

The background of the slide is a close-up photograph of coral, rendered in a monochromatic blue color. The coral's intricate, porous structure is clearly visible, creating a textured and organic backdrop for the text.

cordap

Coral Research
& Development
Accelerator
Platform

Coral Accelerator Program (CAP) 2024

What is G20 CORDAP? - COral Research and Development Accelerator Platform

A G20 initiative focused on accelerating international research and development (R&D) targeting the most important knowledge gaps in coral conservation and restoration.

Launched during the Saudi Arabian G20 presidency, it is a not-for-profit foundation funded by voluntary contributions. Saudi Arabia's contribution is \$100M over 10 years— our target is \$300M to invest in innovation for coral conservation.

CORDAP's main activity is the funding, management, and execution of coordinated, collaborative, and targeted global R&D programs for coral conservation and restoration.

Includes an Initiative Governing Committee (IGC) composed of member countries and coral organizations and an international Scientific Advisory Committee (SAC).

King Abdullah University of Science & Technology (KAUST) resources, hosts, and supports administration— 100% of all contributions go to the funded coral conservation/restoration projects.



CORDAP – an initiative to save corals and restore reefs through science, technology, and capacity development



Focused on R&D

We are the only international organization fully dedicated to funding international collaborative R&D on coral conservation and restoration.



Fostering Global Collaboration

Integrate the abilities of the world's best scientific minds, from all nations, along with users and communities to develop effective solutions for coral conservation.



Committed to Scalability

CORDAP-funded projects will deliver innovative coral restoration solutions fit for large-scale intervention.



Accessible to Everyone, Everywhere

Our solution are open access, will allow any organization to advance and use its technologies. Developed technologies must be made affordable and accessible

Global R&D spending is forecasted to reach over USD 2.5 trillion in 2024; however, ocean, coral, and reef research remains incredibly underfunded.

CORDAP – Goals and Objectives

Fund and deliver the best novel scientific and technological solutions to conserve and restore corals and reefs

a

Connect existing national, regional, and international R&D programs

b

Develop and share novel scientific tools

g

Support a gender-balanced, transdisciplinary, global community of scientists, technologists, and innovators to achieve the goals

c

Facilitate access to information & research facilities

f

d

Provide advanced R&D training to scientists from developing and least developed countries

e

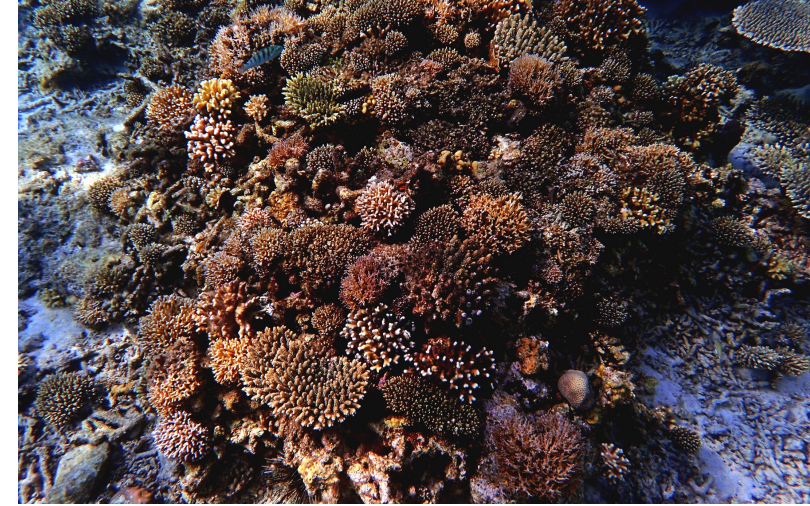
Engage the R&D capacity of the private sector with the goals



Ambitious, inclusive, and unique in its mission – A global effort including all tropical, shallow, and deep-water corals: *No Corals Left Behind*



CORDAP's "Coral Accelerator Program" (CAP): objectives and goals



- CORDAP will deliver:
 - technologies, methods, and processes that can be applied in conservation and restoration efforts across the world.
 - innovation crucial to filling the significant gap between current and required global capabilities.
- Projects funded under this program are expected to lead to *significant discoveries, innovations, and improvements* over the current state-of-the-art.
- Proposals *transcending different disciplines and fields, and including end-users* in the research, design, and development of projects, are strongly encouraged - *identify suitable partners* and groups that can further develop and deploy the proposed technologies.



