Work Plan and Activities
for Implementation of STI Agenda 2026

Approved by Steering Committee

19th March, 2019

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Preamble to Workplan

- The Astana Declaration of the 1st OIC Summit on Science and Technology (2017) instructed COMSTECH to put in place institutional mechanisms for effective implementation of the approved STI Agenda 2026. Subsequently the OIC General Secretariat requested COMSTECH to prepare a detailed list of activities, identifying targets, programs, implementing and partner institutions for each of the priorities identified in STI Agenda 2026

- Accordingly, this Workplan has been prepared for the consideration and feedback of the OIC institutions that are proposed to be the implementing or partner institutions for these proposed activities.

- It is recognized that OIC Ministerial meetings and the resolutions passed therein have assigned responsibilities to relevant OIC organs who are implementing various assigned tasks. As far as possible this Workplan has attempted to integrate their ongoing efforts into the Plan and, wherever necessary, build on them using their ongoing efforts as a foundation. Reference to these OIC organs and their activities are made in the respective sections of the Plan.

- In addition to the activities that an OIC organ may initiate by itself or in coordination with other organs, there are activities and targets that can only be undertaken by Member States themselves or with their close cooperation. Separate requests will be sent to Member States for the realization of such plans. These activities are included in the Workplan for getting the feedback on the proposed plans from the suggested implementing partners.

- On the basis of the feedback received, the Workplan would be finalized and presented in the COMSTECH General Assembly for approval by Member States and to confirm their involvement/contributions in specific areas.

- A *Strategic Summary of the Proposed Workplan*: *OIC STI Agenda 2026* has also been included for easy reference.

COMSTECH Secretariat

Islamabad, Pakistan.

March 2019

OIC STI Agenda 2026: Strategic Summary of the Proposed Workplan

Introduction: The STI Agenda approved at the 1st OIC S&T Summit at Astana in September 2017 is proposed to be implemented through a series of interconnected interventions detailed in the Workplan. These proposed interventions in general build on the existing activities of the relevant OIC organs and targets defined in the respective Ministerial Meetings on S&T. The purpose of the Workplan is not to duplicate the efforts of individual countries, but to build upon them, enhance their ambition and reach, and realize the benefits of cooperation. Most of the proposed actions require cooperation and coordination between member states and the OIC organs entrusted with the tasks.

The proposed actions can be divided broadly speaking into the following categories:

a. Technical: Supporting individual Member States, where approached, by providing them technical analysis, strategic approaches and realizable targets for STI development.

b. Capacity building: Trainings, workshops, expert visits, and facilitation of cooperative mechanisms, support for OIC and national Centres of Excellence, and identification of Regional Centres of Excellence.

c. Leveraging: Expanding the scope and outreach of existing OIC activities

The Workplan describes in detail the activities related to a specific priority area of the approved STI Agenda. The key strategic thrust and major activities in each priority area are identified below:

Sr. No. 1

Priority No.1

Creating Thinking Minds

Workable Implementing Plan

1 S. No.	2 Priority No 1 Target	3 Programmes & Activities	4 Implementing OIC Organizations	5 Partner OIC Organizations/ Recipient Member States	6 Recipient Member States	7 Expected Outcome
1.	1. **Creating thinking minds** Targets: **a. Capacity building of school teachers** **b. Modernization of curricula**	a. Supporting and coordinating the efforts of Member States to establish Regional Support Centers for Education	ISESCO	COMSTECH; SESRIC Member States' concerned ministries	ISESCO to setup mechanism to choose countries and develop TOR's	a. Better trained and better equipped school teachers
		b. Curriculum development through specialized expert groups: Modernization to meet international standards	ISESCO	COMSTECH Member states: subject experts		b. Improved curricula enabling learning to come at par with international standards
	c - e Development of math, science, IT aptitudes and creativity at young ages	c. OIC Science and Math Olympiads (High School level) d. Organizing OIC Robotics Competition e. International Youth Technology Festival	COMSTECH, ISESCO COMSTECH ICYF	ICYF ICYF, OIC GS, IsDB OIC GS	Coordinate with Member States interested in expanding their existing National competitions into OIC Competitions.	c. Encouragement for outstanding young talent d. Nurturing curiosity and creativity in the young e. Grooming I.T. talent for innovation

