

# STRATEGIC PLAN



SOMALI NATURAL  
RESOURCES RESEARCH  
CENTER (SONRREC)



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VISION AND MISSION	4
SONRREC AT A GLANCE	6
NATURAL RESOURCES MANAGEMENT	8
ADVANCING THE SUSTAINABILITY OF NATURAL RESOURCES UNDERSTANDING	12
ESSENTIAL OF EVIDENCE BASED SCIENTIFIC RESEARCH AND ADVICE	13
EVIDENCE FOR DECISION-MAKING	14
WORKING TOGETHER	15
OUR RESERACH PRIORITIES	18





## VISION

To be a global center of excellence for Somali's natural resources and associated science based solutions on natural resources to prosperous nation





## MISSION

To conduct research, capacity development and consultancy services on development and sustainable of natural resources for socio-economics development.

# SONRREC at a glance

Somali Natural Resources Research Center (SONRREC) is a leading and sole research organization on natural resources in the Horn Africa which was established in 2016 with the mandate to manage, protect and shape the Somalia's natural resources in a sustainable manner by improving the economic well-being and eradicate the poverty through evidence based scientific research, capacity development and consultancy services.

The center was founded by a group of multi-disciplinary sciences with an overall objective of finding science based solutions to development through actively participation and supporting achievements of the country's vision and strategy on development as well as regional and global agenda in Sustainable Development Goals (SDGs). SONRREC has resourceful experts in various fields of natural resources including senior researchers, an economist, educators, communication and environmental specialists.



SONRREC is based in Horn of Africa particularly in Somalia



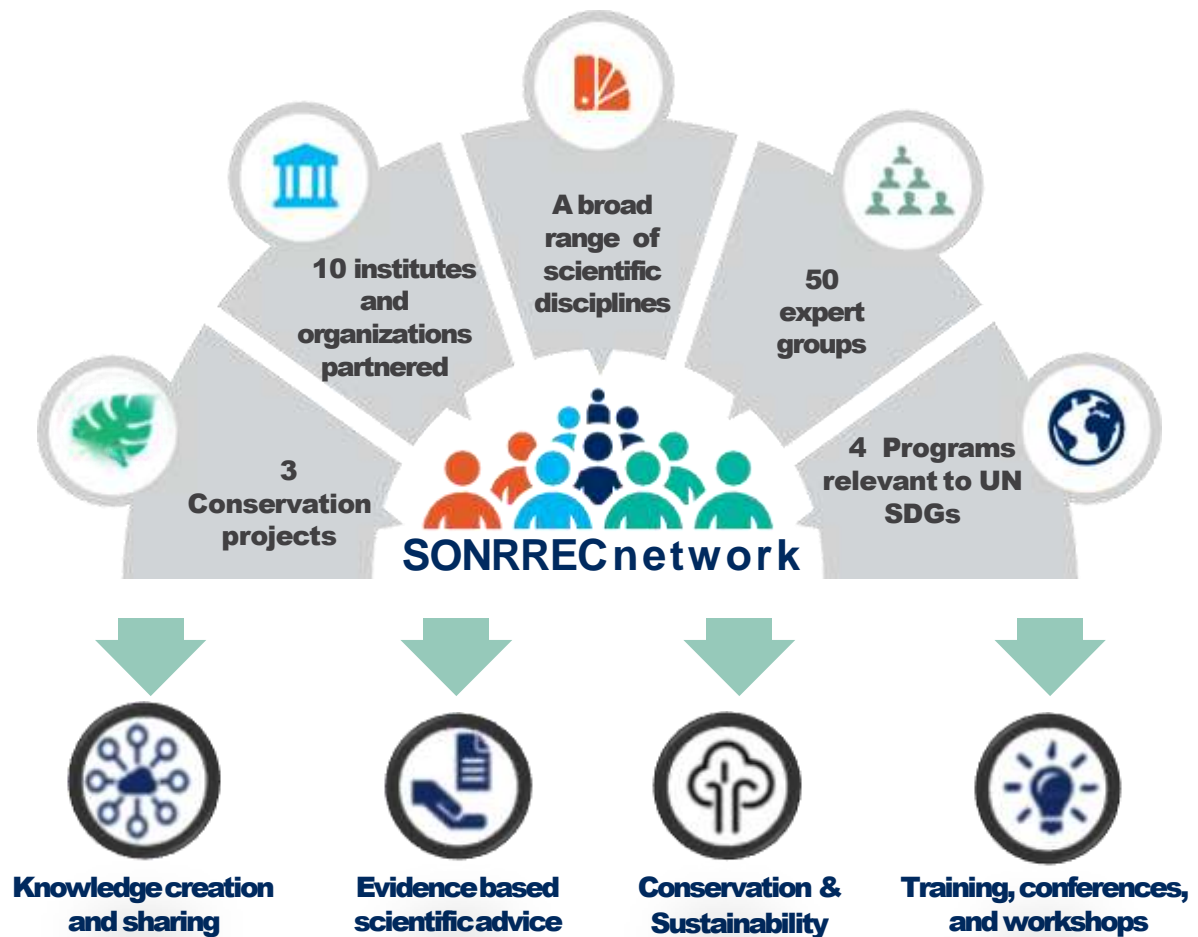
Through strategic partnerships our work in the Horn Africa, and specifically the Somalia,