Important:

Must have a developing country partner.

Use the OECD list →

Note that “upper middle income” countries are eligible.

LEAST DEVELOPED COUNTRIES	LOW INCOME COUNTRIES (per capita GNI ≤ \$1,045 in 2020)	LOWER MIDDLE INCOME COUNTRIES AND TERRITORIES (per capita GNI \$1,046-\$4,095 in 2020)	UPPER MIDDLE INCOME COUNTRIES AND TERRITORIES (per capita GNI \$4,096-\$12,695 in 2020)
Afghanistan (L) Angola (LM) Bangladesh (LM) Benin (LM) Bhutan ¹ (LM) Burkina Faso (L) Burundi (L) Cambodia (LM) Central African Republic (L) Chad (L) Comoros (LM) Democratic Republic of the Congo (L) Djibouti (LM) Eritrea (L) Ethiopia (L) Gambia (L) Guinea (L) Guinea-Bissau (L) Haiti (LM) Kiribati (LM) Lao People's Democratic Republic (LM) Lesotho (LM) Liberia (L) Madagascar (L) Malawi (L) Mali (L) Mauritania (LM) Mozambique (L) Myanmar (LM) Nepal (LM) Niger (L) Rwanda (L) Sao Tome and Principe ¹ (LM) Senegal (LM) Sierra Leone (L) Solomon Islands ¹ (LM) Somalia (L) South Sudan (L) Sudan (L) Tanzania (LM) Timor-Leste (LM) Togo (L) Tuvalu (UM) Uganda (L) Yemen (L) Zambia (LM)	Democratic People's Republic of Korea Syrian Arab Republic	Algeria Belize Bolivia Cabo Verde Cameroon Congo Côte d'Ivoire Egypt El Salvador Eswatini Ghana Honduras India Indonesia Iran Kenya Kyrgyzstan Micronesia Mongolia Morocco Nicaragua Nigeria Pakistan Papua New Guinea Philippines Samoa Sri Lanka Tajikistan Tokelau* Tunisia Ukraine Uzbekistan Vanuatu Viet Nam West Bank and Gaza Strip Zimbabwe	Albania Argentina Armenia Azerbaijan Belarus Bosnia and Herzegovina Botswana Brazil China (People's Republic of) Colombia Costa Rica Cuba Dominica Dominican Republic Ecuador Equatorial Guinea Fiji Gabon Georgia Grenada Guatemala Guyana Iraq Jamaica Jordan Kazakhstan Kosovo Lebanon Libya Malaysia Maldives Marshall Islands Mauritius Mexico Moldova Montenegro Montserrat* Namibia Nauru ² (H) Niue* North Macedonia Palau Panama Paraguay Peru Saint Helena* Saint Lucia Saint Vincent and the Grenadines Serbia South Africa Suriname Thailand Tonga Turkey Turkmenistan Venezuela ³ Wallis and Futuna*

(1) General Assembly resolution A/73/L.40/Rev.1 adopted on 13 December 2018 decided that Bhutan will graduate five years after the adoption of the resolution, i.e. on 13 December 2023, and that São Tomé and Príncipe and Solomon Islands will graduate six years after the adoption of the resolution, i.e. on 13 December 2024.

(2) Nauru exceeded the high-income threshold in 2019 and 2020. In accordance with the DAC rules for revision of this List, if it remains a high income country until 2022, it will be proposed for graduation from the List in the 2023 review.

(3) Venezuela has been temporarily unclassified by the World Bank in July 2021 pending release of revised national accounts statistics. Estimated placement on the List.

*Countries and territories not classified in World Bank income groups. Estimated placement on the List.

Note: L, LM, UM and H shown after country names refer to the latest World Bank income classifications of: LDCs and any high-income countries that have not yet met the criteria for graduation. For the World Bank's current 2021 fiscal year, low-income (L) economies are defined as those with a GNI per capita, calculated using the World Bank Atlas method, of USD 1,045 or less in 2020; lower middle-income (LM) economies are those with a GNI per capita between USD 1,046 and USD 4,095; upper middle-income (UM) economies are those with a GNI per capita between USD 4,096 and USD 12,695; high-income (H) economies are those with a GNI per capita of USD 12,696 or more. The countries and territories within the classifications of 'Low Income Countries', 'Lower Middle Income Countries and Territories', and 'Upper Middle Income Countries and Territories' exclude those that are not LDCs.

