



Relatório Sobre a Participação do INCT em Evento do EU-ASEAN Forum on Aviation Research and Innovation (R&I), em Singapura

Husi :

DR. VALENTIM XIMENES
I-Vise Presidente Ezekutivu INCT

Díli, 7 de Maio de 2025



REPÚBLICA DEMOCRÁTICA DE TIMOR-LESTE
INSTITUTO NACIONAL DE CIÊNCIAS E TECNOLOGIA (INCT)



Avenida de Balide, INFORDEPE, Díli, Timor-Leste. Telemóveis (+670)78558055, Email: inct.secretariado@gmail.com

Gabinete do 1º Vice-Presidente do INCT

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Prefácio

Este documento trata-se de um relatório técnico da participação do INCT no Forum internacional no que diz respeito à pesquisa e inovação na aviação verde, em Singapura de 2025.

O INCT enquanto instituto de pesquisa mandatado pelo Estado assume pelo menos, quatro papéis essenciais: é um centro de Pesquisa, Desenvolvimento e Inovação Tecnológica do país; é uma agência estatal de financiamento para o desenvolvimento de Ciência, Tecnologia e Inovação (CTI) do país; é uma agência estatal de avaliação e acreditação dos centros de pesquisa aplicada e centros de pesquisa básica nas instituições de ensino superior no território nacional e; é um órgão agregador do repositório institucional e temático no território nacional para a promoção da ciência e tecnologia no país.

A depender da forma como o INCT exercer o seu papel atribuído, o estabelecimento de parcerias institucionais, tanto nacionais bem como internacionais à frente desses papéis, é uma forma de promover a CTI em diversos contextos, beneficiando todas as populações de Timor-Leste. Muitos programas de pesquisa, patrocinados por instituições de naturezas diferentes, como agências governamentais, instituições de pesquisa, líderes da indústria e acadêmicos para discutir oportunidades em pesquisas para a promoção de CTI em Timor-Leste.

Salienta-se que o INCT não é apenas um átomo complementar, mas também desempenha um papel importante em reuniões internacionais realizadas tanto no país quanto no exterior. A participação ativa do INCT no Forum de EU-ASEAN sobre a pesquisa e inovação recentemente, em Singapura, é um de muitos exemplos a evidenciar. O INCT foi solicitado para uma apresentação sobre a importância do repositório digital nacional para a promoção dos resultados de pesquisa em Timor-Leste naquele Forum.

O envolvimento do INCT em discussões internacionais aumentará repentinamente nos próximos anos enquanto meios de internacionalização da sua missão atribuída.

Díli, 07 de Maio de 2025



Doutor Valentim Ximenes

1ª Vice-Presidente do INCT

I. Apresentação

Em Março de 2025, the European Union Aviation Safety Agency (EASA) convidou o INCT a participar em evento de EU-ASEAN Forum on Aviation Research and Innovation em Singapura.

O fórum reuniu os representantes importantes de agências governamentais, instituições de pesquisa, líderes da indústria e acadêmicos para discutir oportunidades em pesquisa e inovação na aviação.

O evento tem como objetivo fornecer insights sobre a cooperação EU-ASEAN no setor de aviação, as capacidades de pesquisa, as parcerias industriais e inovações emergentes, com foco especial em tecnologias de aviação verde, digitalização e parcerias público-privadas.

II. Informações Técnicas

O evento foi realizado no Goodwood Park Hotel, em Singapura, de 25 a 27 de março de 2025, nas salas Arundel e Dover, que são subdivisões do salão Windsor. A maioria dos delegados foi hospedado no mesmo hotel.

III. Atividades Realizadas

Os três dias do Fórum foram organizados de forma estruturada como aparece representado no anexo 2 com três agendas principais:

- DIA 1, 25/03/2025 – Preparando o cenário para a colaboração.
- DIA 2, 26/03/2025 – Aprimorando o ecossistema da aviação por meio da inovação.
- DIA 3, 27/03/2025 – Próximos passos para a futura cooperação.

