



UNITED  
REPUBLIC  
OF  
TANZANIA

TANZANIA  
COMMISSION  
FOR SCIENCE AND  
TECHNOLOGY



# 9<sup>th</sup> STICE

DEC  
02-04  
2024

Science, Technology and Innovation Conference & Exhibition



SCANCODE  
TO VIEW DIGITAL DOCUMENT



## **CONFERENCE THEME**

**Harnessing Science, Technology, and Innovation  
for Climate Resilience and Competitive Economy**

### **VENUE**

Julius Nyerere International  
Convention Centre (JNICC)  
Dar es Salaam Tanzania.

### **DATE**

02th - 04th  
December 2024

Annual National Science, Technology &  
Innovation Conference and Exhibitions.

The Annual National Science, Technology and Innovation (STI) Conference and Exhibition (STICE) is a platform of STI community organized by the Tanzania Commission for Science and Technology (COSTECH) in partnership with stakeholders in the STI ecosystem from within and outside Tanzania

**COSTECH** is a public institution responsible for coordinating, promoting, and facilitating scientific research, technology development as well as knowledge transfer across various sectors within Tanzania. This Commission is guided by a vision to transform Tanzania into a nation that thrives on STI. Moreover, it holds the responsibility of facilitating the widespread dissemination of research and innovation outcomes to the scientific and research community, as well as to consumers of STI products. COSTECH has a longstanding tradition of organizing national STI conferences and exhibitions. In the upcoming financial year 2024/2025, the 9<sup>th</sup> STICE event is set to be held from December 02<sup>th</sup> to 04<sup>th</sup>, 2024, at the prestigious Julius Nyerere International Convention Center (JNICC) in Dar es Salaam

The STICE events are among the strategies that the Commission uses to collect and disseminate STI products and knowledge. The 9<sup>th</sup> STICE event will bring together scientists, researchers, innovators, technologists, innovation incubators, policymakers, STI financiers, industries, consumers of STI products and services and all other relevant stakeholders in the STI ecosystem to receive and discuss research and innovation results. It further enables the STI community to showcase the results of scientific research, and technological development and deliberate on a theme by demonstrating research and innovation products. Researchers from all fields of science share lessons, experience and knowledge through peer learning by oral paper presentations, and poster presentations and showcase scientific and technological development to stakeholders including practitioners and policymakers. The ultimate goal is to make STI effectively contribute to the socio-economic development of the country.



The Government of Tanzania, as outlined in its Third National Five-Year Development Plan (FYDP III; 2021/22 – 2025/26), places a strong emphasis on "achieving competitiveness and industrialization for human development." This strategic vision underscores the indispensable role of STI in driving economic reform, promoting industrial growth, and enabling active participation in the global trade arena. Within the framework of FYDP III, particular attention is given to addressing the challenges posed by Climate Change, which could impede the realization of set objectives.

Therefore, embracing advancements in STI is of paramount importance in reshaping and expediting the pursuit of key United Nations Sustainable Development Goals, namely Goal 8 (Decent Work and Economic Growth), Goal 9 (Industry, Innovation, and Infrastructure), and Goal 13 (Climate Action). These objectives provide the foundational basis for the main theme of the 9th STICE event: **"Harnessing Science, Technology and Innovation for National Competitiveness and Climate Resilience."** This central theme will be complemented by six additional thematic areas as elaborated below.

**Dkt. Amos Nungu**  
Director General



## THEME AND THEMATIC AREA

### Thematics

#### **Harnessing Technological and scientific innovation for competitive and inclusive economic growth:**



Highlighting the remarkable potential of technology, this section will delve into how technological innovations can serve as catalysts for economic growth and sustainability, especially within the framework of climate change adaptation and mitigation. Conversations will revolve around emerging technologies procreated by the ongoing transformation of the fourth industrial revolution, encompassing the utilization of the Internet of Things (IoT), Digitalization, Blockchain, Cloud Computing, Nanotechnology, Biotechnology, Bioremediation, Bioenergy and how to commercialize shelved technologies and innovations available in Higher Learning Institutions and Research and Development Centres.

#### **Climate Vulnerability Across Diverse Sectors**



This section will explore the intricate consequences of climate change on a wide range of sectors within the Tanzanian economy and society. These sectors encompass agriculture, forestry, water resources, health, environment, energy, mining, and infrastructure. Esteemed experts and researchers will share their discoveries and provide valuable insights into both the existing and anticipated consequences of climate change.

