

Call for innovation: wildfire technology

Q&A session

PRESENTERS

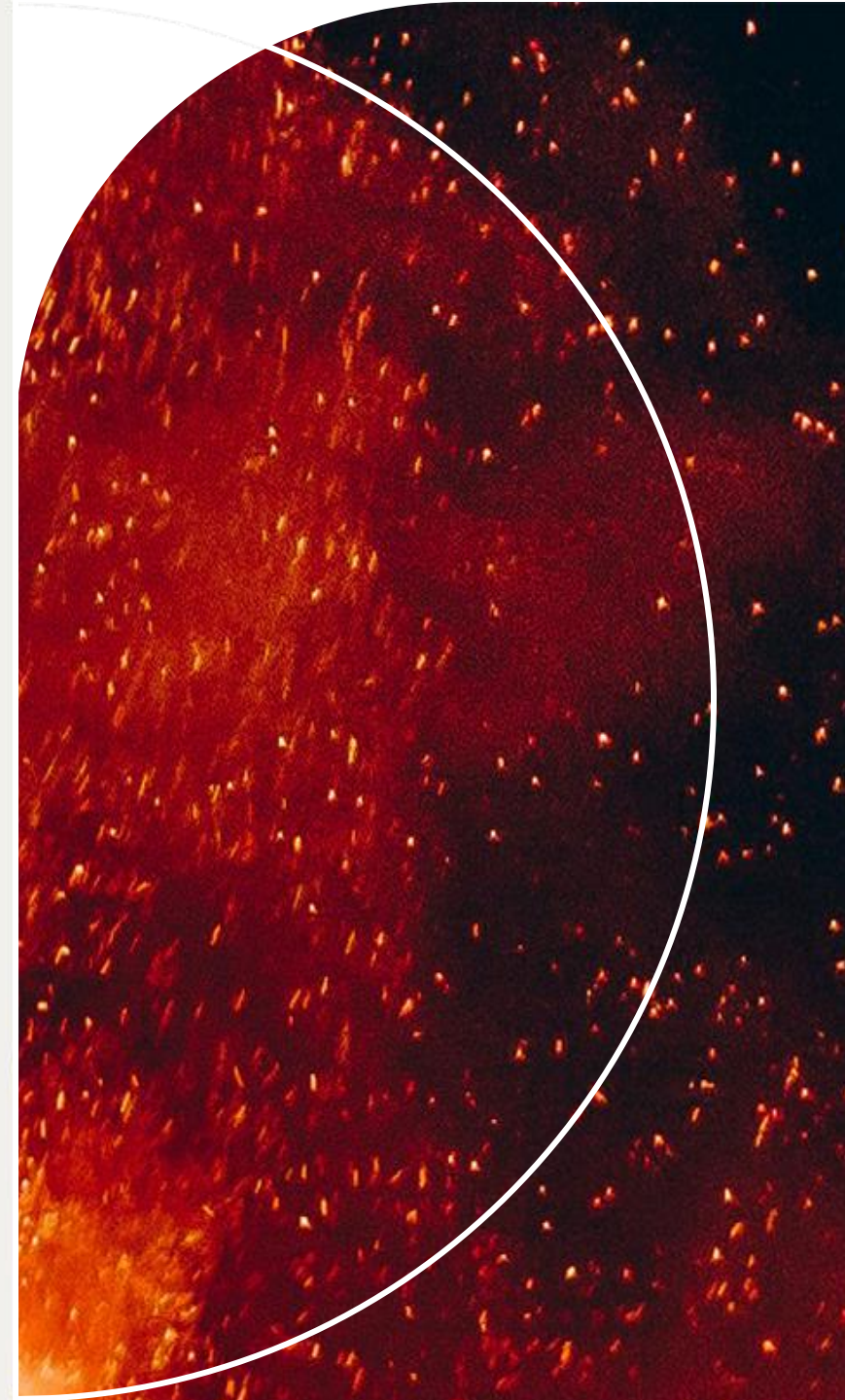
Chantelle Carden, Carbon Management Lead, CICE