## WHO WE WORK WITH



## HOW WE WORK





# Natural Resources Management

Natural Resources are essential to the lives and livelihoods of billions of people on the planet including millions of vulnerable communities in Somalis. One of SONRREC's goals is the sustainable management and utilization of natural resources for the benefit of present and future generations. SONRREC defines sustainable of natural resource development is utilization of resources for the current generation by given consideration for the future generations, and without causing impact to the environment, the survival of other species and natural ecosystems. Contemporary world including novel technology is used to achieve constant satisfaction of human needs for present and future generations.

SONRREC promotes the Phenomena Climate Smart Agriculture (CSA) and sustainable agriculture that focuses on producing long-term crops and livestock while having minimal effects on the environment which technically appropriate, economically viable and environmentally and socially and acceptable. In addition to that, SONRREC supports a sustainable fisheries management to harvest at a sustainable rate, where the fish population does not decline over time because of fishing practices in order to protect and secure the fish and aquatic resources for the future generation. These initiatives will contribute to all four pillars of food security of Somalia in a sustainable way in Somalia .

With this strategic plan, SONRREC renews its commitment to better understanding natural resources use and securing the benefits that people derive from them. The purpose of this plan is to define our direction and priorities in order to develop the capacity needed in relation to scientific research, capacity development and consultancy services.

Implementation of this plan will directly address the challenge of conserving and rebuilding the structure and

function of the natural resources, thus improving food security and otherwise benefitting people's lives and livelihoods.

To accomplish this plan, we will work collaboratively, using our broad national and international network to generate and share the knowledge, and advice needed to meet current and emerging conservation, management, and sustainable development goals (SDGs)



Natural resources have been exploited by humans since the beginning of civilization or even before. During the last millennia human population has increased considerably causing serious damage or destruction of natural resources globally and in particular Somalia where Food security is one of the most critical challenges facing the country which is compounded by the effects of climate change on natural resources and the sustainable management of ecosystems. Since 2016, SONRREC has recognized the importance of addressing the challenges associated with studying, understanding, and managing the natural resources which are very susceptible to human induce and climate change. SONRREC is in the position to respond these challenges by fostering and facilitating scientific collaborations, and conservation programmes that span national and political boundaries by sharing and developing scientific research, capacity development and consultancy services. The results of this work will provide decision-makers with impartial advice on human activities affecting and affected by natural resources and ecosystems and informed society about their state and use.









# SONRREC principles on sustainability of natural resources understanding

Through our scientific research, SONRREC will continue to advance understanding of natural resources, their uses, and their connections with society. The resulting knowledge is essential to develop solutions to the sustainability challenges professed by natural variability and climate change as well as increasing human demands for food, energy, and other resources.

SONRREC will seek to increase the scope, impact, and efficiency of our science through innovation, integration, and increased interdisciplinary collaboration. We will facilitate the incorporation of a wider range of scientific knowledge into advice to inform decision-makers and society about the state of our natural resources, the consequences of human use, and options for conservation and management.

