

Call For Innovation: Measuring, Monitoring and Verification of Carbon Management

Q&A Session

June 27, 2023

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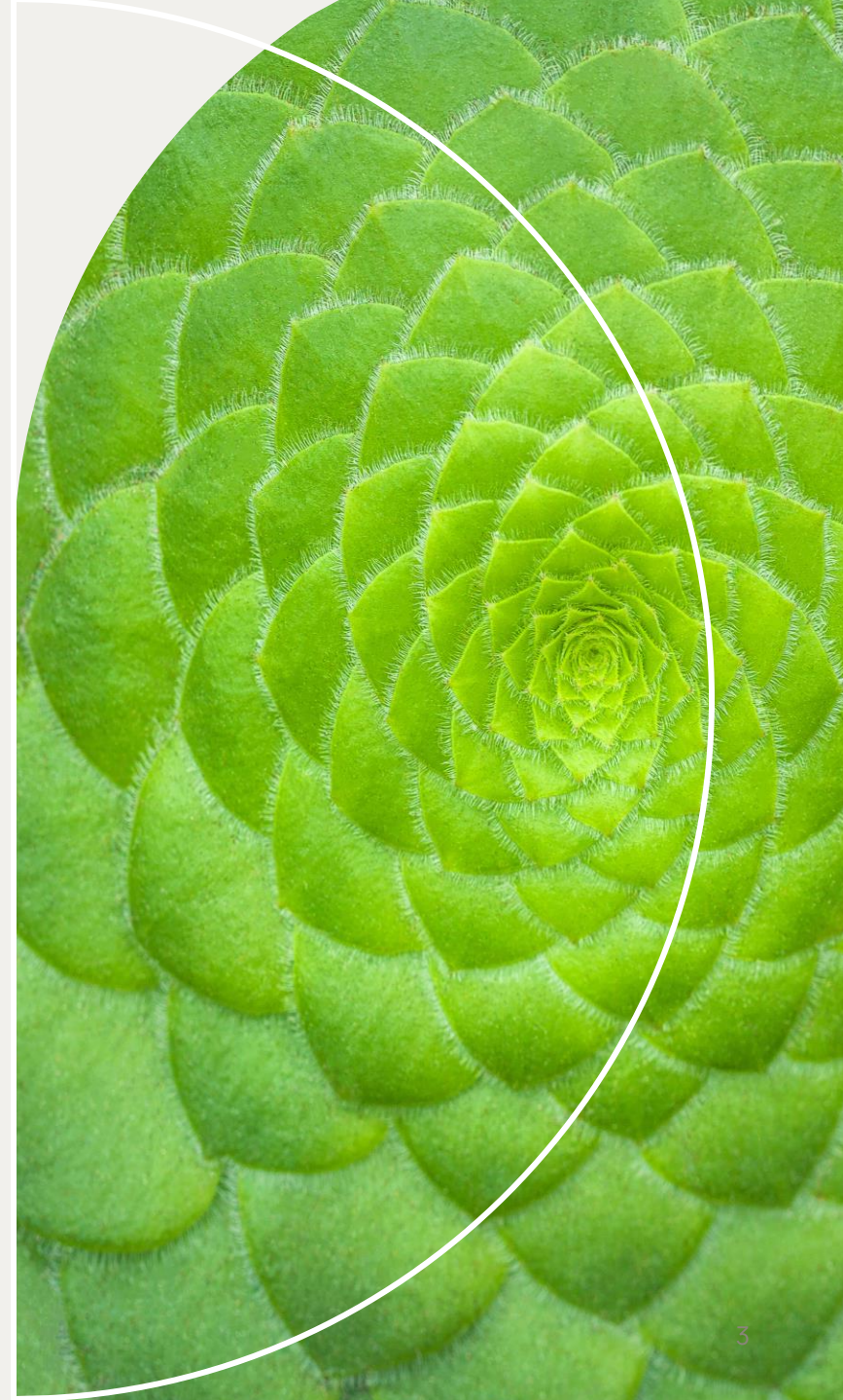
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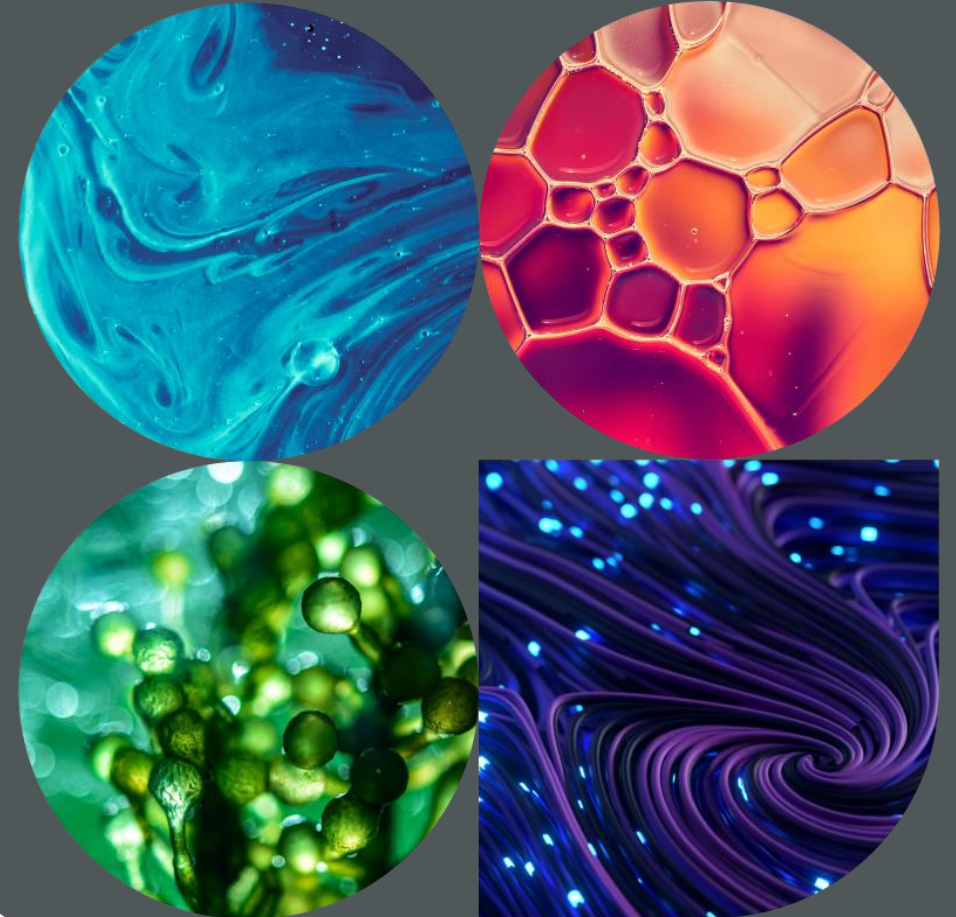


