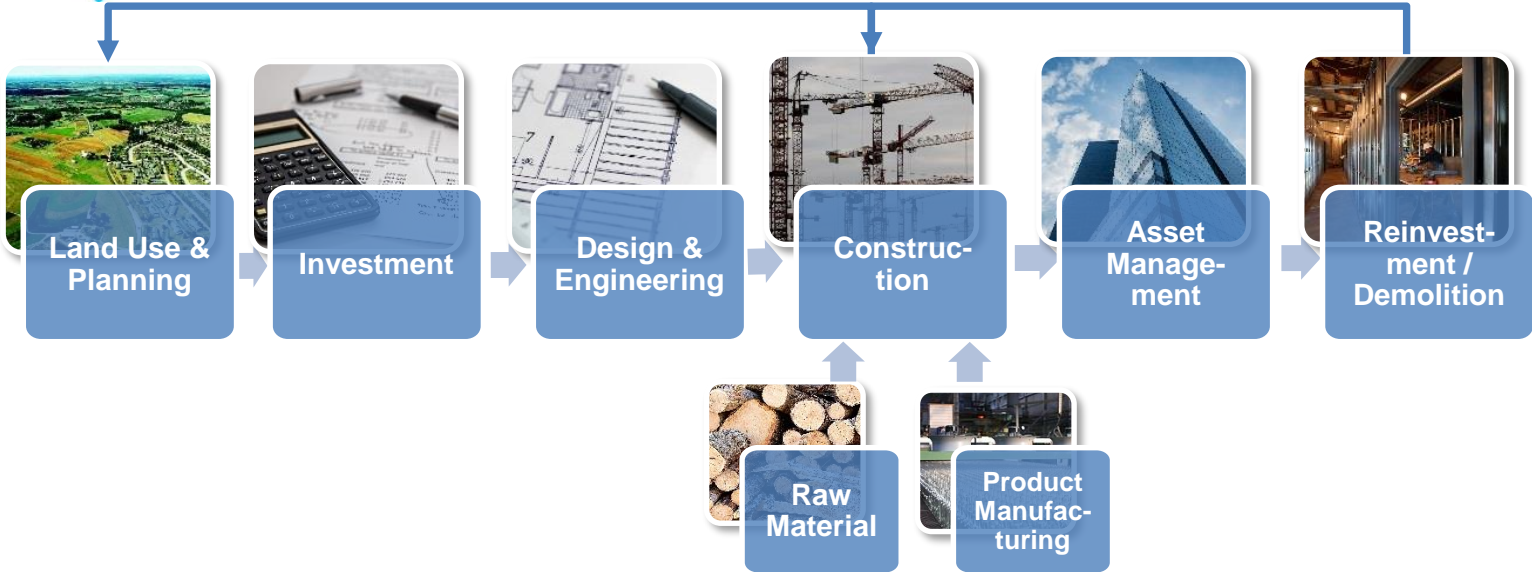
Supplementary Information



The Coalition Organizations are broadening the Protocol with supporting work.



Built Environment: scope



- Government
- Planning Authorities
- Developers
- Lenders
- Investors

- Designers
- Architects
- Engineers
- Quantity Surveyors
- Builders
- Suppliers

- Owners
- Asset Managers
- Occupants
- Communities
- Investors
- Lenders

Decision Makers



Built Environment Sector Guide: project timeline





Get involved

All Coalition projects are collaborative and open

Do you have a project that you would like to propose and **lead**?



We welcome all forms of engagement

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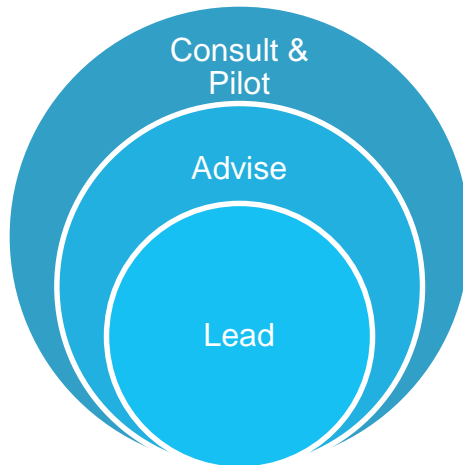
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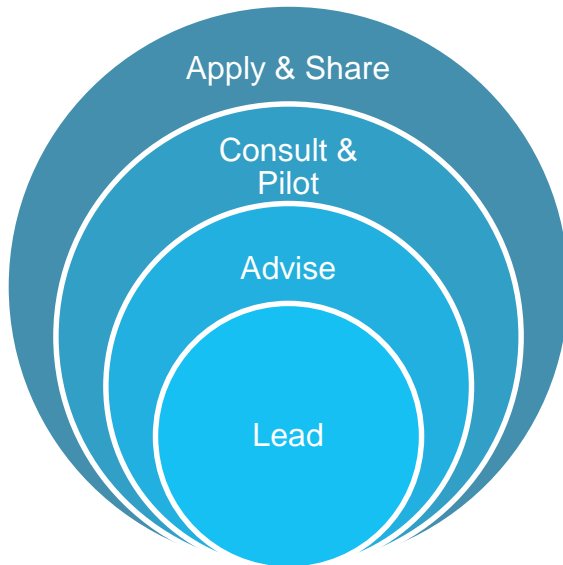


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Do you want to simply **stay informed**?

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For More Information

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QUESTIONS?