1	2	3	4	5	6	7
S. No.	Priority No 1 Target	Programmes & Activities	Implementing OIC Organizations	Partner OIC Organizations/ Recipient Member States	Recipient Member States	Expected Outcome
	f. Improving the understanding and creating fascination for science through affordable experiments and demonstrations. **g. Focusing, coordinating, directing and explaining activities and targets.**	f. Science competitions and science camps (School level) g. I.T. competitions: Hackathons (University/College level) h. Development and provision of Imaginative and low cost science experiments. Science videos and kits for schools; science popularization modules for use of kits. i. Workshops/ Conferences: To compliment above efforts particularly wrt Curriculum development and usage of new experiments	COMSTECH, ISESCO, ICYF COMSTECH IsDB ISESCO	IsDB ISESCO, IsDB COMSTECH, SESRIC	All member states that are interested to modernize school laboratories and to enrich the learning experience can benefit.	f. 1.Improving the learning content of science experiments in schools. 2. substituting highly expensive and un-affordable experiments with low cost ones 3. benefitting the economies of the OIC countries who produce the experimental setups as well as those purchasing them.

Detailed timeline to be decided by Implementing OIC Organizations/Institutions.

Sr. No. 2

Priority No.2

Making People Employable: Education & Skills

1 S. No.	2 Priorities No / Targets	3 Programmes & Activities	4 Implementing OIC Organization	5 Partner OIC Organizations/Recipient Member States	6 Expected Outcome
2	**Priority # 2 Making People Employable: Education & Skills** **Making people more employable by focusing on skill development** **Introducing TVET streams at school level** **Improving the quality of technical education e..g. technical diplomas and polytechnique education**	a. Regional Skill Centers for TVET i. Identification of most suitable (well equipped) existing centres in each region ii. Designation of Regional Centers at the institutions identified in **a.1.**	SESRIC (OIC-VET) IUT	COMSTECH, IsDB, ICYF	• Increased collaboration among the centres and countries for trained workforce. • Development of better skilled workforce for industry, agriculture, commerce etc.
		b. Increase enrolment up to 20% among 15-19 year age group	SESRIC (OIC-VET), ISESCO	COMSTECH, IsDB All OIC Countries may benefit from these centers	• Identify pitfalls in policy frameworks and enhance the capacity of government institutions to draft policies at national levels. • Development of Policy Guidelines, training of government officials etc.
		c. Upgradation of existing TVET Institutes (infrastructure, labs, teaching methods etc)	** Member states will be consulted	SESRIC (OIC-VET), ISESCO (FUIW) , IsDB	• Infrastructure upgradation (Labs, teaching equipment, modern teaching methods etc.) • Encourage local companies within OIC to develop modern teaching equipment at lower costs.

1 S. No.	2 Priorities No / Targets	3 Programmes & Activities	4 Implementing OIC Organization	5 Partner OIC Organizations/Recipient Member States	6 Expected Outcome
		d. Curricula Upgrade - Formation of Working Group - Reviewing existing Curricula - Formation of Standard Curricula - Implementation strategy of upgraded curricula across OIC	SESRIC (OIC-VET)	COMSTECH, National Focal Points identified by SESRIC ISESCO(FUIW)	• Combined effort for developing standard curricula for all member countries. • Up to date curricula for advanced technologies
		e. Master trainers program - Customize program and undertake courses and trainings for field experts - Collaborate with OIC states as well as developed countries for enhanced capacity building and exposure - Industrial placement programs to get hands on experience for modern equipment f. ICYF Initiated VET Program	SESRIC (OIC-VET) ICYF	COMSTECH, IsDB, ICCIA, COMCEC, ISESCO(FUIW) Training of Staff at Regional Centers SESRIC, COMSTECH, IsDB	(Training Activities like thematic workshops, field visits, experts exchange programme etc.) Training of 120 (6years x 20) master trainers To increase the overall technical capabilities and skills of young work force in OIC MS, particularly LDC's