Enquanto apresentador do INCT, eu fui convidado para abordar a questão da “**A IMPORTÂNCIA DO REPOSITÓRIO NACIONAL DIGITAL PARA A DISSEMINAÇÃO DOS RESULTADOS DE PESQUISA EM TIMOR-LESTE**”, sob Áreas Temáticas para Pesquisa e Inovação: Recursos de Pesquisa Colaborativa em formato do Painel de Discussão, abordando os benefícios, desafios

e oportunidades para Insights Compartilhados de Pesquisa entre os Estados Membros (Apresentação de PPT em anexo 3).

A apresentação foi muito bem apreciada pelos participantes e desejam a continuação de uma boa participação do INCT nos outros Forums posteriormente.

IV. Descrição do Espaço

A sala de Forum é organizada com mesas de grupo, em formato de "meia-lua", para aproximadamente de 50 participantes (Foto 1).

Foto 1: Participação do INCT no Forum representado pelo 1ª Vice-Presidente do INCT



Fonte: Foto pela Comissão organizadora do evento.

O palco, no centro da frente da sala, é montado com um pódio e cadeiras para apresentações, discussões e sessões de perguntas e respostas (Foto 2.1; 2.2; 2.3 e 2.4).

Foto 2.1: Painéis de discussão.



Fonte: Foto pela Comissão organizadora do evento.

Foto 2.2: Apresentação pelo moderador de painel de discussão.



Fonte: Foto pela Comissão organizadora do evento.

Foto 2.3: Apresentação PPT.



Fonte: Foto pelo colega participante no evento.

Foto 2.4: Seção perguntas e respostas.



Fonte: Foto pela Comissão organizadora do evento.

Ademais, as apresentações, também, foram feitas por meio virtual pelos oradores de vários pontos de estados Membros do EU-ASEAN (Foto 3).

Foto 3: Apresentação via Zoom.



Fonte: Foto pela Comissão organizadora do evento.

De uma forma genérica, salienta-se que por este modelo de organização, proporcionando os participantes na interação ativa e viva, nas conversas e trocas de ideias de forma aberta, nos debates coletivos para uma compreensão mútua, numa visualização clara entre os participantes e, com foco máximo nos palestrantes e, estimulando o trabalho em equipe para uma decisão coletiva.

V. Considerações Finais

É de destacar que por este meio de discussão, o INCT se apresente a sua missão de trabalho e seu programas de pesquisa a escala da União Europeia e da ASEAN, explorando os mecanismos de apoio para a investigação científica em Timor-Leste.

A participação do INCT tem contribuído significativamente para moldar as discussões e fomentar a cooperação a longo prazo entre as partes interessadas da EU e da ASEAN. O fórum, também, se serviu como uma excelente oportunidade para interagir com especialistas, estabelecer contactos com potenciais colaboradores e

explorar mecanismos de financiamento que apoiem a investigação e o desenvolvimento da aviação em Timor-Leste.

VI. Anexos

Nos anexos se apresentam a agenda de programação do Forum (Anexo 2) e o PowerPoint de Apresentação no Forum (Anexo 3).

Anexo 1:
Convite do Evento

David Waller
EASA representative in South East Asia
SCOPE APP Project Manager

DWA/mdh/SM.3.3
Cologne, 18.02.2025

For electronic distribution only

Subject: Invitation to the ASEAN-EU Forum on Aviation Research and Innovation (R&I)

Attachment: Draft agenda

Dear Valentim Ximenes,

On behalf of the European Union Aviation Safety Agency (EASA), I am pleased to invite you or your nominated representative of the National Institute of Science and Technology (INCT), Timor-Leste to speak at the ASEAN-EU Forum on Aviation Research and Innovation (R&I). The forum is scheduled to take place from 25 to 27 March 2025, at the Goodwood Park Hotel, Singapore. This forum aims to foster collaboration, innovation, and knowledge-sharing between ASEAN and EU aviation stakeholders.