Broad multidisciplinary collaboration provides us with the expertise to approach problems from many perspectives. For example, in the Somali context we can better understand local environmental impacts on coastal communities and fisheries from insights into large-scale climatic, water security and diplomacy, and ecosystem processes; and we can better understand the collective ecosystem effects of diffuse pressures such as pollutants and plastics from knowledge of their local sources.

# Essential of evidence based scientific research and advice

Conducting scientific research on natural resources management and development is one of the country's priorities in order to balance the social and economic benefits derived from natural resources in an equitable manner while preserving the environment.

Research is essential for assessing the state of our natural resources and human uses and impacts, as well as for providing advice on the effects of conservation and management measures. SONRREC will continue to develop and coordinate integrated, quality assured, and cost-effective scientific research programs and to explore the oceans to improve our understanding of the distribution and function of natural resources and habitats.

SONRREC will assess and improve our survey design, advance and implement innovative technologies to collect, process, and analyze data. This will be accomplished with a focus on supporting pastoralist and agro-pastoralists, fisheries, integrated Ecosystem assessment and ecosystem-based management.

Since researches now provides more detailed and interlinked data, we will continue to develop services and tools to enable visualization and easy access to these research for a broad range of users. SONRREC will build on demonstrated capacity and expertise in managing, analysing, interpreting and publication data for decision making process and other stakeholders.

# Evidence for decision-making

SONRREC's research findings is essential for decision-making. SONRREC works to constantly improve the quality and transparency of its scientific and policy advice. We use the data collected by our team to manage our scientific understanding of natural resources in Somalia to meet current and future demands for sustainable use of natural resources. Future approaches for delivering advice will build on our longstanding experience as a leading research organization of natural resources and ecosystem based-solution advice in Somalia.

SONRREC will regularly publish, update, and disseminate scientific research, policy note and white papers on the state of Somali natural resources and ecosystems based-solution approaches in the Horn Africa region, outlining as appropriate on analyses of human activities, pressures, and impacts, and incorporating social, cultural, environment and economic information.

This strategic plan will guide us to become a more inclusive and instrumental network, sharing information and expertise to help sustain natural resources and healthy ecosystem and the lives and livelihoods of the people who depend on them.



# Working together

Our successes have been achieved by people from diverse national and interdisciplinary backgrounds working together to accomplish shared goals. Through our community of scientists, researchers, an economist, and our wider network of experts, we will strengthen these collaborations, enduring to work with our partners, clients, and stakeholders to advance cooperation and introduce new disciplines and perspectives to our science and advice.

We share knowledge and expertise in expert groups, at conferences, and through communications and publications. We will ensure that the skills needed to advance science, data gathering and processing, and to generate state-of-the-art advice are cultivated and retained in SONRREC team. For the fresh and emerging generation of scientists, we will continue to provide effective training and networking opportunities.

All these activities are facilitated by SONRREC team, which provides a wide range of capabilities in support of our network. In addition, the team acts as a liaison between our team, stakeholders, clients, our network of experts, and national and international partner organizations.

We will strengthen the capacity of the executive team, foster employee development, and optimize recruitment, conscious of the essential role of each individual in the implementation of this plan. Throughout the complete SONRREC community we will also sustain to promote a convivial, practical, assorted, comprehensive, and gender balanced, as well as a respectful working environment.











# SONRRE priorities for 2020-2024

In support of this strategic plan, we have developed a program of work: on “natural resources sustainability and ecosystem based-solution approach for the 2020-2024 ”. This highlights our four interrelated interdisciplinary priorities and how our network will address them.



## **Food and Technology**

Using human-centered design approaches to identify new technologies that can help farmers and fisheries manage their production and productivity in a sustainable manner.



## **Water, Energy and Food Security Nexus**

Building and organizing a group of scientific experts investigating the linkage between water, energy and food security in Somali.



### **Sea and Society**

Assess and understand the complexity of marine ecosystem and biodiversity for sustainable resources exploitation in Somalia coastal communities.



### **Human & Nature**

Measure and project the effects of human activities on ecosystems and ecosystem services — to clarify present and future status of natural and social systems.



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