Focus of today's session:

- B.C. Centre for Innovation and Clean Energy (CICE)
- Call for Innovation: Measuring, monitoring and verification (MMV) of carbon management



Before we dive in....



Poll Question:
Where are you joining the webinar from?

CICE Fast-tracking innovation like the planet depends on it. Because it does.

Who is CICE?

- Independent not-for-profit organization
- Founded: fall 2021
- \$105M raised through public/private Member partnerships and grants:
 - Government of British Columbia
 - Shell Canada
 - NRCan (Government of Canada)



Why we exist

- Accelerate the world toward to a net zero carbon future: efficiently + effectively
- Mobilize industry, government, academia and Indigenous rights holders to expand and adopt clean energy innovation
- Fund the development and global scaling of made-in-B.C. clean energy technologies
- Build new member partnerships to unleash new decarbonization possibilities

Companies supported by CICE

 ANODYNE

 ATLAS POWER TECHNOLOGIES

 Cascadia SEAWEED

 ARCA

 Corvus Energy

 EKONA

 H2 PORTABLE
CLEAN POWER. ANYWHERE.

 HEXAGON PURUS

 HTEC
FUELING THE DRIVE TO HYDROGEN

 hydra

 HYDRON

 illumining power

 INVINITY ENERGY SYSTEMS

 LAFARGE

 MANGROVE LITHIUM
Unlocking a battery-powered future

 metrovancover

 moment energy

 PARKLAND

 RAINHOUSE
MANUFACTURING CANADA LTD.