Ashley Callister, Low Carbon Fuels Lead, CICE

Evan Horvath, Portfolio Analyst, CICE

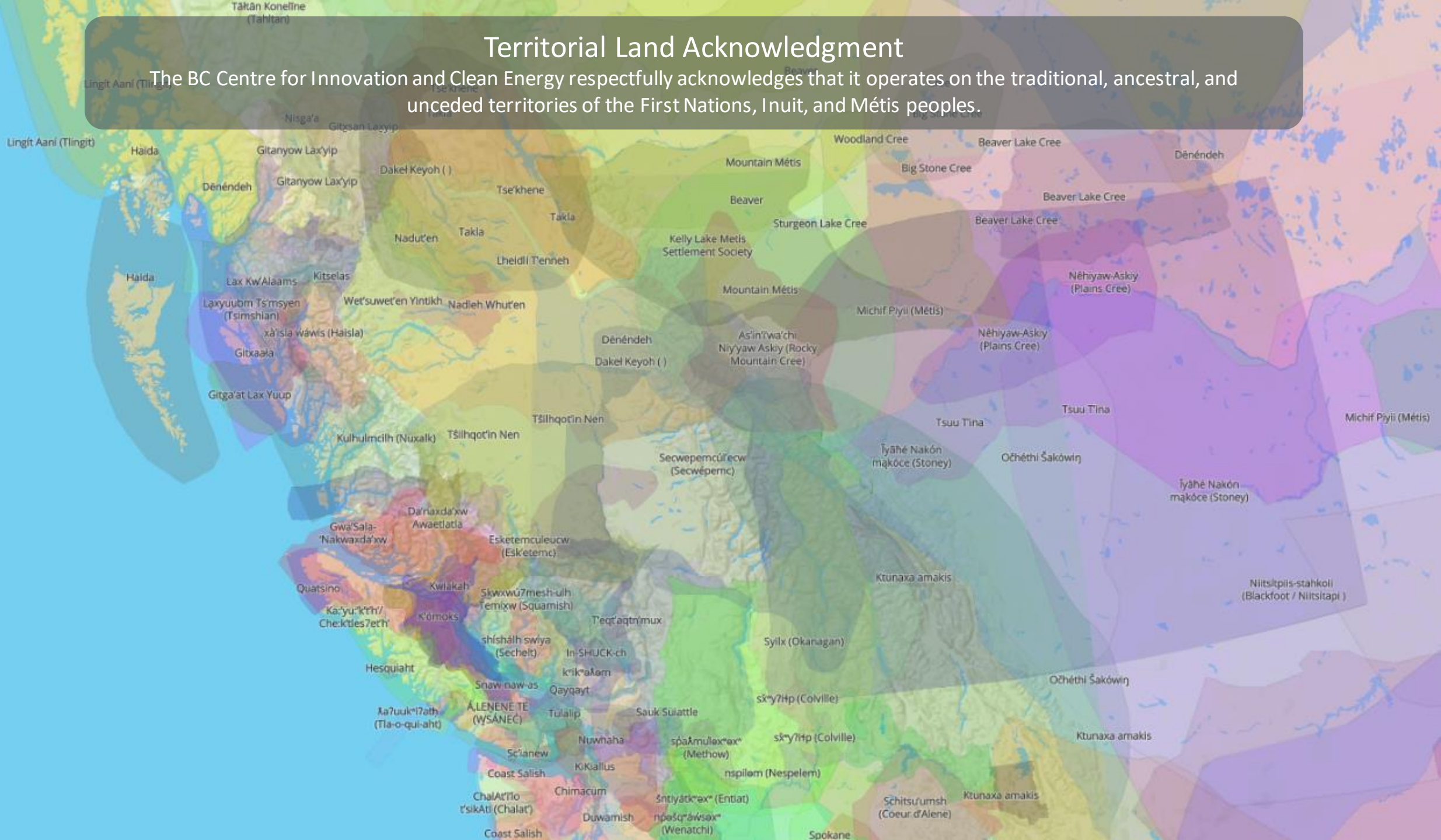
May 30th, 2024

wildfiretech2024@cice.ca



Territorial Land Acknowledgment

The BC Centre for Innovation and Clean Energy respectfully acknowledges that it operates on the traditional, ancestral, and unceded territories of the First Nations, Inuit, and Métis peoples.