#### **Leveraging STI and Indigenous Knowledge to Address Climate Change Challenges:**



This section will delve into forward-thinking solutions, early warning systems, cutting-edge technologies and local or traditional knowledge aimed at alleviating and adapting to the impacts of climate change in Tanzania. Presentations and in-depth discussions will highlight the essential role of scientific research, technological advancements, and innovation in bolstering climate resilience. Additionally, the use of space science and satellite technologies for monitoring and predicting climate changes, as well as Tanzania's readiness to address these challenges as a nation, will be subjects of substantial discourse.

## Thematics

### **Resilient System for Food Safety and Security (productive sectors):**



Tanzania envisions a significant boost in agricultural, livestock and fisheries production to supply neighbouring regions and other African nations by 2030. In pursuit of this ambitious goal, the Building Better Tomorrow Project, currently operational under the Ministries of Agriculture, Livestock, and Fisheries, was launched. This initiative is set to be enhanced through collaborative endeavours across various sectors, including Transportation, ICT, Health, and more. Participants will engage in discussions about how this initiative can play a pivotal role in fostering sustainable climate adaptation, ensuring food safety and security, and fortifying long-term resilience in least-developed countries.

### **Financing mechanisms to support STI activities Towards a competitive and sustainable economy:**



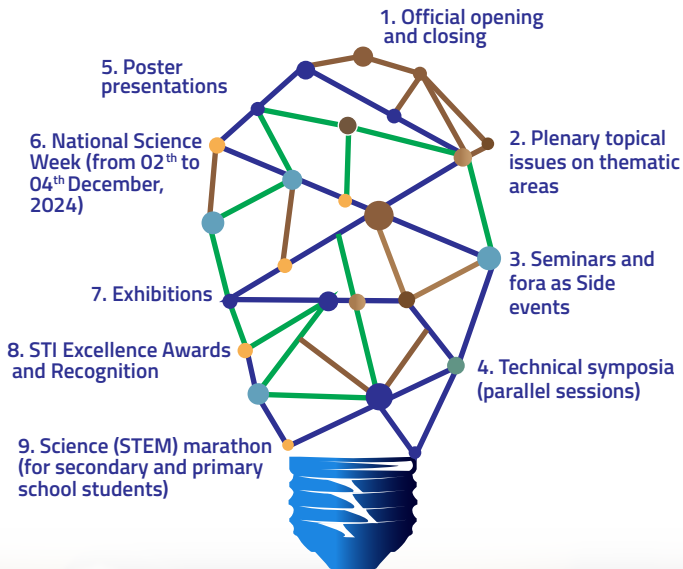
This area highlights the crucial need for collaboration between public institutions, private sectors, and development partners to foster a competitive and sustainable economy. As per the Lagos Agreement plan, established in April 1980 under Programme 7, African nations were encouraged to raise their domestic funding for STI research to 1% of their Gross Domestic Products (GDPs). The suggested funding sources encompassed increasing the national budget allocation for STI research, earmarking a portion of taxes from imported goods, implementing levies on the income of major public and private enterprises involved in production activities, and mandating firms with foreign equity holdings to allocate a set percentage of their overall expenditure to nationally sanctioned STI research endeavours. Discussions will focus on establishing supportive policy frameworks, fostering public-private partnerships, and setting up international cooperation mechanisms to fund STI research.

### **Fostering STEM Education for resilient, competitive, and sustainable economic growth.**



This thematic segment is dedicated to cultivating enthusiasm and proficiency in Science, Technology, Engineering, Mathematics, and Medicine (STEM) education. Papers/articles and discussion will centre around equipping the future workforce with the skills and knowledge necessary to confront climate change challenges through STEM education. Notably, the discussion will spotlight the influence of STEM projects supported by government initiatives, particularly those administered by the Ministry of Education, Science, and Technology, such as Mathematics projects, Emerging Technology projects and Samia Scholarships.[skills, informal and formal education system]

## STICE ACTIVITIES



## Conference and Exhibition Participants

Participation in the 9<sup>th</sup> STICE is welcome to individuals and groups from the Science, Technology, and Innovation (STI) communities, both within Tanzania and beyond. This includes scientists, researchers, academics, innovators, representatives from the private sector, public institutions, regulatory bodies, Ministries, development partners, civil society organizations, media members, policymakers, industry professionals, and the general public

## Call for Papers, Posters and Participation:

We invite scientists, researchers, innovators, educators, policymakers, and industry leaders to submit abstracts and actively participate in this vital conference. Contributions should align with one or more of the thematic areas mentioned above.