CORDAP's third call - CAP 2024

This program will fund *international collaborative research teams* with impactful ideas in coral conservation and restoration.

Eligible projects can span across the full range of novel early-phase projects through to final proof-of-concept development and testing.

1. **\$1.5M per project – projects can run between one and three years in length.**
2. **Budget for 2024 call – approx. USD\$8.5M**

The first stage is the submission of a Concept Note (pre-proposal).

Red Sea bleaching (Aug. 2024)



CORDAP CAP – Project Types and Priority Areas

Call will support a wide range of project types:

- Novel R&D projects
- Improving or scaling up existing interventions
- Translational R&D
- Fundamental science to support implementation of interventions
- Capacity development+local innovation and implementation

CORDAP has also been organizing a range of workshops with wide participation on specific topics that require further investigation before targeted investment.

Priority Areas

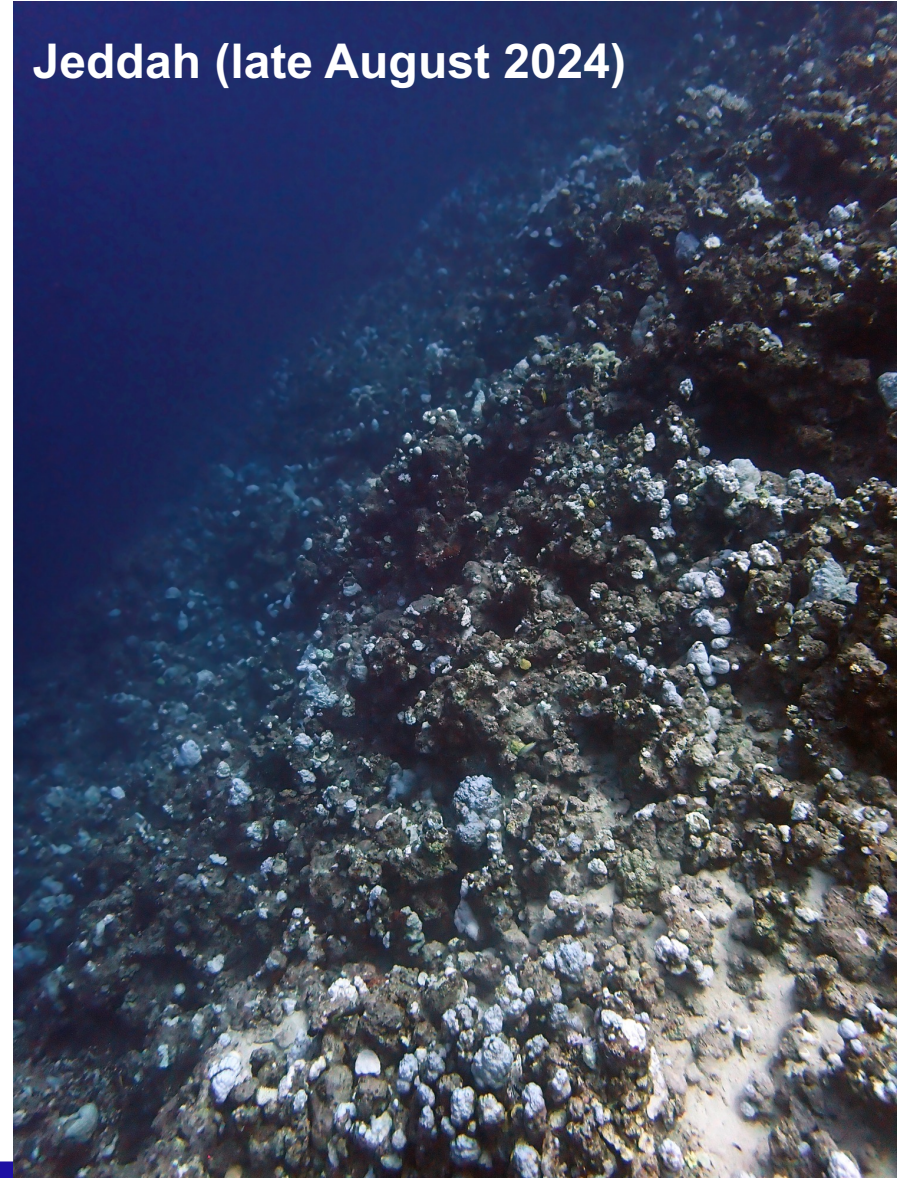
1. Preservation and conservation of corals
2. Intervention planning, risk, and monitoring
3. Limiting mortality of early life stage corals
4. Methods to blend natural and artificial reef recovery
5. Developing country R&D methods
6. R&D capacity development
7. Assisted evolution of corals
8. Coral aquaculture
9. Cold-water corals



