GLOBAL RESEARCH ALLIANCE
ON AGRICULTURAL GREENHOUSE GASES

GRA Partner Template – Environmental Defense Fund (EDF)

1. **How was the request for partnership initiated?**
   a. Contact between GRA Special Representative and EDF Associate Vice-President
   b. Previously contact between EDF and PRRG
2. **Partner information**
   a. Name: Environmental Defense Fund (EDF)
   b. Address of headquarters:

      257 Park Ave S
      New York, NY 10010
      USA

      Telephone: +1-800-684 3322

      Website address: http://www.edf.org/
   c. Contact person (name and contact details):

      Name: Richie Ahuja

      Position: Associate Vice-President

      Email: rahuja@edf.org
   d. Type of organization (government, international institution, NGO, university, private enterprise, etc.):

      EDF is a 501 (C3) not for profit, non-governmental organization
   e. Geographic scope (countries, region, world):

      Global Scope – 28 countries, 2.5 million members and over 750 staff
   f. Target audience (farmers, private industry, academia):

      Policy makers, Investors, Researchers, Private sector, lending institutions, Multi-lateral Institutions, the agricultural sector and rural communities.
   g. Corporate mandate and objectives:

      MANDATE & MISSION

      Environmental Defense Fund's mission is to preserve the natural systems on which all life depends. Guided by science and economics, we find practical and lasting solutions to the most serious environmental problems. EDF works to solve the most critical environmental problems facing the planet. This has drawn EDF to areas that span the biosphere: climate, oceans, ecosystems and health. Since these topics are intertwined, the solutions take a multidisciplinary approach. EDF works in concert with other organizations

— as well as with business, government and communities — and avoid duplicating work already being done effectively by others.

OBJECTIVES

EDF's Climate-Smart Agriculture initiative aims to put farmers at the center of climate adaptation and mitigation and embed principles of a just rural transition by focusing on productivity and technological solutions that work for all farmers. This includes cutting greenhouse gas emissions from agriculture and increasing science-based opportunities for carbon storage in agricultural soils and temperate forests.

GOAL 1 — ADAPTATION: By 2030, agricultural production in four core geographies (U.S., EU, China and India) achieves at least a 25% reduction of regional yield gaps and is on track to remain within planetary boundaries, crop and community resilience is increased, and natural infrastructure has improved on at least 5% of agricultural landscapes.
GOAL 2 — MITIGATION: By 2030, global livestock methane emissions are reduced by at least 30%, and CO2 emissions from conversion of land to cropland is approaching net zero.

h. Organisational Structure and Resourcing:

EDF is a 501 (c) (3) non-profit, non-partisan, non-governmental organization headquartered in New York City with over 700 employees and 2.5 million members worldwide and operations in 28 countries. EDF's primary funding sources come from contributions from individual donors such as its members, and institutional donors such as foundations.

3. Activities of the Organisation - Relevance of the partner's expertise to the objectives of the GRA's charter

a. Description of Partner actions:

Organization has a strong focus on Climate and core areas of work includes , fresh water systems, coastal communities, climate smart agriculture, food systems, natural climate solutions, healthy oceans. The organization seeks to achieve its objectives through a deep focus on science, economics, partnerships, and advocacy and has demonstrated capacity to influence private sector.

i. Scientific research

EDF was founded by scientists more than 50 years ago. Whether mapping climate pollution from space or cutting air pollution on the ground, science undergirds their efforts. EDF's groundbreaking studies put the powerful climate pollutant methane on the international agenda — and they are the only environmental organization building a satellite to map, measure and reduce it. EDF's scientist have also developed tools to more easily measure excess nitrogen at the field level and are experts on soil carbon.

ii. Policy advocacy

The longest-lasting environmental solutions have the broadest support. That's why EDF build coalitions and works collaboratively with other advocacy groups, private companies. NGOS, companies and other allies to defend environmental protections, address inequities and craft strong, apolitical policy. EDF is a founding member of the US Food and Agriculture Climate Alliance (FACA), which represents farmers, forest owners, the food sector, state governments and environmental advocates.

iii. Private sector outreach

EDF's corporate engagement program, EDF+Business, has been collaborating with the private sector on climate and sustainability ambition for over 30 years. The organization has collaborations and relationships with companies across the agricultural value chain, including Walmart, Tyson, Smithfield Foods, Danone and Farmers Business Network to Help deploy climate Smart agricultural practices through Supply chain actions. Through these relationships, EDF can be a conduit to bring lessons learned from the GRA platform into private sector for rapid uptake of best practices, and also may be able to bring private funding to the table for research that is aligned with key corporate needs.

iv. Multistakeholder partnerships

EDF is engaged in many multi-stakeholder coalitions, such as U.S. Roundtable for Sustainable Beef, U.S. Roundtable for Sustainable Poultry and Egg, Field to Market, Midwest Row Crop Collaborative, and most recently, the Global Dairy Platform Dairy Sustainability Framework advisory council. There is potential to leverage these convenings to share lessons learned and integration of GRA funded science for rapid deployment in the livestock and row crop space.

v. MethaneSat

MethaneSAT will be the most advanced methane-tracking satellite in space, measuring methane emissions virtually anywhere on earth.

It will offer higher sensitivity measurement than any satellite, enabling high-precision tracking of emissions that others can't see. It will turn its data around in days, and offer it free to everyone.

vi. Other examples of EDF initiatives relevant to agricultural GHGS: www.edf.org/riceN2O

b. Benefits of Partnership:

- Potential to collaborate across geographies, promote additional members of GRA
- Ability to jointly advance large-scale feasibility / pilot projects
- Access to GRA's global scientific community, Research Groups, Networks
- Elevate the importance of science and data as a bedrock of sound decision making
- Potential to mobilize resources to support GRA priority research areas
- Support corporate partnerships and/or implementation of best science through industry players.

c. Potential Activities:

- Stakeholder workshops
- Joint publications
- Coalition building to drive methane reduction at scale across geographies
- Support peer to peer learning
- Educate and engage policy makers and other stakeholders

d. Partnership Implementation:

GRA Special Representative to act as primary point of contact, also involving RGs and Flagships.