## Submission of Paper and Poster Abstracts

Authors interested in presenting papers or posters are required to submit online abstracts, which should not exceed 300 words. Please use Times New Roman font with a font size of 12 and utilize the STICE submission portal [stice.costech.or.tz](http://stice.costech.or.tz) for submission. The abstracts should encompass the following elements: Title, author(s) name(s) and contact information, background, objectives, a summary of research methodology, results, conclusions, and key policy messages. Additionally, we welcome review papers for submission. The deadline for Abstract Submission is April 30<sup>th</sup> 2024.





## **GUIDELINES FOR AUTHORS/EXHIBITORS**

### **a. Oral presentations:**

Projectors will be provided; however, we recommend that presenters come prepared with their presentations in PDF format and upload them to the designated conference room at least 3 hours before their scheduled presentation time. Each presentation should be concise, lasting no longer than 10 minutes.

### **b. Submission of Full Papers**

The 9<sup>th</sup> STICE event aims to generate a peer-reviewed conference proceedings publication that will be featured in a reputable STI journal, with each paper receiving a dedicated DOI registration. The organizing committee is diligently working to pinpoint the optimal STI journal for our collaborative publication of this special issue, and we will communicate this partnership by April 2024. Guidelines for the preparation and submission of full papers will be disseminated to authors whose abstracts are accepted for presentation at the 9<sup>th</sup> STICE event on May 20<sup>th</sup> 2024. These guidelines will align with the instructions provided by the selected partner journal. Full Paper Submission Deadline will be July 05<sup>th</sup> 2024.

### **c. Posters presentation**

Posters serve as informal presentations showcasing problem-solving approaches and innovative projects with valuable insights to share. Topics for poster presentations should be conveyed using a combination of text, graphics, photographs, and illustrations. All posters must be presented in English.

We recommend the optimal poster configuration to be A1 in a vertical layout (841mm x 594mm). Authors whose posters are accepted must attend the conference to display and present their work. Posters will be showcased in a designated area at the conference venue. Please bring your printed stand-alone poster, as we are unable to provide printing services.

Display panels for posters will be set up by December 01<sup>th</sup> 2024, and all posters should be mounted before 8:30 AM on December 04<sup>th</sup> 2024. If your presentation involves the use of a personal laptop or other electronic devices, kindly notify us in advance.

A final abstract for your poster, along with your profile, will be included in the Conference program and published on the COSTECH website and Conference proceedings.

## d. Exhibitions

Entities, whether individuals, organizations, or groups, interested in taking part in the exhibitions are kindly requested to provide a company profile or a summary not exceeding 300 words outlining the aspects they intend to showcase or their proposed exhibition plan. The summary should encompass the following details: title, exhibitor name(s), contact information, background, objectives, functional description, and intended end-use.

Each exhibition booth will measure 3m by 3m with a height of 2.56m and will be equipped with one table, two chairs, and an electricity connection as stipulated more on Table 1. The deadline for Submission of Company/Institution Profiles is November 01<sup>st</sup> 2024.



## STI Excellence Awards



## STI EXCELLENCE AWARDS

As part of the 9<sup>th</sup> STICE event, we are pleased to announce the presentation of prestigious awards celebrating ground-breaking innovations and outstanding research in the field of Science, Technology, and Innovation (STI). These awards will be bestowed upon deserving recipients by our distinguished Guest of Honour.

To be considered for these coveted awards, the criteria and eligibility requirements will be made available on the STICE website [stice.costech.ortz](https://stice.costech.ortz) starting from March 20<sup>th</sup> 2024.