Welcome

AGENDA

1.

Overview of
B.C. Centre for
Innovation and
Clean Energy
(CICE)

2.

Call for
innovation:
wildfire
technology

3.

Process and
parameters

4.

Q&A

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

- » **Lead early-stage, catalytic seed investment into innovation** where the lack of validation and revenue metrics are often a barrier to funding
- » **Drive market adoption and scale-up** to adopt cleantech faster and more cost effectively – at less risk
- » **Enable a world-class clean energy sector** to leverage B.C.'s natural resources and clean energy advantages and attract global investment, build IP, create good jobs and lead a prosperous economy

OVERVIEW OF CICE



\$ 145M

TOTAL PROJECT FUNDING



\$ 23M

INVESTMENT BY CICE

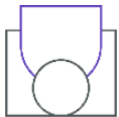


1.02MT/YR

T/YR POTENTIAL GHG ABATEMENT



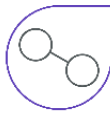
BATTERY & ENERGY STORAGE



CARBON MANAGEMENT



LOW CARBON BIO & SYNTHETIC FUELS



LOW CARBON HYDROGEN

COMPANIES SUPPORTED BY CICE

ANODYNE

ARCA

ATLAS POWER
TECHNOLOGIES

Cascadia
SEAWEED

Coastal Carbon

Corvus Energy

CURAT

DEADWOOD
INNOVATIONS

EKONA

FPInnovations

H2 PORTABLE
CLEAN POWER. ANYWHERE.

HTEC
FUELING THE DRIVE TO HYDROGEN

hydra

HYDRON

illuming
power

INNOVATREE
CARBON GROUP

INVINITY
ENERGY SYSTEMS

LAFARGE

Lheidli T'enneh

MANGROVE LITHIUM
Unlocking a battery-powered future

Metaspectral

metrovancover
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

miraterra

moment
energy

Parkland

Quatern
Forest Products

RAINHOUSE
MANUFACTURING CANADA LTD.

SFU
SIMON FRASER
UNIVERSITY

TAKACHSR
TECHNOLOGY • EQUITY • ENVIRONMENT

VULCANIX

CICE

An aerial photograph of a dense forest. A fire line is visible, cutting through the trees from the bottom left towards the top right. The fire is bright orange and red, with thick white smoke rising from it, partially obscuring the trees in the upper left quadrant. The trees are mostly green, with some yellowing, suggesting a fire in progress.