__ Detailed timeline to be decided by Implementing OIC Organizations/Institutions.__*

Sr. No. 3

Priority No.3a

Water Security & Implementation of OIC Water Vision

1	2	3	4	5	6
S. No.	Priority No ---- / Target	Programs & Activities	Implementing Organ	Implementing partners / Recipient Member States	Expected Outcome
3	**Priority:** **3A. Water Security & Implementation of OIC Water Vision** **Targets:** **A. Facilitate access to good knowledge & exchange of good practices**	**A.** **a.** Engage OIC National Focal Points (NFPs) designated to work on resolving water issues along with experts from international institutions **b.** Convene workshop focused on discussing the SESRIC-water portal, UN Water agenda (2018-2028) portal and UNESCO's IHP-WINS portal	SESRIC	COMSTECH (INWRDAM), ISESCO, OIC GS	To familiarize OIC National Focal Points with online tools that can be used to exchange information and leveraged to tackle water crises
	B. Education, Knowledge and Capacity Building	**B.** **a.** Assess the gaps in knowledge and capacity to tackle water crises. **b.** identify and outline the most significant and pressing aspects within water sector and shortlist the themes for capacity building **c.** Conduct capacity building with a frequency of two programs per annum on themes on the following but not limited to • **Integrated management of water resources** • **Water accountability** • **Waste water management & recycling** • **Improving water efficiency**	SESRIC	COMSTECH (INWRDAM), ISESCO , IsDB	To allow OIC member states to increase their knowledge and capability in tackling water issues more prudently by being aware of modern technologies

		d. Convene a meeting of OIC Water Research Institutions to share experiences, best practices, and commercialization aspects.			
	C. **National Water Conservation Awareness Program**	**C.** **a.** Design module for national campaign on water conservation such as using regulated water taps, water taxes, buckets as opposed to showers etc **b.** engage NFCs to carry out the awareness campaigns at multiple platforms with frequency of two events per year	SESRIC	COMSTECH (INWRDAM), ISESCO	To increase public awareness and public role in conserving water and mitigating water crises

	D. Improve Water Use Efficiency (WUE)	**D.**
		a. Conduct comprehensive research on the current water use efficiency (WUE) in OIC member states
		b. Liaison with regional/ international institutions for increasing WUEs
		c. Capacity building on increasing WUE covering but not limited to:
		  . drip irrigation
		  . laser land levelling
			SESRIC, ISESCO	COMSTECH, IsDB	Increase output per unit of water
					Decrease water scarcity
					Reallocate water to higher priority uses
					Combat environmental degradation (i.e desertification)

	E. Recycle at least 60 to 80% of urban waste water	**E.** **a.** Introductory symposium on significance of waste water treatment, raise awareness and inform current policies on waste water treatment **b.** Convention on disseminating technical knowledge on latest technologies for urban waste water	SESRIC	ISESCO, COMSTECH, IsDB	Ensure and enhance public health and environmental protection.

| | | treatment including but not limited to
. membrane filtration system
. nanotechnology
. microbial fuel cells
. natural treatment system
. phytoremediation
   to achieve the set target
d. Capacity building for member states below the set target

e. Final report on the progress of achieving the target will be prepared | | | |

Detailed timeline to be decided by Implementing OIC Organizations/Institutions.