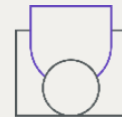
 TAKACHSR



LOW CARBON BIO & SYNTHETIC FUELS



BATTERY & ENERGY STORAGE



CARBON MANAGEMENT



LOW CARBON HYDROGEN

How CICE supports what is needed



INTELLIGENCE



BROAD
CONSULTATION



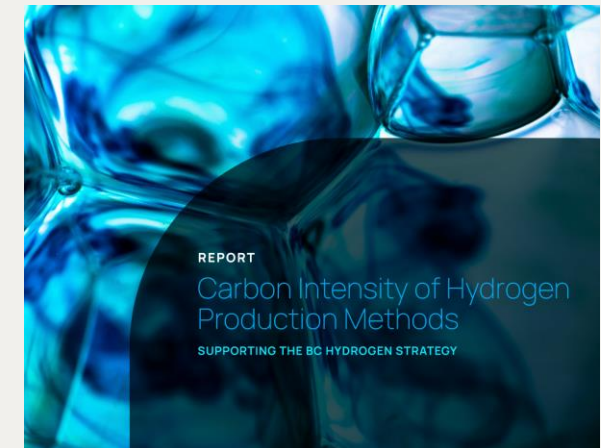
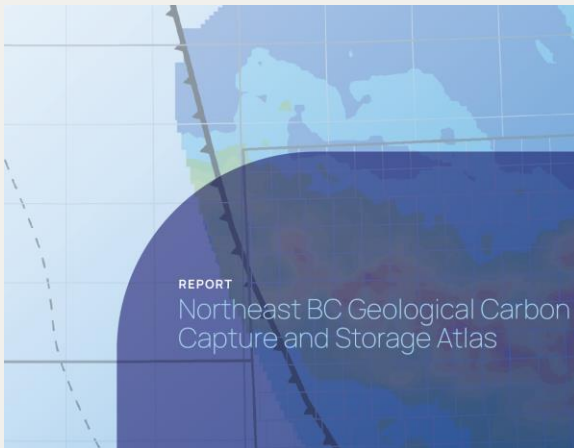
DEFINE DIRECTED
CALL



RECEIVE & EVALUATE
PROPOSALS



AWARD FUNDING



CICE Call for Innovation

Measurement, Monitoring
and Verification (MMV) of
Carbon Management

**APPLICATIONS ACCEPTED
JUNE 29-JULY 28, 2023**

Carbon Management Blueprint

How we got here:

- Engineered, nature-based and hybrid solutions are vital
- Scalability is enhanced by market and policy accelerants
- Robust measuring, monitoring and verification (MMV) plans are key to unlocking climate/carbon financing

Poll Question:
Which carbon management solution are you representing?



Carbon
Management
Blueprint

**Attracting investment in
British Columbia**

MARCH 2023

Measuring, monitoring and verification (MMV)

Complex, but necessary:

- Growing recognition in the significance of MMV's role in shaping the carbon market
- Complexities and barriers surrounding MMV:
 - Measurement accuracy
 - Data availability and quality
 - Additionality/Permanence
 - Cost and resource considerations