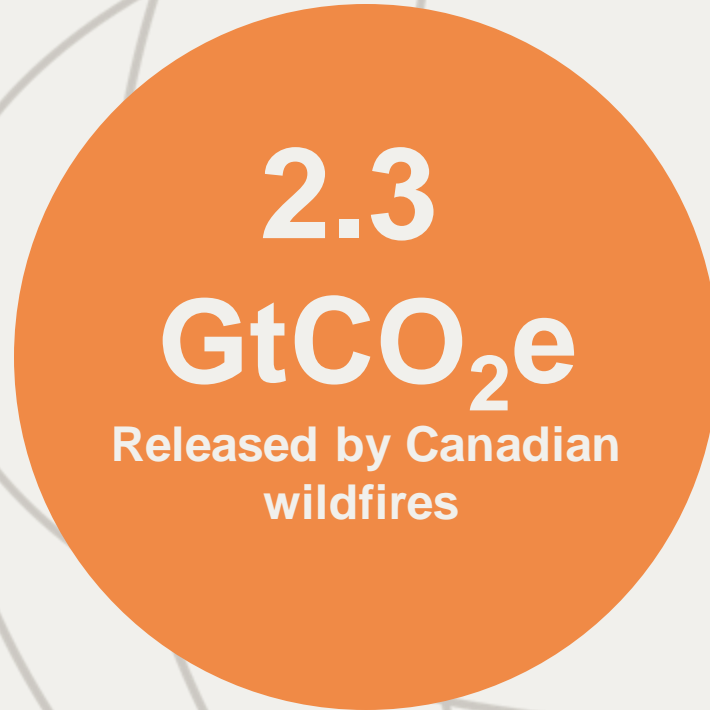
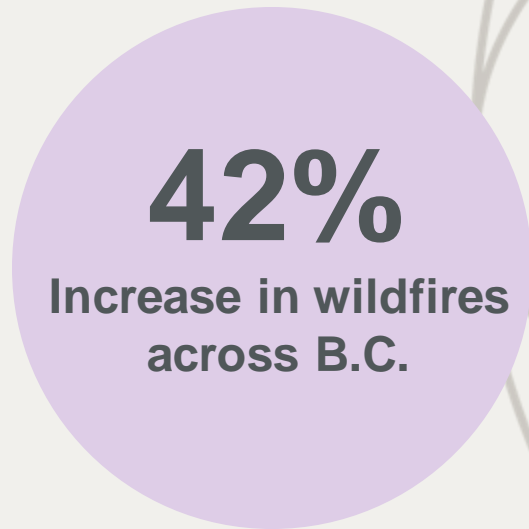
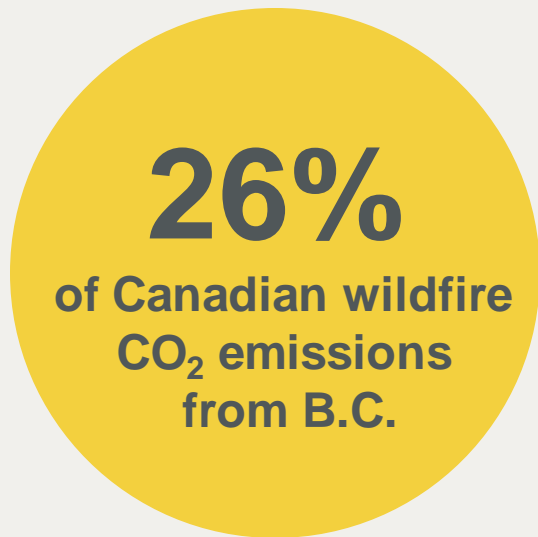
BEFORE WE DIVE IN....

