



GEIA Seminar

On-Site - ICEA - October 02 to 05, 2023



10 years of GEIA – a lot to celebrate!

Patrícia Tosqui Lucks

- G – Grupo or Group
- E – Estudos (Study) or R (Research)
- IA – Inglês Aeronáutico or Aeronautical English
- Scope of **Aviation** and **Aeronautical English**
- **Research results, applications to Teaching and Learning and Assessment, events and publications**
- Group – the **people** that make GEIA what it is
- Next steps



Aviation and Aeronautical English

- ICAO Doc 9835 (2004, 2010) – Aviation English
- Research – description and analysis of aeronautical communication (pilots, ATCOs) and implications for teaching and testing
- Aeronautical English comprises Phraseology and Plain language
- Scaramucci, Tosqui-Lucks and Damião ed (2018), Borowska (2020), Tosqui-Lucks and Silva (2020), Tosqui-Lucks and Santana ed (2023)
- Other professionals (mechanics, meteorologists) are present in the GEIA events and research connections too



GEIA Leader and Vice-Leader



Leader (2013 – present date)

Patrícia Tosqui Lucks (ICEA)



Vice-Leader (2013 - 2021)

Silvia Matravolgyi Damião (ITA/UNITAU)



Vice-Leader (2022- present date)

Juliana de Castro Santana (ICEA)

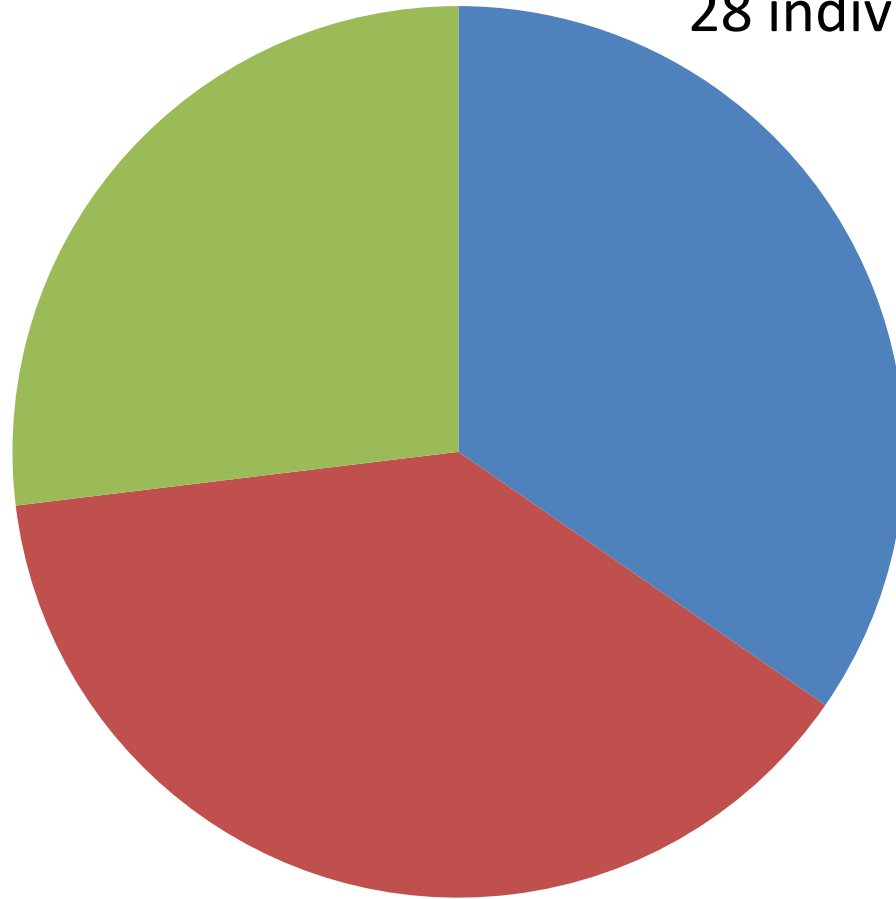
Interinstitutional Group

- Important to emphasize that **GEIA members** (researchers) belong to different institutions in Brazil and abroad (work and/or study):
ICEA, DECEA, EEAR, ITA, ANAC;
PUC-RS, UNICAMP, USP, UNITAU, IFSP-São Carlos;
Research done abroad (Australia, Canada, England, USA)
Malila Prado is a Professor in China
- Events have **guest speakers** from all over the world.