The three-day forum will bring together key representatives from government agencies, research institutions, industry leaders, and academia to discuss opportunities in aviation research and innovation. The event will provide insights into **ASEAN-EU aviation cooperation, research capabilities, industry partnerships, and emerging innovations**, with a special focus on green aviation technologies, digitalisation, and public-private partnerships.

Your participation will contribute significantly to shaping the discussions and fostering long-term cooperation between ASEAN and EU stakeholders. The forum will also serve as an excellent opportunity to engage with experts, network with potential collaborators, and explore funding mechanisms that support aviation research and development.

Please find attached the draft agenda outlining the key sessions and discussion topics. We encourage you to take advantage of the networking breaks and evening events to maximise engagement opportunities.

There is no registration fee and your travel and accommodation can be covered under the EU-funded **EU-ASEAN Sustainable Connectivity Package (SCOPE) Aviation Partnership Project (APP)**. Please contact our contracted expert, Mr Jamie Bloomfield (jamie@propeloaviation.com), in order to join the event.

We look forward to welcoming you to Singapore for this important dialogue on the future of aviation research and innovation.

Yours sincerely,



David WALLER

Anexo 2:

Agenda de Programação do Evento

ASEAN-EU forum on Aviation Research and Innovation (R&I)

Draft Agenda

Goodwood Park Hotel, Singapore

DAY 1, 25/03/2025 - Setting the Stage for Collaboration

SN.	TIME	TITLE, SPEAKER
	08:30 H – 08:55 H	REGISTRATION
1	09:00 H – 09:20 H	Opening Remarks • Welcome Address, H.E. Iwona Piórko, EU Ambassador to Singapore • Opening Address, Dr Kanchana Wanichkorn, Director, Sectoral Development Directorate, ASEAN Economic Community Department, The ASEAN Secretariat • Keynote Address, Magda Kopczyńska, Director-General of DG MOVE
	09:20 H – 09:30 H	GROUP PHOTOTAKING SESSION
2	09:30 H – 10:00 H	State of ASEAN-EU Aviation Cooperation • Overview of the ASEAN-EU Dialogue on Science and Technology, Benoît Sauveroché, First Counsellor, EU Delegation to Singapore • Overview of the ASEAN-EU CATA and SCOPE Aviation Partnership Project, Mr David Waller, EASA Representative in South East Asia
3	10:00 H – 10:35 H	Research Capabilities and Cooperation in ASEAN • Overview of Current Engagement Activities • Overview of E-READI, Dr Susanne Rentzow-Vasu, Senior Non-Key Expert (SNKE), E-READI
	10:35 H – 11:05 H	TEA BREAK AND NETWORKING
4	11:05 H – 11:40 H	Results of the ASEAN-EU Aviation R&I Landscape Study (Part 1) • Findings on the R&I Landscape, Mr Jamie Bloomfield
5	11:40 H – 12:00 H	Research Capabilities and Cooperation in Europe • Horizon Europe – Themes, Capabilities, Mechanisms for Common Plans, Researcher Mobility, International Cooperation, Leonie Nagarajan, Regional Coordinator ASEAN, EURAXESS Worldwide
	12:00 H – 13:15 H	LUNCH AND NETWORKING
6a	13:15 H – 13:25 H	The Ingredients for Research Success • Case Study on bilateral research cooperation: Singapore-France CNegSAF project, Prof. Philippe Soucaille, Lead-PI (INSA Toulouse-CNRS@CREATES) project CNegSAF
6b	13:25 H – 14:25 H	• Panel Discussion: Case Studies and Challenges for Academic Collaboration, ○ Moderator: Leonie Nagarajan, Regional Coordinator ASEAN, EURAXESS Worldwide ○ Asst. Prof. Chatchawan Chaichana, Vice Dean, Faculty of Engineering, Chiang Mai University, Thailand ○ Dr Henrik Hesse, Associate Professor (Aerial Robotics) and Programme Director (Aerospace Engineering), University of Glasgow Singapore ○ Dr Muhammad Faruq Foong bin Mohamad Faiz Foong, Snr. Lecturer, Faculty of Mechanical Engineering, University of Technology Malaysia
7	14:25 H – 15:10 H	The Role of Cooperation in Research • Panel Discussion: Perspectives from Academia and Industry ○ Moderator: Dennis Ling, Senior Director, Innovation & Enterprise, Singapore University of Technology and Design ○ Prof. Ts. Shamsul Kamar Abu Samah, CEO, NAICO Malaysia ○ Prof. Dr James Wang, Director of eVTOL Research and Innovation Center, Nanyang Technological University ○ Dr Supatcha Chaimatanan, Kasetsart University / Delv Aerospace, Thailand
	15:10 H – 15:40 H	TEA BREAK AND NETWORKING