Sr. No. 3

Priority No. 3b

Safety of Water, Food and the Environment

1	2	3	4	5	6
S. No.	Priority No ---- / Target	Programs & Activities	Implementing OIC Organizations	Partners OIC Organizations/ Recipient Member States	Expected Outcome

3	**Priority:**
	3B. Safety of water, food and the environment
	
	3B. Targets:
	i) Farm productivity
	ii) Preserving plant genetic resources (PGR)
	iii) Plant Biodiversity
		Programmes
		  a) Setting up National Gene banks.
		  b) Exchange of PGR among member states
		  c) Increasing farm productivity through robust agriculture practices.
		
		Activities
		I. Preserving plant diversity & genetic resources
		1. Project based collaboration between national gene banks (3-4 countries)
		
		2. OIC - Consortium of gene banks.
		
		3. Working group to identify area of intense efforts on short term and long term basis.
		
		II. Training for the plant diversity storage, management & end use
		4. Training of PGR scientists and technicians
			COMSTECH , IOFS
			
			COMSTECH
			IOFS
				COMCEC, SESRIC, ICCIA, IsDB
				
				COMCEC, SESRIC (OIC-AgriCaB), ICCIA, IsDB
				
				ISESCO, IsDB, COMCEC
					Agriculture sustainability and food security
					
					Conservation of geographically unique plant resources.
					
					Developing self-reliance for natural and genetically modified crop varieties).
					
					Exchange of scholars & technicians**

		III. Practice base improvement and outreach			Ensuring sustainable agriculture and food security.
		5. Use of ICT for best practices in agriculture e.g. to prevent post harvest losses, sowing and harvesting info.			
		6. Encourage use of better farming, harvesting and irrigation practices such as drip irrigation, use of GIS, land levelers.			
		7. Program for Technical advocacy to propagate the use of these plant resources by the end user (farmer) in partnership with concerned ministries, NGO's and IGO's.		COMCEC	
		IV. Generating collaboration for funding & implementation	IsDB ICDT, ICCIA, IOFS, SESRIC		
		8. Public and private sector collaboration for agribusiness and infrastructural upgrade.			Improved agriculture output (Yield- supply)
	Priority: 3. Safety of water, food and the environment **3C. Targets: Food safety and Halal**	**Programmes** a) Support the Re-organization of National food safety authorities. b) Controlling adulteration and misrepresentation through whole food chain.	SMIIC , IOFS	COMSTECH,COMCEC, SESRIC	Food safety and improved trade among OIC.

	Standardization	c) Implementing OIC/SMIIC and international standards of food safety. Support the development of any required new standards by SMIIC in the domain of Food Safety and Halal			
		Activities V. Agreement on Harmonization of National Halal Standards with the OIC/SMIIC Halal Standards through ministerial level meetings.			Increase in trade of halal products among OIC
		VI. Encouragement of Halal food certifications based on OIC/SMIIC standards among big food processing companies on regional and inters regional level.			Increase in consumer confidence and ensured food safety
		VII. A special committee to evaluate the increase of exchange of goods and extent of adaptation and use of OIC/SMIIC standards for certification and. Accreditation.			A strong and measurable follow-up is required.

* Detailed timeline to be decided by Implementing OIC Organizations/Institutions.

Sr. No. 4

Priority No.4

Ensure healthy Lives for all citizens

1 S. No.	2 Priorities No 4 / Targets	3 Programmes & Activities	4 Implementing OIC Organizations	5 Partners OIC Organizations/ Recipient Member States	6 Expected Outcome
4	**Priority No.4 : Ensure healthy Lives for all citizens** **Targets: Strengthening public health through research and technological advancement**	**a. Access to affordable essential medicines and vaccines.** 1) Centre of excellence for vaccine and other biotechnology products development 2) Technical assistance and capacity building for selected essential biological products 3) Improve facilities of screening, diagnostics and treatment through mutual trade of medical technologies and equipment.	OIC GS	COMSTECH, SESRIC, IsDB(ISFD)	Affordable health care & poverty alleviation Meeting SDG's
		b. Combating antimicrobial multiple drug resistance (MDR) 1. Create a technical committee and a task force for MDR applied research and application 2. Establish a network for the knowledge exchange and co-production of new knowledge in member states. 3. Hospital safety, quality & efficiency based on WHO standards and other international protocols.	OIC GS	SESRIC (Ibn Sina CaBH) COMSTECH, IsBD SMIIC	Improved community health