Where are you
joining the webinar
from?



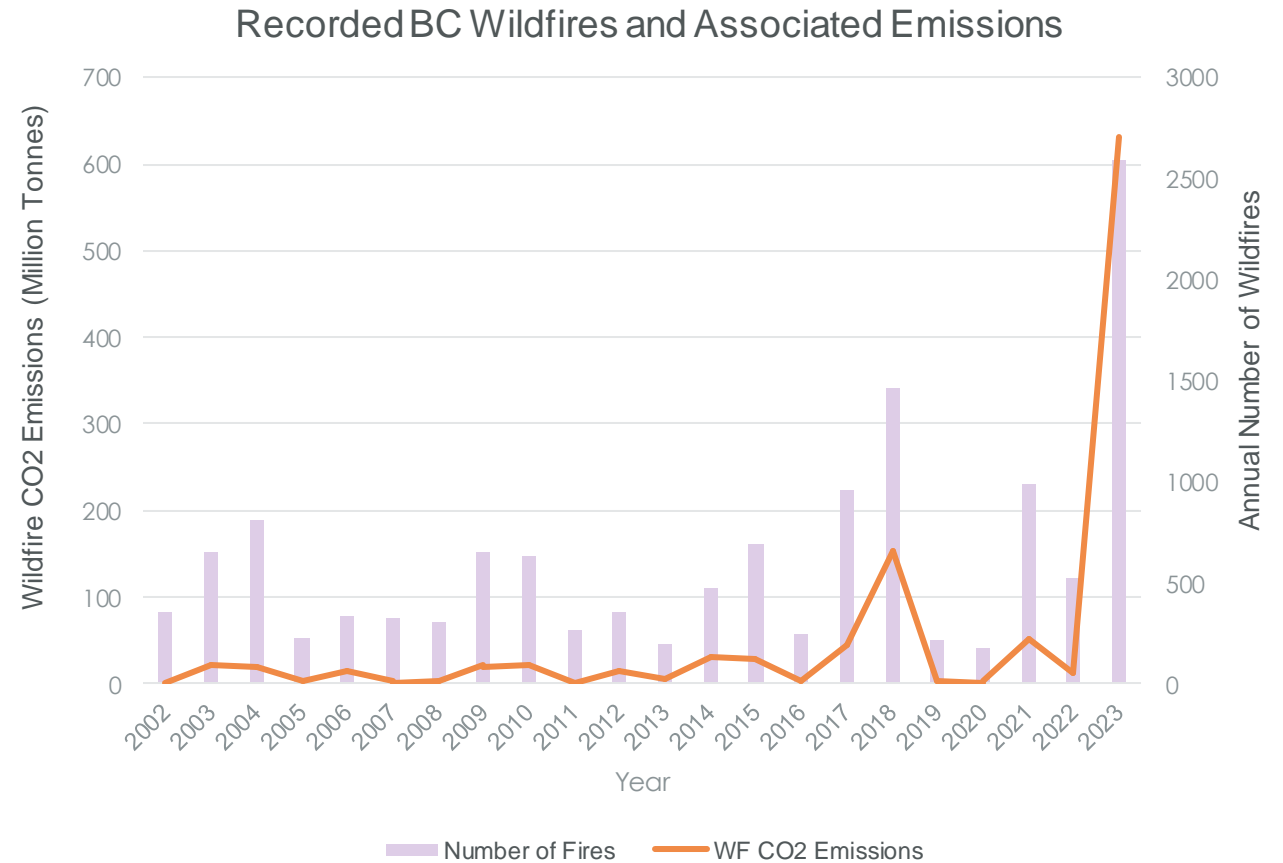
Call for innovation: wildfire technology