### Key dates for the STI Awards are as follows:

- \* Application window: 01<sup>th</sup> September to 30<sup>th</sup> October 2024
- \* Evaluation of Applications by Judges: 15<sup>th</sup> November 2024
- \* Notification to successful candidates: 20<sup>th</sup> November 2024
- \* Awarding Ceremony: December 02<sup>th</sup>, 2024

## National Science Week



## National Science Week

In response to stakeholders' suggestions, COSTECH will introduce for the first time in history a National Science Week. In the 9th STICE, the National Science Week will be celebrated in Dar es Salaam from 30th November– 04th December 2024, Other preliminary events include Women in Science on November 29<sup>th</sup>, 2024 and Youth Innovation day on November 28<sup>th</sup>, 2024 Whose apex will be on the last day of STICE which is 04th December, 2024. In this event, stakeholders will showcase, present, discuss and disseminate STI results. During the Week, students from school and college will participate in various science marathon activities to motivate them in STEM subjects. Marathon activities in the National Science Week will involve scientific debates, quizzes and presentations from inspirational science speakers.

## Science (Stem) Marathon



### **STI MARATHON (STithon)**

STICE 2024 will host a science marathon on STEM as side events for Stakeholders. This activity will be organized collaboratively by COSTECH and a sponsor or partner. School students from various schools in Tanzania will be obtained competitively in collaboration with relevant stakeholders responsible for school.

## REGISTRATION FEES

Registration fees for the 9<sup>th</sup> STICE event encompass expenses related to conference registration, the conference package, a conference bag, and the conference program. Packages for attending the 9<sup>th</sup> STICE event are stipulated on Table 1 below.

The conference website [stice.costech.or.tz](http://stice.costech.or.tz) will offer accommodation suggestions, but it's important to note that the organizers will **NOT** be responsible for participants' travel logistics or accommodation arrangements. To register to the 9<sup>th</sup> STICE event, kindly visit [stice.costech.or.tz](http://stice.costech.or.tz) *Early Bird Registration Deadline is November 05<sup>th</sup> 2024 and the Late Registration Deadline is November 28<sup>th</sup> 2024*

### 9<sup>th</sup> STICE Event Registration Packages

Participants: Individual Attendees, Papers and Poster Presenter

#### Early Registration Fees

Category	Tanzania(Tzs)	Foreigner (USD)
Students (Masters& Below)	100,000/=	100
Individual	200,000/=	200
Online Participation	50,000/=	50

#### Late Registration Fees

Category	Tanzania(Tzs)	Foreigner (USD)
Students (Masters& Below)	150,000/=	150
Individual	250,000/=	250
Online Participation	80,000/=	80

#### Exhibitors - Early registration fee

Public Institutions, HLIs, R&Ds and Regulatory Boards

Category	Tanzania(Tzs)	Foreigner (USD)
Booth size: 3m X 3m (W) & 2.56m (H)	1,000,000 /=	1000
Booth size: 3m X 6m (W) & 2.56m (H)	1,500,000 /=	1500

## Private Companies, Individuals, Institutions

Category	Tanzania(Tzs)	Foreigner (USD)
Booth size: 3m X 3m (W) & 2.56m (H)	1,500,000 /=	1500
Booth size: 3m X 6m (W) & 2.56m (H)	2,000,000 /=	2000

## Exhibitors - Late registration fee

### Public Institutions, HLIs, R&Ds and Regulatory Boards

Category	Tanzania(Tzs)	Foreigner (USD)
Booth size: 3m X 3m (W) & 2.56m (H)	1,500,000 /=	1500
Booth size: 3m X 6m (W) & 2.56m (H)	2,000,000 /=	2000

## Private Companies, Individuals, Institutions

Category	Tanzania(Tzs)	Foreigner (USD)
Booth size: 3m X 3m (W) & 2.56m (H)	2,000,000 /=	2000
Booth size: 3m X 6m (W) & 2.56m (H)	2,500,000 /=	2500

## Key Dates for Paper and Poster Presenters, as well as Participation:

- Deadline for Abstract Submission: April 30<sup>th</sup> 2024
- Notification of Acceptance: May 15<sup>th</sup> 2024
- Full Paper Submission Deadline: July 05<sup>th</sup> 2024
- Notification for Reviewed Full Paper: August 30<sup>th</sup> 2024
- Early Bird Registration Deadline: November 05<sup>th</sup> 2024
- Late Registration Deadline: November 28<sup>th</sup> 2024

## Significant Dates for Exhibitor

- Submission of Company/Institution Profiles: November 01<sup>th</sup> 2024
- Notification of Acceptance for Exhibitions: November 15<sup>th</sup> 2024
- Registration and Payment for Participation: November 25<sup>th</sup> 2024

## PARTNERSHIP AND SPONSORSHIP

The organizers of the 9<sup>th</sup> STICE event extend a warm invitation to potential collaborators and sponsors to unite in our efforts to make this event a resounding success. We welcome organizations and companies from both the private and public sectors to participate in supporting the 9<sup>th</sup> STICE event. Different categories of Sponsorship and the main benefits are found on Box 3 below.