1 S. No.	2 Priorities No 4 / Targets	3 Programmes & Activities	4 Implementing OIC Organizations	5 Partners OIC Organizations/ Recipient Member States	6 Expected Outcome
		c. Extensive biomedical research and clinical programs 1. Expand research in genomics, proteomics, regenerative medicine, personalized medicine (nano-medicine , next generation sequencing, immuno-genetics) 2. Facilitate research, development, patent filing.	OIC-GS, COMSTECH OIC-GS, COMSTECH IsDB	SESRIC, ISESCO(FUIW)	Developing world-class and real time health facilities. Advances in medical health and mol. Biology
		d. Creation of trained epidemiologist for Communicable /NCD 1. Assist countries in developing centralize health information system for disease surveillance, patient management, program monitoring and public health planning. Maintain consistent standards for public health informatics. 2. Capacity building networks for communicable, non-communicable diseases	OIC –GS	SESRIC (IbnSina-HCaB) COMSTECH, ISESCO	Effective and productive public health policies and implementation

1 S. No.	2 Priorities No 4 / Targets	3 Programmes & Activities	4 Implementing OIC Organizations	5 Partners OIC Organizations/ Recipient Member States	6 Expected Outcome
		e. Training of medics, para-medics and technicians 1. Develop standardized competencies for health practitioners 2. Mutual recognition of diplomas, degrees and certificates in allied health professions 3. Establish CPD/CME/CNE programs for Doctors, pharmacists, nurses & midwives.	OIC-GS through ministries of health member states. ISESCO	COMSTECH IsDB COMCEC – CCO (PAWG) SMIIC SESRIC (OSH-CaB)	Standardized health work force and manpower
		4. Training of technicians and staff for repair and maintenance of medical and scientific equipment	ISESCO	IsDB ICYF SESRIC	

Detailed timeline to be decided by Implementing OIC Organizations/Institutions.

Sr. No. 5

Priority No. 5
Improve the quality of Higher Education and Research.

Priority No.6
The case for Math, Physics, Biotechnology and the Chemical Sciences.

Priority No.10
Enhancing Intra-OIC Cooperation

1 S. No.	2 Priorities No 5, 6, 10 / Targets	3 Programmes & Activities	4 Implementing OIC Organizations	5 Partner OIC Organizations/ Recipient Member States	6 Expected Outcome
5.	**#5. Improve the quality of higher Education and Research.** **#6. The case for math, physics, biotechnology and the chemical sciences.** **#10. Enhancing Intra-OIC Cooperation** **Targets:** **1. Building up sustainable infrastructure in universities and research institutions** **2. Building domestic innovation and technology capabilities** **3. Promote networking and linkages within and outside OIC** **4. Double the share of member states in global scientific output and the number of R&D workers/per million population**	1. Helping Member States on rationalizing and prioritizing investments in higher education and research	ISESCO(FUIW), COMSTECH	SESRIC, COMCEC, IsDB	Advice to Member States' educational authorities
		2.Support programs that promote university-industry linkages; Innovation grants	ISESCO (FUIW)	IsDB STI Department COMCEC, ICCI, SESRIC	Commercialization of research
		3. Initiate innovation awards; Science Expos to highlight OIC innovations	COMSTECH IsDB STI Department ICYF	COMCEC ICDT	Increased innovation, economic benefits.
		4. Initiate best research publication awards annually (quality based) seperately for various S&T fields	COMSTECH ISESCO, (FUIW), ICYF (young business hub)	SESRIC	Encouragement to produce high quality research.
		5. Identify/promote Centres (Mother Institutes) for sharing of expertise and joint research activities.	COMSTECH IsDB	ISESCO, SESRIC Inter-Islamic Networks)	Sharing of expertise leading to development of scientific manpower and advanced research
		6. Provide research grants for joint projects between Member States (basic as well as applied sciences)	ISESCO , COMSTECH, IsDB	ISESCO	Sharing of expertise leading to development of scientific manpower and advanced research