Research Lines

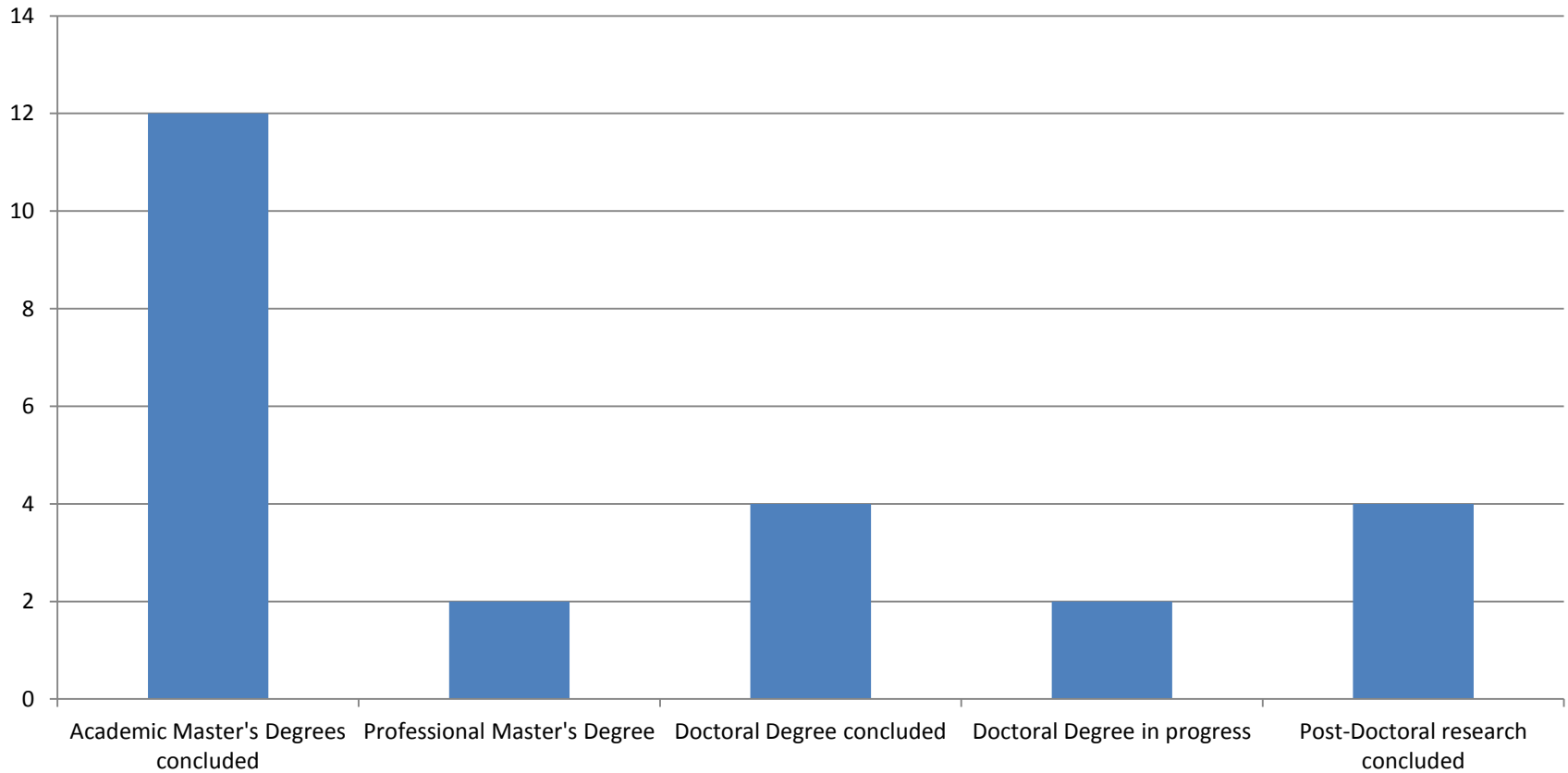
28 individual research projects



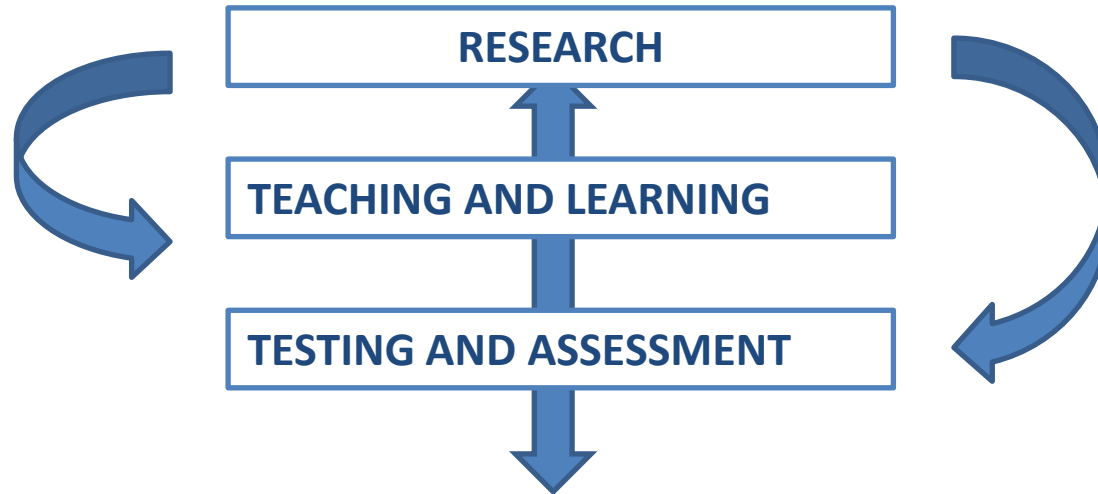
- Language Analysis and Description (09)
- Language Teaching and Learning (12)
- Language Assessment (07)

Researcher's Degrees

24 Graduate Degrees



Applied Research



Research themes: material and course analysis, material design, test design, error correction, needs analysis, washback effect, interactive listening, pragmatics, pronunciation, lingua franca, lexical grammar, terminology, glossaries, proficiency construct, validity evidences, interpretation and use argument, intercultural awareness, language as a human factor, etc.



Applications for Teaching

- The research line "AE teaching and learning" has improved the understanding of the nature of AE communications and how to apply it to pedagogical practices and material design.
- Learner corpus was compiled from **distance learning courses** (CTP016, 17 and 18). Its results are constantly analyzed and feed the content of courses and training tools.
- Learner corpus informs the **6 training tools** developed in the game-like form based on the ICAO language proficiency categories. Results are reported in papers and GEIA Seminars.
- **Intensive AE course** (CTP010) and **Teacher trainer course** (CTP011) have improved references and updated concepts (lexical grammar) based on research results.



Applications for Teaching

- GEIA's Seminars are considered a **professional development initiative** for all AE instructors and raters under DECEA's command. The presentations and practical workshops are targeted to these professionals and aim at improving their knowledge and performance.
- Many AE instructors, from DECEA team and other institutions, such as EEAR and AFA, have claimed that after attending GEIA Seminars, **have improved their teaching practices** by incorporating what they learned during the events.



