



COORDINATING RESEARCH COUNCIL, INC.

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April 21, 2021

Dear Researcher,

The Coordinating Research Council (CRC) Real World Group (RWG) would like to invite you to submit your 2022 Project ideas for consideration at the May 24, 2021 Real World Group meeting.

To be considered for potential funding, please submit your RWG project idea proposals using the attached form by **May 20, 2021**. Submissions should be limited to one page.

The RWG research focus is currently on efforts to improve emissions measurement techniques, and the effects of fuel properties on vehicle emissions. Current topic areas and drivers include continued remote sensing device measurements and expansion to PM and evaporative emissions, fugitive emissions, Particulate Matter Index (PMI) development and validation, and Life Cycle Analysis. Other areas of potential interest include topics from recent Real World Emissions Workshops (further details can be found at <https://crcao.org/events/>).

A CRC technical group composed of industry representatives will evaluate your proposal. CRC reserves the right to accept or reject any or all proposals, and ideas generated from this proposal review may contribute to future projects that are competitively bid. Select proposals may be invited to submit full proposals for further consideration. The anticipated deadline for full proposals is **August 27, 2021**.

Your proposals should be submitted to:

Amber B. Leland

Email: aleland@crcao.org



CRC REAL WORLD GROUP

2022 Project Idea Proposal

Title:

Affiliation and Lead PI:

Estimated Cost & Possible Co-Funding Amount:

Background:

Project Objective:

Project Approach:

Benefits:

Project Deliverables: (suggested: monthly progress updates, Final Reports, Data, Others)

Schedule:

Key Personnel and/or Collaborators: (optional)

References: (optional)

CRC makes no guarantees on funding a proposal. If a full proposal is invited, CRC intellectual property policy applies and becomes the property of CRC.

EXHIBIT C

INTELLECTUAL PROPERTY RIGHTS

Title to all inventions, improvements, and data, hereinafter, collectively referred to as (“Inventions”), whether or not patentable, resulting from the performance of work under this Agreement shall be assigned to CRC. Contractor X shall promptly disclose to CRC any Invention which is made or conceived by Contractor X, its employees, agents, or representatives, either alone or jointly with others, during the term of this agreement, which result from the performance of work under this agreement, or are a result of confidential information provided to Contractor X by CRC or its Participants. Contractor X agrees to assign to CRC the entire right, title, and interest in and to any and all such Inventions, and to execute and cause its employees or representatives to execute such documents as may be required to file applications and to obtain patents covering such Inventions in CRC’s name or in the name of CRC’s Participants or nominees. At CRC’s expense, Contractor X shall provide reasonable assistance to CRC or its designee in obtaining patents on such Inventions.

To the extent that a CRC member makes available any of its intellectual property (including but not limited to patents, patent applications, copyrighted material, trade secrets, or trademarks) to Contractor X, Contractor X shall have only a limited license to such intellectual property for the sole purpose of performing work pursuant to this Agreement and shall have no other right or license, express or implied, or by estoppel. To the extent a CRC member contributes materials, tangible items, or information for use in the project, Contractor X acknowledges that it obtains only the right to use the materials, items, or information supplied for the purposes of performing the work provided for in this Agreement, and obtains no rights to copy, distribute, disclose, make, use, sell or offer to sell such materials or items outside of the performance of this Agreement.

EXHIBIT D

LIABILITY

It is agreed and understood that _____ is acting as an independent contractor in the performance of any and all work hereunder and, as such, has control over the performance of such work. _____ agrees to indemnify and defend CRC from and against any and all liabilities, claims, and expenses incident thereto (including, for example, reasonable attorneys' fees) which CRC may hereafter incur, become responsible for or pay out as a result of death or bodily injury to any person or destruction or damage to any property, caused, in whole or in part, by _____'s performance of, or failure to perform, the work hereunder or any other act of omission in connection therewith.

EXHIBIT E

PROPOSAL EVALUATION CRITERIA

- 1) Merits of proposed technical approach.
- 2) Previous performance on related research studies.
- 3) Personnel available for proposed study – related experience.
- 4) Timeliness of study completion.
- 5) Cost.