### Tanzanite Sponsor (1 Slot)



**CONFERENCE FACILITIES | GALA DINNER**

**100,000,000/=**

- Recognized As Main Sponsor
- Recognized in the Publicity plan
- Special seat at High Table with GoH
- Address the Conference for 10 Min
- Logo on Conference website, bag, Program book, Backdrop banner, report and proceedings
- One page company profile on final report
- Exhibition booth 6m\*3m
- Ten free delegate pass for the event
- Six Representatives at GALA dinner
- Company promotion materials in the conference bag.

### Diamond Sponsor (2 Slots)



**STI AWARDS | CONFERENCE PREPARATION  
PROCEEDING AND JOURNAL PUBLISHING**

**75,000,000/=**

- Recognized in the Publicity plan
- Address the Conference for 5 Min
- Logo on Conference website, bag, Program book, Backdrop banner and proceedings
- Exhibition booth 6m\*3m
- Eight free delegate pass for the event
- Four Representatives at GALA dinner
- Company promotion materials in the conference bag

### Platinum Sponsor (3 Slots)



**STUDENTS SPONSORSHIP | GENDER INCLUSIVITY  
COVERAGE FOR POLICY AND DECISION MAKERS  
MODERATORS, RAPPORTEURS AND  
KEYNOTE SPEAKERS**

**50,000,000**

- Address the Conference for 2 Min
- Logo on Conference website, bag, Program book and Backdrop banner
- Exhibition booth 6m\*3m
- Five free delegate pass for the event
- Two Representatives at GALA dinner
- Company promotion materials in the conference bag.

### Gold Sponsor (4 Slots)



**REFRESHMENTS  
BRANDING AND PUBLICITY**

**25,000,000/=**

- Logo on Conference website, Program book and Backdrop banner
- Exhibition booth 3m\*3m
- Three free delegate pass for the event
- One Representatives at GALA dinner
- Company promotion materials in the conference bag.



## PARTNERSHIP AND SPONSORSHIP

### Bronze Sponsor (5 Slots)



#### DÉCOR AND ENTERTAINMENT

**10,000,000/=**

- a. Logo on a Conference website, Program book
- b. Exhibition booth 3m\*3m
- c. Two free delegate pass for the event
- d. One Representatives at GALA dinner
- e. Company promotion materials in the conference bag.

### Ruby Sponsor (6 Slots)



#### STATIONARIES | SECURITY SERVICES FIRST AID SERVICES

**5,000,000**

- a. Logo on a Conference website, Program book
- b. Area for a Poster display
- c. One free delegate pass for the event
- d. One Representatives at GALA dinner
- e. Company promotion materials in the conference bag.