1	2	3	4	5	6
S. No.	Priorities No 5, 6, 10 / Targets	Programmes & Activities	Implementing OIC Organizations	Partner OIC Organizations/ Recipient Member States	Expected Outcome
	5. **Increase the share of high technology goods and services aiming for 10% by 2025** 6. **Promotion of basic sciences, scientific ethics and social responsibility of scientists/ engineers**	7. Provide travel and living support for visiting/ exchange scientist programs between OIC countries.	ISESCO(FUIW), COMSTECH, ICYF (IQRA)	Member Countries Inter-Islamic Networks	Help develop research/academic programs in the lesser developed OIC countries via sharing of expertise.
		8. Initiate OIC Research Fellowships Scheme. Coordinate with country programs for research Fellowships/sabbatical support for OIC scientists.	ISESCO , COMSTECH IsDB		Retain high quality faculty; prevent brain drain
		9. Share OIC expertise in the development of Technology parks	ISESCO	SESRIC	Commercialization of research; economic benefits
		10. Facilitating access to Analytical Services in various areas of S&T in Member States amenable to sharing	ISESCO	COMSTECH, SESRIC, IAS	Higher quality and larger volume of research
		11. "Try and Do" technology Labs	ICYF	COMSTECH	Creates opportunity for the young people to learn and practice the leading technologic innovations

* Detailed timeline to be decided by Implementing OIC Organizations/Institutions.

Sr. No. 6

Priority No.7

Managing Big Data with Security in the Digital Economy

1	2	3	4	5	6
S. No.	Priorities No 7 / Targets	Programmes & Activities	Implementing OIC Organizations	Implementing Partners / Recipient Member States	Expected Outcome
6	**Managing Big Data with Security in the Digital Economy**	a. Development of cyber security strategies & frameworks b. Creating and enhancing common set of cyber security standards, policies, procedures and best practices.) c. Implementing cyber security skills development to build capabilities in cyber security. d. Developing and implementing technical solutions to address cyber security issues and threats. e. Conducting inter- boarder collaborative initiatives (cyber exercises/drills).	OIC-CERT	COMSTECH (INIT) IsDB ISESCO SMIIC SESRIC	• Standard Guiding cybersecurity strategy / Framework • System Guidelines i.e. on Industrial Control System (ICS), Smartphone Apps, and IOT to mitigate cyber threats. • Training programs especially on cyber security technical matters i.e online and face-to-face. • A pool of human resource within the OIC community that is trained in cyber security. • A system to measure the awareness of the Computer Security Incident Response Team (CSIRT). • A Digital Library in OIC-CERT portal having cyber security technical content. • Development of OIC-CERT interactive portal which shall include forum and archive. • OIC cyber drill to test and evaluate the readiness of the communication capabilities in mitigating cyber threats.
		Supporting the Member States in drafting and reviewing IT curricula and education. b. Developing and implementing cyber security Awareness Ambassador Program.	OIC-CERT (OIC GS)	COMSTECH (INIT)	• A channel with the education sector involved in cyber security awareness programs. • Students selected as the ambassadors of cyber security awareness to conduct awareness sessions in their school.