CORDAP CAP 2024– Key Dates

1. Launched on September 2nd – CALL NOW OPEN
2. Call Webinars – Sept. 18th - 6am and 3pm UTC
3. Concept Note submission deadline: October 21st 5pm UTC
4. Anticipated notification/invitation to submit Full Proposal – late-Dec. 2024
5. Anticipated funding notifications – July 2025

Jeddah (late August 2024)



CORDAP Scoping Studies– Technology Road Maps - <https://cordap.org/studies-roadmaps/>

CORDAP Scoping Studies are short-term (< 6 months) activities, centered around a workshop, that bring together world experts in relevant topics, with the outputs being:

- **Summary of current knowledge**
- **Recommended priorities and options for funding and investment**
- **Technology Roadmaps to help align and guide global R&D efforts in the area**

Coral R&D Capacity Development
Helping to build the research, development, and technical capacity of developing nations.
Workshop was held in Mombasa, Kenya, March 12-14th 2024.

Natural Adaptation and Assisted Evolution of Corals

Workshop hosted at KAUST, Saudi Arabia with AIMS, 24-27th Jan 2023



CORDAP R&D TECHNOLOGY ROADMAP FOR
**UNDERSTANDING NATURAL
ADAPTATION AND ASSISTED
EVOLUTION OF CORALS TO
CLIMATE CHANGE**

Coral Aquaculture (Innovative Technologies for Reef Restoration)

Workshop hosted by CORDAP and KAUST Reefscape Restoration Initiative at KAUST, Saudi Arabia, 2023



**EXPLORING THE
FRONTIER OF CORAL
AQUACULTURE**

CORDAP R&D TECHNOLOGY ROADMAP



Managing Ecological Risks of Coral Reef Interventions

Workshop hosted by AIMS and held in Brisbane, Australia from 22nd to 25th of January 2024.



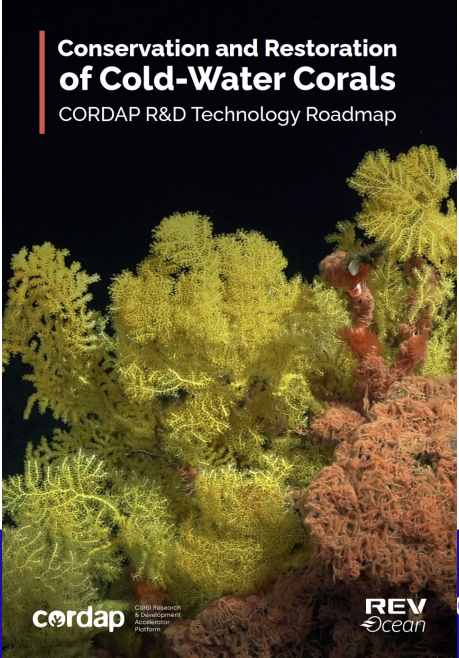
**MANAGING THE
ECOLOGICAL RISKS OF
CORAL REEF INTERVENTIONS**

CORDAP R&D TECHNOLOGY ROADMAP



Cold Water Corals - Conservation and Restoration

Workshop held in Oslo, Norway hosted by RevOcean, May 10-12th 2023



**Conservation and Restoration
of Cold-Water Corals**
CORDAP R&D Technology Roadmap



CORDAP Funding

Coral R&D Funding Programs

- Coral Accelerator Program (CAP) – funds global collaborative R&D projects up to \$1.5M over 3 years.
- CAP 2022 – \$18M awarded to 14 projects (now underway).
- CAP 2023 – \$10M awarded to 8 projects, which will start soon.
- CAP 2024 – Launched on September 2nd.
- NEW – Small Grants Program for developing countries to be launched at start of 2025.

In CAP 2023, over US \$159 million was requested from 120 proposals with 605 applicants involving 85 countries.

You are all very aware of the crisis corals, and ourselves, are facing. CORDAP needs all the help it can get to fund these critical projects to ensure sustainable coral reef conservation and/or restoration AFFORDABLE and at the scale we need – there is a BIG OPPORTUNITY to get involved and help fund this work!