8	15:40 H – 16:00 H	Results of the ASEAN-EU Aviation R&I Landscape Study (Part 2) • Challenges, Opportunities, Recommendations, Mr Jamie Bloomfield
9a	16:00 H – 16:25 H	Industry-RI Consortium Partnership Models • Partnership Models for Sustainable Aerospace in Europe, Mr Daniele Violato, Head of Synergies Clean Aviation Joint Undertaking (via video-link)
9b	16:25 H – 17:00 H	• Overview of the SESAR Joint Undertaking (via video-link)
10	17:00 H – 17:15 H	Closing Remarks
	19:00 H	INFORMAL POOLSIDE DINNER



DAY 2, 26/03/2025 – Enhancing the Aviation Ecosystem through Innovation

SN.	TIME	TITLE, SPEAKER
	08:30 H – 08:55 H	REGISTRATION
11	09:00 H – 09:05 H	Opening Remarks Welcome Address, Ms Megasari Widyaty, Head of Transport Division, Sectoral Development Directorate, ASEAN Economic Community Department, The ASEAN Secretariat
12	09:05 H – 09:50 H	National R&I Capabilities & Priorities Presentations by ASEAN Member States on National R&I Strategies: Ms Rachel Habana, Supervising Science Research Specialist, DOST-PCIEERD, Philippines Dr Doungkamon Phihusut, Policy Developer, Office of National Higher Education Science Research and Innovation Policy Council (NXPO), Thailand [Reserved for additional ASEAN Member States (tbc)]
13	09:50 H – 10:35 H	Thematic Areas for Research and Innovation: Green Aviation Technologies Panel Discussion: Leveraging Research for Sustainable Practices Moderator: Mr Fabrice Espinosa, Founder & CEO, Asia SAF Association Ltd Mr Konrad Jar, Executive Director for Strategy & Innovation, ORLEN S.A., Poland Dr Cyrille Schwob, Head of Technology, Asia-Pacific at Airbus, Singapore Dr Muhammad Saifullah Abu Bakar, Universiti Darussalam Brunei, Brunei Darussalam (tbc)
	10:35 H – 11:05 H	TEA BREAK AND NETWORKING
14	11:05 H – 11:50 H	Thematic Areas for Research and Innovation: Digitalisation Panel Discussion: Digitalisation - A Source of Data for Research? Moderator: Dr Henrik Hesse, Associate Professor (Aerial Robotics) and Programme Director (Aerospace Engineering), University of Glasgow Singapore Mr Ulul Azmi, General Manager AIS, AirNav Indonesia Mr Chanyut Phrukumwong, Director, Air Traffic Services Engineering Research and Development Department, Aeronautical Radio of Thailand
15	11:50 H – 12:30 H	Thematic Areas for Research and Innovation: Collaborative Research Resources Panel Discussion: Benefits, Challenges and Opportunities for Shared Research Insights Moderator: Dr Muhammad Saifullah Abu Bakar, Universiti Darussalam Brunei, Brunei Darussalam (tbc) Dr Valentim Ximene, Vice-President, Instituto Nacional de Ciências e Tecnologia, Timor-Leste Dr Matza Gusto Andika, Specialist Engineer, Research Centre for Aeronautics Technology, Badan Riset Dan Inovasi Nasional (BRIN)
	12:30 H – 13:45 H	LUNCH AND NETWORKING
16a	13:45 H – 14:00 H	Thematic Areas for Research and Innovation: Research and Policy Formulation Preparing for the Future: The EASA Approach, Thomas Mickler, Chief Adviser to the Executive Director of EASA on Innovation (via video-link)
16b	14:00 H – 14:45 H	Panel Discussion: The Relationships Between Aviation Policies, Research and Vice-Versa Moderator: Ms Hui Ling Teo, Founder, Beyond Horizons by Bethel Chambers Dr Navatasn Kongsamutr, Lecturer & Head of Market, Policy & Strategy Research Unit, Air Transport Research & Consulting Centre (ATRC) & Head of Aerospace Engineering Department, Faculty of Engineering, Kasetsart University Mr Thirunaukaraser A/L Suppan, Director Quality and Standards Division, Civil Aviation Authority of Malaysia
17	14:45 H – 15:05 H	How Europe Cooperates – Examples of Research Associations Association of European Research Establishments in Aeronautics, Prof. Antonio Blandini, Chair of European Research Association (via video-link)
	15:05 H – 15:25 H	TEA BREAK AND NETWORKING
18a	15:25 H – 15:40 H	The Role of Public-Private Partnerships (PPP) in Research & Innovation The Role of Public-Private Partnerships, Ts. Ahmad Kamal Mohamad Lazi, Manager Supply Chain & Technology Development, NAICO Malaysia
18b	15:40 H – 16:40 H	Panel Discussion: The Role of Public-Private Partnerships (PPP) in Research & Innovation – Considerations and Experiences Moderator: Prof. Ts. Shamsul Kamar Abu Samah, CEO, NAICO Malaysia