1	2	3	4	5	6
S. No.	Priorities No 7 / Targets	Programmes & Activities	Implementing OIC Organizations	Implementing Partners / Recipient Member States	Expected Outcome
		c. Producing academic articles in cyber security. (To be discussed with OIC- CERT)			• Cyber security awareness amongst IT professionals to build capabilities in cyber security • The OIC-CERT Journal of Cyber Security (OIC-CERT JCS) which is a platform for the academia and practitioners in cyber security around the world to share experiences and knowledge through research and publication.
		'Train the trainer' Program. a. Implementing global cyber security training programs. b. Implementing global cyber security professional certification programs. c. Implementing cross-border collaborative project in the area of malware research.	OIC-CERT (OIC GS)	COMSTECH (INIT), SESRIC, ISESCO ICYF	• Training such as the Malaysian Technical Cooperation Programme (MTCP). • Professional Certification such as the Global ACE Scheme Program. Global ACE Scheme provides an alternative international cyber security certification scheme. • Increased number of cyber security professionals with enhanced skill sets in tandem with the international standards. • OIC-CERT Malware Research and Coordination Facility Project is a collaborative project among the OIC members to share malware threat research, analysis and response to protect the community against malware threats.

1	2	3	4	5	6
S. No.	Priorities No 7 / Targets	Programmes & Activities	Implementing OIC Organizations	Implementing Partners / Recipient Member States	Expected Outcome
		a. Formulating Human Resource Development Program in the area of E-Governance. b. Establishing a communication platform using the Telegram apps for the technical teams. c. Creating a database for members to determine cyber security future needs base on different security specialties.	OIC-CERT (OIC GS)	COMSTECH (INIT), ISESCO	• An online platform for the CSIRT technical team to communicate. • A guideline regulating the use of the group.
		Digital Skills Development Program a. Series of workshop of digital skills development in the OIC region b. Study on readiness and effectiveness of digital skills development program in OIC region c. Development of digital skills development platform for the OIC member countries d. Linkages among the IT universities to support the program	COMSTECH (INIT) SESRIC	ISESCO COMCEC IsDB	

Detailed timeline to be decided by Implementing OIC Organizations/Institutions.

Sr. No. 7

Priority No.8

Managing Energy Requirements

1	2	3	4	5	6
S. No.	Priority No 8 / Target	Programs & Activities	Implementing OIC Organization	Partner OIC Organizations/Recipient Member States	Expected Outcome
7	**Priority # 8 Managing Energy Requirements Through Energy Efficiency**	a. Energy Efficiency in Power Generation, Efficient heating & Cooling systems - Developing benchmarks and energy labelling standards for OIC members	COMSTECH	IsDB, SESRIC, SMIIC, ICDT, ICCIA	• Developed benchmarks and energy labelling standards for OIC members, which will be applicable and certifiable across all OIC members. • Benchmarking for import of energy efficient appliances etc.
	Sustainable Energy projects	b. Renewable Energy - Intra OIC & International Cooperation - Regulatory policies in line with SDG's at regional and national levels for integration of RE for reduced GHG's. - Build R&D capacity for improved solar cell efficiencies - Capacity Building Trainings, conferences & workshops	COMSTECH	OIC GS, IsDB, SESRIC, ISESCO, IIUM, IUT, ICDT COMCEC ICYF 27	• Increased Intra OIC & international cooperation for increased research capacity in clean energy technologies. • Developed mechanisms and implementation strategies at national and regional levels for promotion of RE for reduction in GHG emissions aligned with Paris Agreement and SDG's. • Drafted policy framework for distributed generation and micro-grids for remote communities for 100% electrification. • Increased R&D capacity for increased solar cell efficiency, and development of energy storage devices.

Nuclear Energy	c. Nuclear Power - Mutual cooperation on nuclear medicine under IAEA protocols - Training program for engineers, technicians on nuclear power plant operations, safety, security and regulatory methods under supervision of IAEA.	COMSTECH	IAEA All member states having Nuclear program or intention may benefit from this activity.	• Advisory group will analyse in detail the recommendations and targets approved in the Agenda 2026. • Trained engineers, technicians on nuclear power plant operations, safety, security and regulatory methods under supervision of IAEA.