IDENTIFYING THE PROBLEM



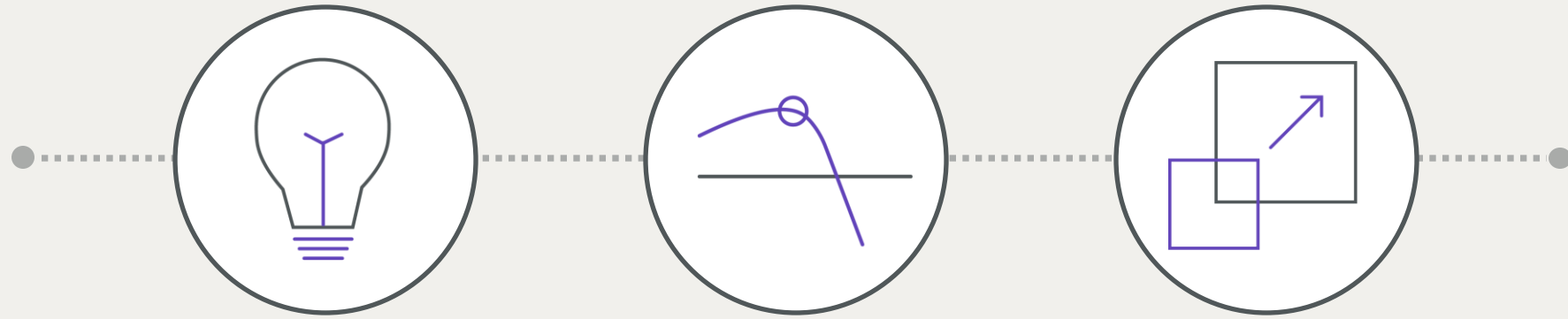
THE OPPORTUNITY FOR B.C.

- » **Accelerate innovation** to manage wildfire impacts on responders, communities and ecosystems
- » **Catalyze collaboration** with stakeholders across the entire value chain
- » **Become a leader** in advancing rapid deployment of wildfire solutions



Data collected from Global Fire Emissions Database (GFED) within Global Wildfire Information System (GWIS).

THE CALL TO ACTION



IDEATE

Determine gaps in
innovation

INTEGRATE

Generate novel
solutions

DISRUPT

Produce material
interventions



\$3 MILLION TOTAL NON-DILUTIVE INVESTMENT AVAILABLE



Q&A

1

Who can apply and what does CICE prioritize?

- » Projects must be delivered within B.C.
- » Priority will be given to projects where both the solution and company are based in B.C.
- » Priority will be given to solutions that are readily scalable and demonstrate co-benefits
- » Priority will be given to Indigenous opportunities/involvement

2

What types of solutions are eligible?