MMV for Carbon Management

B.C.'s unique opportunity

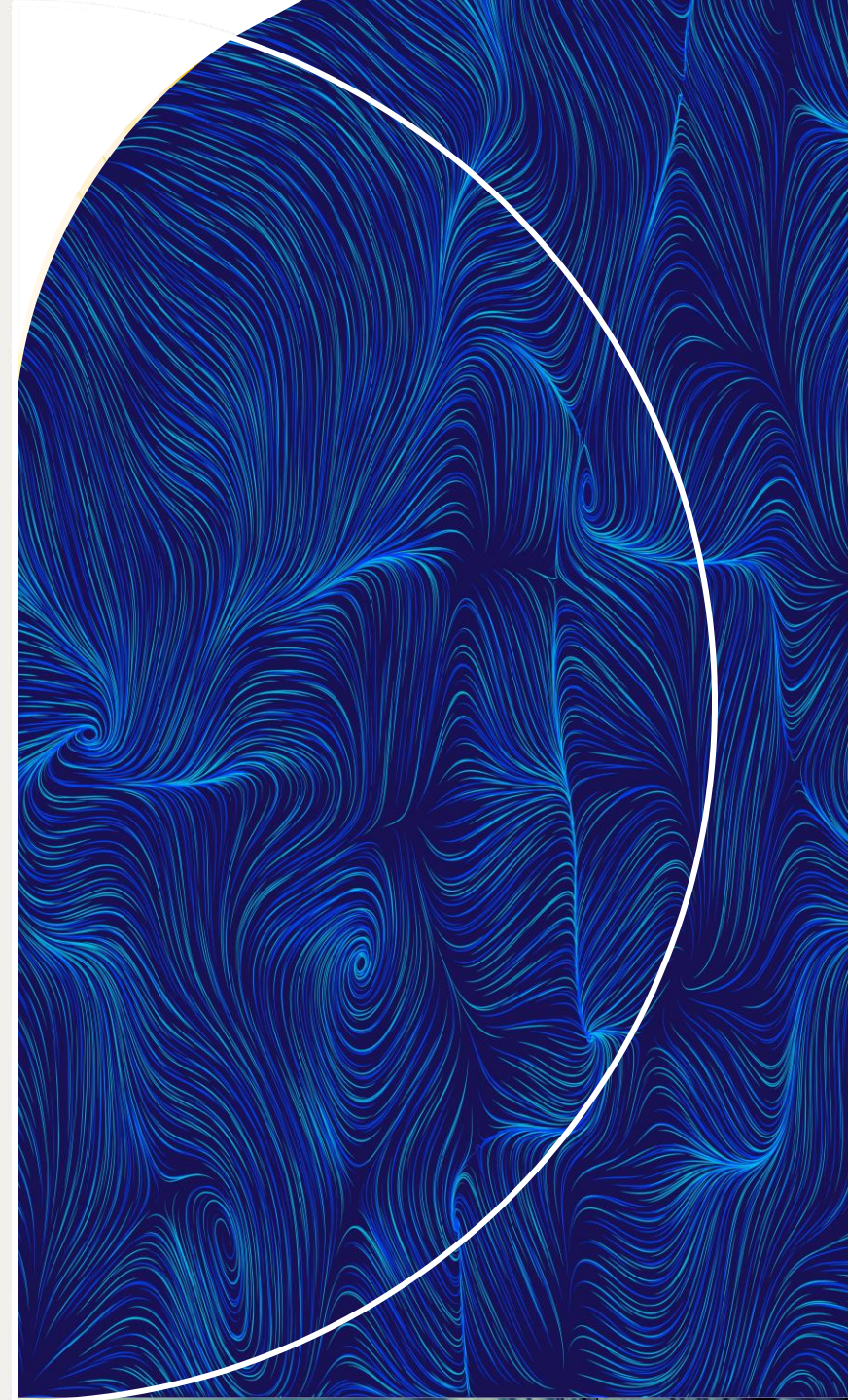
- Leader in advancing carbon management solutions
- Establishing MMV pathways and innovations
- Comprehensive understanding of climate impact of emission removal, reduction and avoidance.



MMV for Carbon Management

Bias for Action

- Ideation – Gathering intelligence to identify gaps in tech and urgent problems
- Generation – Analyze requirements and translate to action
- Activation – Mobilize network, fund solutions
- Opportunity: **\$3 million total in funding available**



Project Proposal Q&A

- What makes a good project?

- Scalable innovation that is replicable to create greatest impact to enable global decarbonization
- Advancing solutions with a Technology Readiness Level (TRL) of 4-9
- Environmental, social, governance (ESG) and economic impact

Project Proposal Q&A

What types of solutions are eligible?

- Commercially viable pathways that enhance MMV of engineered, nature-based or hybrid carbon management pathways, such as:
 - Mineralization/geological sequestration
 - Ocean carbon removal (e.g. OAE)
 - Coastal carbon management (blue carbon)
 - Forestry management solutions
 - Soil carbon removal
- Proposals that include data management platforms that optimize the commercialization of carbon management solutions

Project Proposal Q&A

Is this a call for innovative technologies or for developing MMV protocol?