Applications for Assessment

- With the creation of GEIA, the test for Brazilian ATCOs (**EPLIS**) validation process became stronger and permanent;
- Consolidation of interpretations about the crucial role of **listening** and **problems with the ICAO's rating scale**;
- **Washback investigation** has also identified **gaps**, both in the **test** and in the **policy** regarding the implementation of ICAO language proficiency requirements;
- The Aeronautical English **Assessment Literacy Course** is a major initiative that builds on the results of a GEIA research about EPLIS influence on educational contexts.
- Research about the test for Brazilian Pilots (**SDEA-ANAC**)



Applications for Assessment

“With GEIA consolidation as an aeronautical English study group, we have strengthened our research capacity, which in turn has improved our testing instrument and processes”

EPLIS development team



Events – GEIA Seminars



2014

1 afternoon

5 presentations
10 attendees

2015

1 day

11 presentations
38 attendees.

2016

1 day

11 presentations
42 attendees.

2017

2 days

17 presentations
03 workshops
130 attendees

2018

2 days

7 presentations
3 practical workshops.
1 book
100 attendees

2019

3 days

08 presentations
3 workshops.
60 attendees

2020

4 days

18 papers
2-volume journal
18 videos
authors from 10
different countries
242 attendees from
26 countries.
online

2021

5 days

18 presentations
25 speakers from 08
different countries
404 attendees from 32
countries.
online

2022

5 days

20 presentations
from 08 different
countries
04 workshops
01 E-book
380 attendees
from 43 countries
hybrid

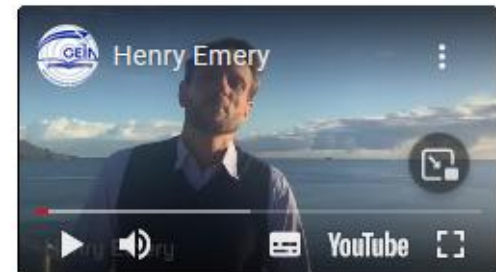
2023

4 days

11 presentations
07 workshops.
2-Volume Journal
This commemorative
issue of GEIA's 10th
anniversary
110 attendees in person

International Online Seminars

Let's hear what people are saying about The Specialist Aviation English special edition!