- » Technologies and business models that enhance the commercial deployment of wildfire management measures, such as:
 - » Prevention
 - » Mitigation
 - » Adaptation
- » Project activities may include demonstrations/pilot projects, innovative implementation, and novel linkage of existing system components

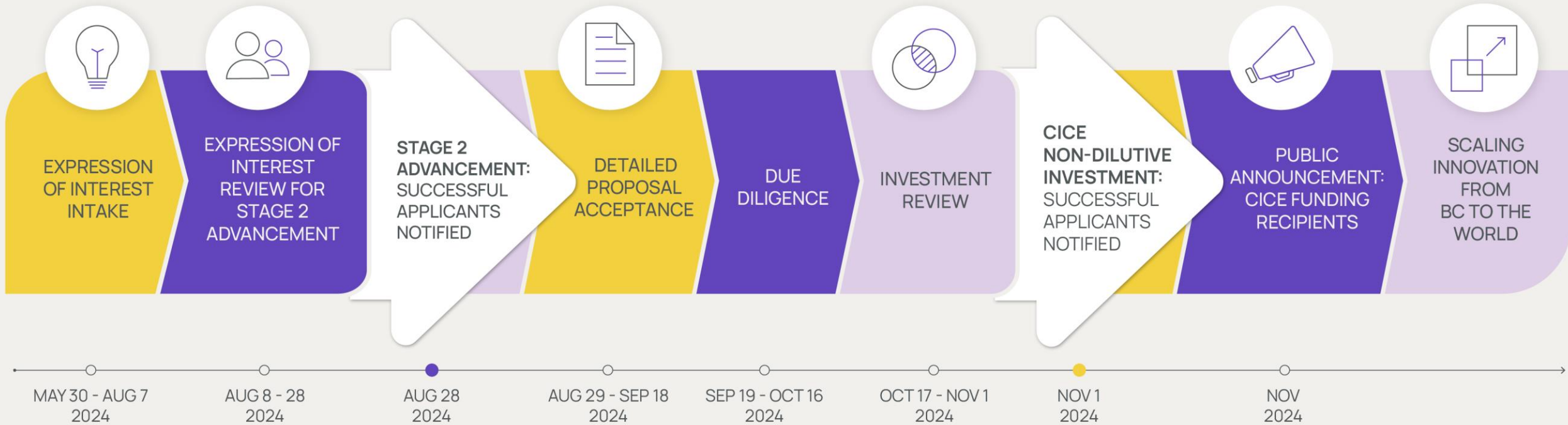
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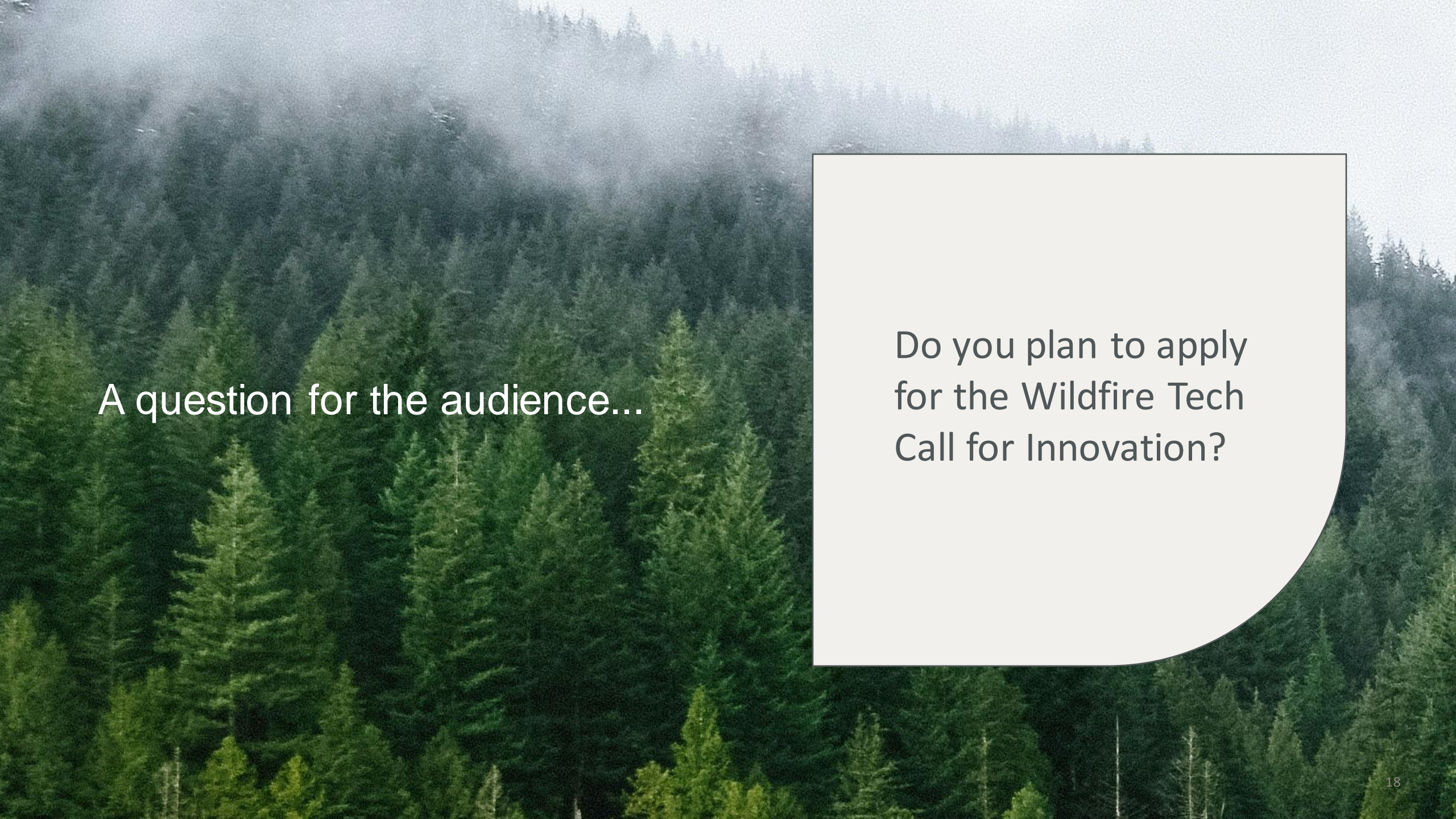
What makes a good project?