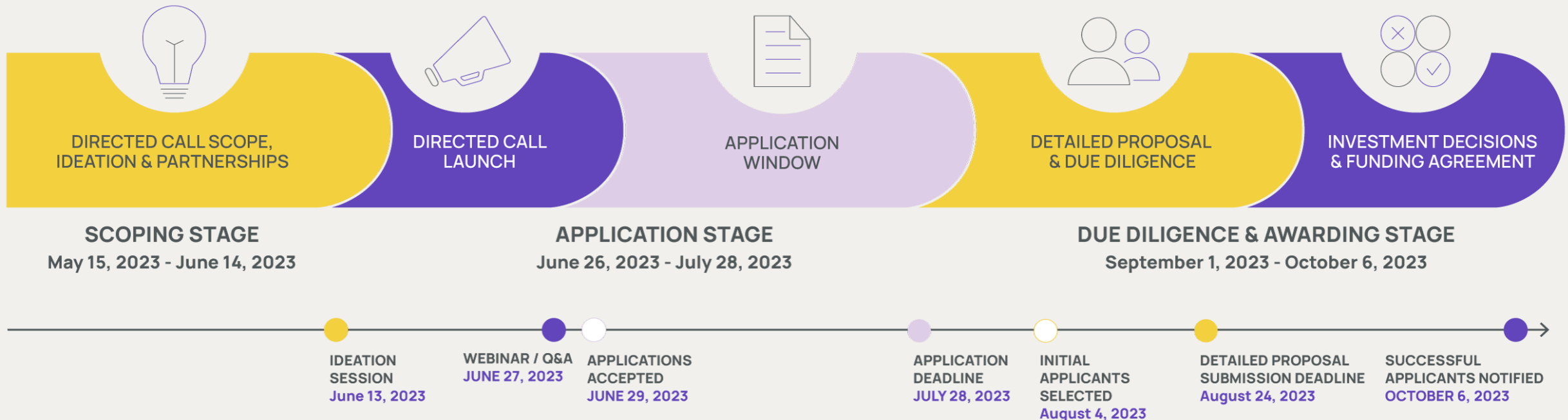
- This call is to support the commercialization and replication of innovative MMV technologies that will optimize and enhance the impact of carbon management solutions.
- While we understand companies are achieving work that will support the growth of MMV protocols, CICE's funds are to support the scaling of innovations.

Project Proposal Q&A

How are you evaluating the strength of MMV solutions to fund?

- We are evaluating applicants based on their potential impact to enable and scale carbon management solutions.
- As part of CICE's due diligence, we have partnered with a GHG verification team to support potential impact and scale of proposed solutions.

Describe the application process & key dates



Final Poll Question:
Are you applying to the MMV for carbon
management call for innovation?



Funding Q&A

What is the maximum amount of funding per project?

- There is no limitation on the amount of funding requested, however smaller requests will be prioritized to accommodate multiple solutions.
- CICE intends to fund several projects of different sizes for a total up to \$3M

Funding Q&A

When can the funding be used?

- Contribution agreements for awarded projects will be put in place by October 6th, 2023
- Projects must start within 6 months of signing a contribution agreement
- The funding schedule will be specific to the project and aligned with the project spending and completion of pre-determined milestones

Funding Q&A

How can the funding be used?

- Salaries, consultants & project management
- Demonstration: Sites, operating costs, pilot production
- Prototypes
- Integrating system components
- Scaling up manufacturing

Funding Q&A

What is
outside the
funding
scope?

- Day-to-day business operations
- Unrelated purchase capital equipment/leasehold improvements
- Furniture/equipment for routine business
- Advertising/forms of business promotion
- Human resource overhead

Funding Q&A

What are the rules on stacking limits and leveraging funds from other programs?

- CICE funding can be stacked with funds from other programs and leveraged to obtain additional funding
- Projects with strong co-funding and commercial support will be prioritized

Funding Q&A

Can organizations have more than one application or project funded with CICE?

- Yes. One organization can apply for different projects and have multiple funded projects under CICE programs.

Any other questions?

Email: MMV2023@cice.ca

More information: www.cice.ca



<https://www.linkedin.com/company/bccice>