	○ Dr Dazril Phua, Chief Operating Officer of Nandina REM, Singapore ○ Dr Cyrille Schwob, Head of Technology, Asia-Pacific at Airbus, Singapore
18c 16:40 H – 17:00 H	• Experience of Public-Private Partnerships (PPP) in Aviation Infrastructure Development, H.E. Peouv Polinel, Secretary of State at the State Secretariat of Civil Aviation
19 17:00 H – 17:15 H	Closing Remarks
19:00 H	INFORMAL DINNER AT THE TERRACE AT JYPSY ONE FULLERTON



DAY 3, 27/03/2025 – Next Steps

SN.	TIME	TITLE, SPEAKER
	08:30 H – 08:55 H	REGISTRATION
20	09:00 H – 09:05 H	Opening Remarks Welcome Address
21a	09:05 H – 09:45 H	Developing Human Capital in R&I Towards an ASEAN Talent Mobility Community (ATM): A Brief Introduction, Dr Worajit Setthapun, Chair of the Expert Group on ASEAN Talent Mobility (EGTM) ASEAN Talent Mobility Platform, Asst. Prof. Dr Sirikorn Santirojanakul, Member Thailand Expert Group on Talent Mobility Horizon Europe MSCA Exchange Initiatives, Leonie Nagarajan, Regional Coordinator ASEAN, EURAXESS Worldwide
21c	09:45 H – 10:30 H	Panel Discussion: Empowering Emerging ASEAN States Moderator: Asst. Prof. Dr Sirikorn Santirojanakul, Chiang Mai University, Member Thailand Expert Group on Talent Mobility Tan Sophondarith, Director of Security/Safety Management and Quality Assurance, State Secretariat of Civil Aviation, Cambodia Prof. Phouphet Kyophilavong, Vice President, National University of Laos [Reserved for an Additional ASEAN Member State Representative (tbc)]
	10:30 H – 11:00 H	TEA BREAK AND NETWORKING
21c	11:00 H – 11:10 H	Inter-Regional Cooperation in R&I Aviation R&I Cooperation Between Germany and Singapore, Mr Thorsten Clausen, Science Counsellor, German Embassy Singapore
22a	11:10 H – 11:40 H	Inclusive Regional Cooperation Promoting Regional Integration Through Joint Projects: ASEAN Regional Research Infrastructure (RRI) Strategy, Ms Sronkanok Tangjaijit, Secretary of the ASEAN RRI Task Force, National Science and Technology Development Agency (NSTDA), Thailand ASEAN Technology Management Hub, Aldo Dell’Ariccia, Team Leader, EU-ASEAN Enhanced Regional Dialogue Instrument (E-READI)
22b	11:40 H – 12:10 H	Panel Discussion: Overcoming Challenges for Interdisciplinary Research – Researcher Perspectives Moderator: Dr Muhammad Ilham Adhynugraha, Senior-level Researcher/Engineer, Research Centre for Aeronautics Technology, Badan Riset Dan Inovasi Nasional (BRIN), Indonesia Asst.Prof. Chatchawan Chaichana, Vice Dean, Faculty of Engineering, Chiang Mai University, Thailand [Additional Representative (tbc)]
	12:15 H – 13:45 H	LUNCH AND NETWORKING
23	13:45 H – 13:50	Update from ASEAN Secretariat Techno-Economic Assessment of SAF from Agricultural Waste in ASEAN – Outcomes, ASEAN Secretariat
24	13:50 H – 14:40 H	Identifying Mutual Objectives and Direction Open Forum: Defining Shared Goals - Needs and Options in ASEAN Mechanisms to Support Researcher Matchmaking Facilitator: Mr David Waller, EASA Representative in South East Asia - All Forum Participants
25	14:40 H – 15:40 H	Next Steps Open Discussion: ‘Where Do We Go From Here?’ Facilitator: Mr David Waller, EASA Representative in South East Asia - All Forum Participants
	15:40 H – 16:00 H	COMFORT BREAK

26	16:00 H – 16:15 H	Summary of Key Outcomes • Key Outcomes, Mr Jamie Bloomfield
27	16:15 H – 16:30 H	Closing Ceremony • Concluding Remarks
	16:30 H – 17:00 H	INFORMAL POST-EVENT NETWORKING OVER TEA

Anexo 3:

**Apresentação PowerPoint pelo Primeiro Vice-
Presidente do INCT,
Doutor Valentim Ximenes**

The Importance of National Digital Repository for the Dissemination of Research Outcomes in Timor-Leste

Valentim Ximenes

Vice President of National Institute of Science
and Technology of República Democrática
de Timor-Leste

Presentation at the ASEAN-EU Forum on
Aviation Research and Innovation in Singapore,
March 25 – 27, 2025