- » Scalable innovation that is replicable to address wildfire impacts across the world
- » Advancing solutions with a Technology Readiness Level (TRL) of 4-9
- » Robust environmental, social and economic impacts supported by effective governance

4 What is the application process and key dates?

2024 CICE Call for Innovation: Wildfire Tech





A question for the audience...

Do you plan to apply
for the Wildfire Tech
Call for Innovation?



Investment Q&A

5

What is the maximum amount of investment per project?

- » Up to 50% of total project cost
- » CICE intends to invest in several projects of different sizes with a total up to \$3M

6

When can the non-dilutive investment be used?

- » The funding agreement for the awarded projects will be put in place by end of November 2024 and projects must start within 6 months of signing.
- » Eligible expenses can only occur after the funding agreement is in place
- » The funding schedule will be specific to the project and aligned with the project spending and milestones completion

7

How can the investment be used?

- » Salaries, consultants & project management (direct to project).
- » Demonstration: sites, operating costs, pilot production
- » Prototypes
- » Integrating system components
- » Scaling up manufacturing

8

What is outside the investment scope?

- » Day-to-day business operations
- » Unrelated purchase capital equipment/leasehold improvements
- » Furniture/equipment for routine business
- » Advertising/forms of business promotion
- » Human resource markups
- » Studies and R&D

9

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

- » CICE investment can be stacked with funds from other programs and leveraged to obtain additional fundings
- » Projects with strong private funding and commercial support will be looked upon more favorably

10

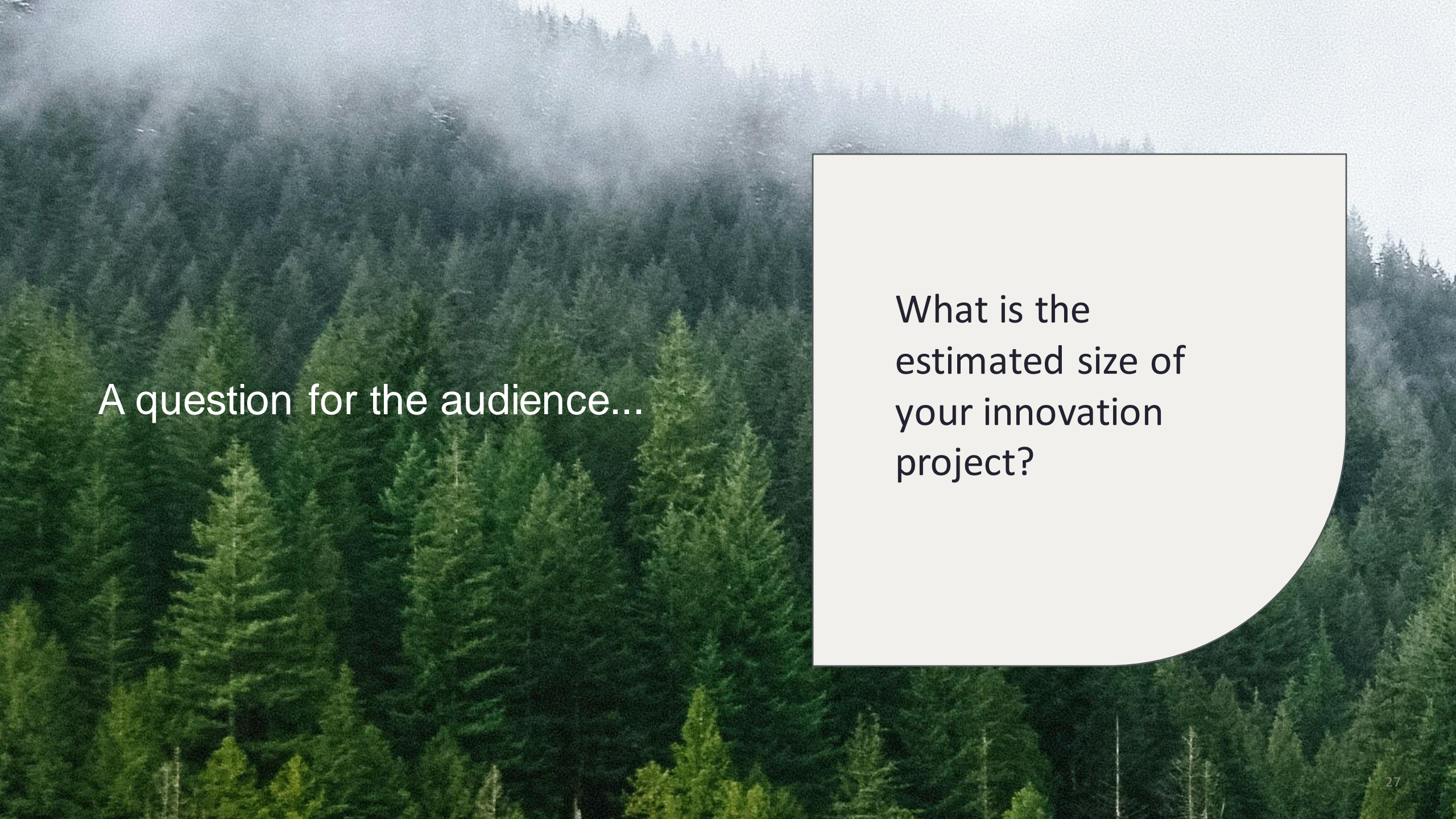
Can organizations have more than one application or project supported with CICE?

- » Yes. One organization can apply at the same time for different projects and have multiple supported projects under the CICE innovation programs

11

What is the structure of collaborative projects?

- » CICE accepts projects led by a consortium with a single lead organization as applicant



A question for the audience...

What is the
estimated size of
your innovation
project?



Questions?

The call is now open!

email: wildfiretech2024@cice.ca

application guide: cice.ca/wildfire