2020, 2021, 2022 online GEIA Seminars



Presentations in other events

- Linguistics (GEL, ELC, EBRALC, ABRALIN, ENTRAD...)
- Applied linguistics (AILA, LTRC, TESOL, Braz-TESOL, IATEFL, InPLA, TaLC, SEMAPLE...)
- ICAEA (International Civil Aviation English Association)
- Webinars, lives, interviews...



Participation in other events

- Aviation and Safety (Simpósio de Segurança de Voo, ITA-Safety, ICAEA...)
- AMAN – Military education
- Portões Abertos DCTA, AFA



ICAEA Webinars

Using real aviation communications to create tasks for TRAINING

Tuesday 27 October, 2020

Moderators: Ana Lucia Monteiro (ICAEA Board), Angela Garcia (Carleton University)

Presenters: Aline Pacheco (PUC-RS), Malilla Prado (FJUT), Patricia Tosqui-Lucks (ICEA)

Webinar 5a was designed specifically for Aviation English teachers involved in curriculum or materials design, and focused on using real radio communications as input for the creation of training tasks. It demonstrated how Corpus Linguistics can be used to guide the writing of training activities aiming to develop interactional competence.

[SEE PRESENTATION](#)



ICAEA Webinar 5a - 2020 - Using real aviation communications to create tasks for training
de ICAEA

Using real aviation communication to create tasks for training and testing

Aline Pacheco (PUCRS)
Ana Lúcia Monteiro (ANAC, ICAEA)
Angela Garcia (ANAC, Carleton)
Malilla Prado (Fujian University of Technology)
Patrícia Tosqui-Lucks (ICEA)