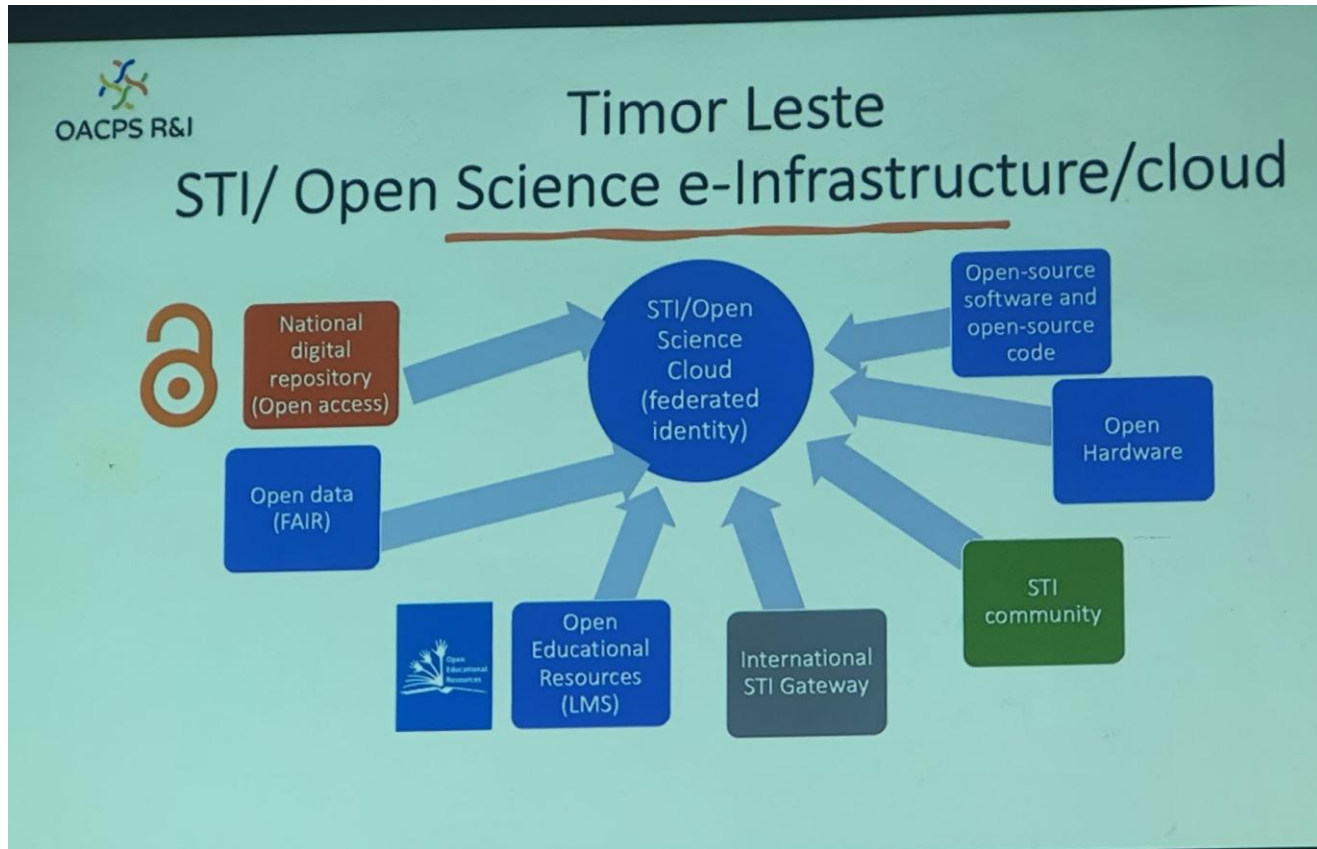
1. Introduction

- The National Institute of Sciences and Technology (INCT) is created by the Decree-Law N°. 5/2023 of March 8, First Amendment to the Decree-Law N°. 23/2014 of September 3, endowed with administrative, financial, heritage, scientific and editorial autonomous;
- As the Government Funding Agency in Science, Technology and Innovation (STI);
- As National Agency for the evaluation and accreditation of research centres;
- As an aggregating body of all institutional digital repositories in the country.

2. Mission

- To promote the advancement of scientific and technological knowledge;
- To explore in all scientific and technological domains to achieve the highest international standards of knowledge production;
- To disseminate its practical application for policy formulation;
- To store, preserve and disseminate the intellectual heritage of scientific, technological and academic nature in Timor-Leste.

3. Science, Technology & Innovation Policy



4. Benefits of National Digital Repository (NDR)

- Scientific communication and dissemination;
- Scientific memory;
- Contribution to another researches;
- Public policy formulations
- Democratization of STI.

5. Challenges of the NDR

- Space limitation;
- Financial limitation;
- Technical expertise limitation.

6. Opportunities for Shared Research Insights

- The NDR will be a Hub for sharing digitized research products among partners across nation-state borders for scientific-technological and societal advancements:
 - Community of Portuguese Speaking Countries (CPLP);
 - ASEAN;
 - Others