* Detailed timeline to be decided by Implementing OIC Organizations/Institutions.

Sr. No. 8

Priority No.9

Environment, Climate Change & Sustainability

1 S. No.	2 Priority No 9 / Target	3 Programs & Activities	4 Implementing OIC Organization	5 Partner OIC Organizations/Recipient Member States	6 Expected Outcome
8	Priority: Environment, Climate Change & Sustainability Targets: A. Reduce GHG emissions	A. i. Engage Member States on lines of Talanoa Dialogue along with deliberations on climate mitigation funds/climate financing for 2020	ISESCO	COMSTECH, SESRIC IsDB	To make implementation plans to achieve targets of emission reduction and to initiate means of implementation of climate mitigation projects emphasize the implementation of REDD+ policies
	B. Prevent Desertification & Deforestation	i. Develop and implement OIC multilateral restoration and remedial program	ISESCO	COMSTECH, SESRIC, IsDB	To remediate land degradation and prevent further desertification by introduction to modern practices
		ii. Develop carbon sink potential of vulnerable countries Plan afforestation and reforestation programs	ISESCO	COMSTECH, SESRIC, IsDB	Track the progress of canopy cover in these states To naturally sequester carbon that will mitigate climate change and to prevent land degradation and natural disasters
		iii. Encourage Integrated Land and water management	ISESCO	COMSTECH, SESRIC, IsDB ENVIRONMENT-CAB,	Carry out capacity building on increasing technological, financial and institutional and adaptive capacities of indigenous people/local communities/local institutions on better land and water management
	C. Improve natural disaster mitigation	i. Prepare disaster management plans for most vulnerable countries	ISESCO	COMSTECH, SESRIC ENVIRONMENT-CAB IsDB	To ensure most vulnerable and susceptible countries are better prepared to diminish the risks and their vulnerability to natural disasters

1 S. No.	2 Priority No 9 / Target	3 Programs & Activities	4 Implementing OIC Organization	5 Partner OIC Organizations/Recipient Member States	6 Expected Outcome
		ii. Devise risk management and vulnerability reduction policies and assist member countries in implementation of these policies	ISESCO	COMSTECH, SESRIC, IsDB,	Perform risk analysis To improve response to disaster and risk reduction
		iii. Increase public awareness and participation in risk reduction Convene conference on natural disaster mitigation from OIC countries	ISESCO	COMSTECH, SESRIC, IsDB,	Enhanced ability to cope with the natural disasters

* Detailed timeline to be decided by Implementing OIC Organizations/Institutions.

Sr. No.9

Priority No.11
Big Science Programs

The STI Agenda proposes that willing Member States should pool their resources to develop and participate in Big Science projects that are too expensive for most countries to pursue individually. However, they have such major significance, both for fundamental science and application needs that they simply cannot be ignored. Some generic examples are suggested below. Complete list is available in the STI Agenda 2026(approved at Astana).

Sr.	Activities	Coordinating Institution	Suggestions/ Comments /Targets
1.	Experts meetings and workshops on cooperation in the design and launch of remote sensing satellites for observation, crop estimation, disaster management, rescue at sea and weather prediction	COMSTECH (ISNET)	COMSTECH to a. Select leading countries in S&T. b. Call meeting of leading countries to discuss how Big Science Projects can be developed.
2.	Experts meeting on sharing of High Power Computational Facilities (HPCC) among OIC member states	COMSTECH	
3.	Workshops on knowledge economy and promotion of entrepreneurship activities in OIC region.	SESRIC COMSTECH ICYF	
4.	Organization of joint expeditions to Antarctica to undertake studies in bio-prospecting, minerals and climate change	COMSTECH	

Detailed timeline to be decided by Implementing OIC Organizations/Institutions.