36%



73%



58%



## IMPORTANT MILESTONES FOR THE 9<sup>th</sup> STICE EVENT

Table 4: 9<sup>th</sup> STICE Event Milestones

S/NO	Activity	Time Line
1.	Preparation of Concept Note for the 9th STICE event	3 <sup>rd</sup> November 2023
2.	Submission of 9th STICE event Concept Note to DKM	6 <sup>th</sup> November 2023
3.	Management approval for the 9th STICE event Concept Note	13 <sup>th</sup> November 2023
4.	1 <sup>st</sup> Internal Preparatory Committee Meeting for the 9th STICE event	21 <sup>th</sup> November 2023
5.	Sharing a revised Concept note with COSTECH Staff for improvement	13 <sup>th</sup> December 2023
6.	2 <sup>nd</sup> Internal Preparatory Committee Meeting for the 9th STICE event (Establish Judges and Criteria for STI Awards)	14 <sup>th</sup> December 2023
7.	Presentation of the 9th STICE concept note at Morning Glory sessions	18 <sup>th</sup> December 2023
8.	3 <sup>rd</sup> Internal Preparatory Committee Meeting for the 9th STICE event	18 <sup>th</sup> January 2024
9.	The Launch of the 9th STICE event & Open Call for Abstract Submission	26 <sup>th</sup> February 2024
10.	Launch of Media campaigns for the 9th STICE event	1 <sup>st</sup> March 2024
11.	Open registration for the 9th STICE event Conference Participants, Exhibitors, Presenters and STI Awards contestants	15 <sup>th</sup> March 2024
12.	Deadline for Submission of Abstracts	30 <sup>th</sup> April 2023
13.	Feedback to applicants on Reviewed Abstracts	15 <sup>th</sup> May 2024
14.	Full Scientific Paper Submission Opened	20 <sup>st</sup> May 2024
15.	1 <sup>st</sup> National Preparatory Committee for the 9th STICE event	17 <sup>th</sup> June 2024
16.	Full Scientific Paper Submission Deadline	05 <sup>th</sup> July 2024
17.	2 <sup>nd</sup> National Preparatory Committee for the 9 <sup>th</sup> STICE event	12 <sup>th</sup> July 2024
18.	Sorting and Assigning Abstracts to Reviewers Deadline	20 <sup>th</sup> July 2024
19.	3 <sup>rd</sup> National Preparatory Committee for the 9th STICE event	16 <sup>th</sup> August 2024
20.	Review of Scientific Paper Ends	25 <sup>th</sup> August 2024
21.	Feedback to applicants on Reviewed Scientific Papers	30 <sup>th</sup> August 2024
22.	Open Submissions of Accepted Scientific Papers to the EAJSTI Journal	01 <sup>st</sup> September 2024
23.	4 <sup>th</sup> National Preparatory Committee for the 9 <sup>th</sup> STICE event	13 <sup>th</sup> September 2024
24.	Deadline for Submissions of Accepted Scientific Papers to the EAJSTI Journal	30 <sup>th</sup> September 2024
25.	5th National Preparatory Committee for the 9th STICE event	17 <sup>th</sup> October 2024
26.	STI Awards contestants application deadline	30 <sup>th</sup> October 2024
27.	Book of Abstracts prepared	30 <sup>th</sup> October 2024
28.	9 <sup>th</sup> STICE Event Timetable Prepared	30 <sup>th</sup> October 2024
29.	Exhibitors: Submission of Company/Institution Profiles Deadline	1 <sup>st</sup> November 2024
30.	Early bid registration deadline for Participants and Presenters	05 <sup>th</sup> November 2024
31.	Exhibitors: Early bid registration and Payment for Participation	05 <sup>th</sup> November 2024

## IMPORTANT MILESTONES FOR THE 9<sup>th</sup>STICE EVENT

Table 4: 9<sup>th</sup> STICE Event Milestones

S/NO	Activity	Time Line
32.	STI Awards contestants End of Evaluation by Judges	15 <sup>th</sup> November 2024
33.	Exhibitors: Notification of Acceptance for Exhibitions	15 <sup>th</sup> November 2024
34.	6th National Preparatory Committee for the 9th STICE event at JNICC	15 <sup>th</sup> November 2024
35.	Conference Proceeding prepared	25 <sup>th</sup> November 2024
36.	STI Awards contestants Notification to successful candidates	20 <sup>th</sup> November 2024
37.	Late Registration Deadline for Participants, Presenters and Exhibitors	28 <sup>th</sup> November 2024
38.	Youth Innovation Day	28 <sup>th</sup> November 2024
39.	Women in Science Day	29 <sup>th</sup> November 2024
40.	Commencement of National Science Week	30 <sup>th</sup> Nov - 04 <sup>th</sup> Dec 2024
41.	STI Marathon (STIthon)	30 <sup>th</sup> November 2024
42.	National Science Week Exhibition and STEM Marathon	30 <sup>th</sup> –04 <sup>th</sup> Dec 2024
43.	STI Awarding Ceremony at 9th STICE event Gala Dinner	02 <sup>th</sup> Dec 2024
44.	<b>CONFERENCE DATES</b>	02 <sup>th</sup> –04 <sup>th</sup> Dec 2024

### Partners



Join us at the 9<sup>th</sup> STICE 2024 event to explore innovative solutions, build collaborations, and shape a sustainable future that leverages the power of science, technology, and innovation in tackling climate change.

### For inquiries and submissions, please contact:

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