ICAEA

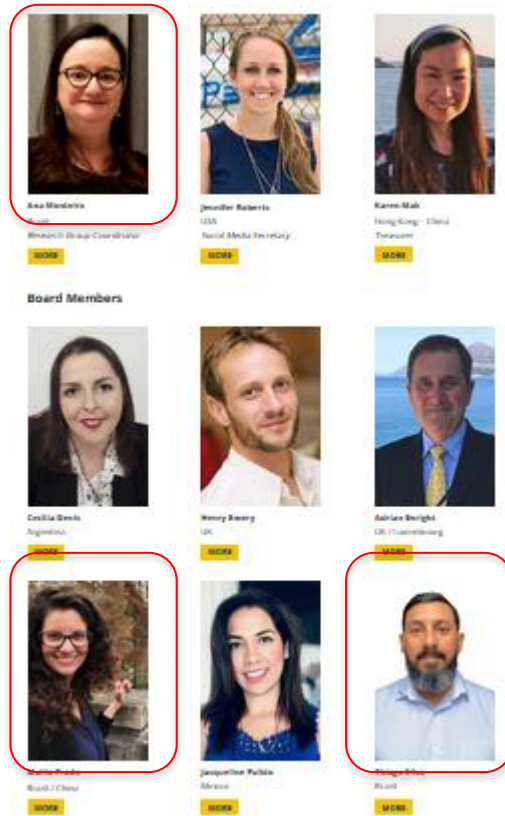
1:22:17

vimeo



ICAEA Board and Research Group

BOARD – 3 GEIA Members

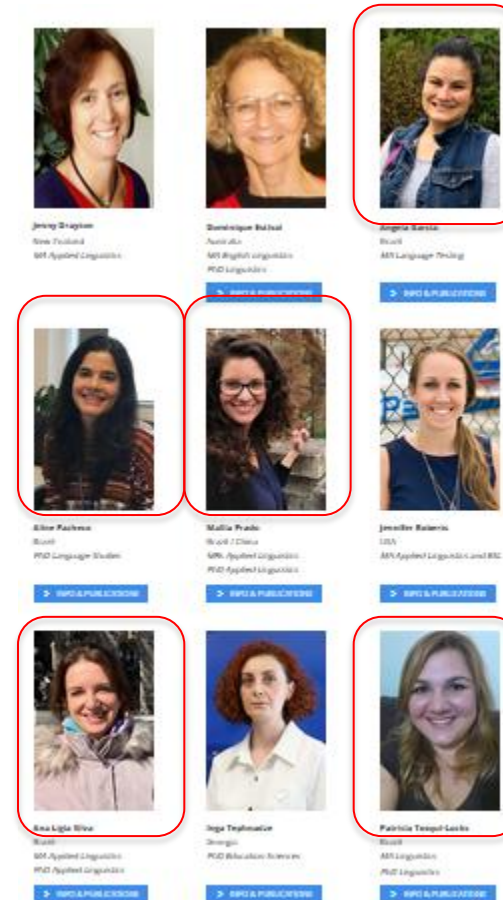


A grid of 9 board member profiles. Three members are highlighted with red rounded rectangles: Ana Mendes (top left), Cecilia Denis (middle left), and Enzo Ligio Bloor (bottom right). Each profile includes a photo, name, title, and a 'MORE' button.

Board Members

- Ana Mendes**
Brazil
Research Group Coordinator
[MORE](#)
- Jennifer Roberts**
USA
Social Media Secretary
[MORE](#)
- Karen Mok**
Hong Kong - China
Treasurer
[MORE](#)
- Cecilia Denis**
Argentina
[MORE](#)
- Henry Boney**
UK
[MORE](#)
- Adrian Berghel**
US, Luxembourg
[MORE](#)
- Enzo Ligio Bloor**
Brazil
[MORE](#)
- Jacqueline Pallas**
Mexico
[MORE](#)
- Francisco**
Brazil
[MORE](#)

RESEARCH GROUP – 5 GEIA members



A grid of 9 research group member profiles. Five members are highlighted with red rounded rectangles: Jenny Shugart (top left), Ana Ligio Bloor (middle left), Cecilia Denis (middle right), Enzo Ligio Bloor (bottom left), and Jacqueline Pallas (bottom right). Each profile includes a photo, name, title, and a 'INFO & PUBLICATIONS' button.

- Jenny Shugart**
New Zealand
MSc Applied Linguistics
[INFO & PUBLICATIONS](#)
- Dominique Bédard**
Australia
MEd Applied Linguistics
PhD Linguistics
[INFO & PUBLICATIONS](#)
- Angela Barros**
Brazil
MEd Language Teaching
[INFO & PUBLICATIONS](#)
- Ana Ligio Bloor**
Brazil
MEd Applied Linguistics
PhD Language Studies
[INFO & PUBLICATIONS](#)
- Marilia Pradie**
Brazil, Chile
MEd Applied Linguistics
PhD Applied Linguistics
[INFO & PUBLICATIONS](#)
- Jennifer Roberts**
USA
MEd Applied Linguistics and TESOL
[INFO & PUBLICATIONS](#)
- Enzo Ligio Bloor**
Brazil
MEd Applied Linguistics
PhD Applied Linguistics
[INFO & PUBLICATIONS](#)
- Inga Teilmann**
Denmark
PhD Education Sciences
[INFO & PUBLICATIONS](#)
- Fabíola Tesqui-Ledes**
Brazil
MEd Linguistics
PhD Linguistics
[INFO & PUBLICATIONS](#)

<https://www.icaea.aero/about/icaea-research-group/>

GEIA Academic Production



Book

E-book

Brazilian
Journal

European
Journal

In Portuguese

In English

Bilingual

Other Academic Journals



[Portal de Publicações](#) [Cadastro](#) [Acesso](#)



[INÍCIO](#) [ATUAL](#) [ARQUIVOS](#) [SOBRE](#) ▾

[Q BUSCAR](#)

[INÍCIO](#) / [ARQUIVOS](#) / v. 4 n. 1 (2020): Revista CBTeCLE

v. 4 n. 1 (2020): Revista CBTeCLE

O inglês é o idioma oficial da aviação e esse uso específico da língua tem sido foco de inúmeras pesquisas ao redor do mundo. Além de ser usado para a comunicação entre profissionais, como pilotos e controladores de tráfego aéreo, também é o idioma das publicações técnicas e dos registros de informações.

[ENVIAR SUBMISSÃO](#)

IDIOMA

[Português \(Brasil\)](#)

[English](#)

Editor: Dr Daniela Terenzi (IFSC)

Other Publications



ScienceDirect®



TRADTERM

[ATUAL](#) [ARQUIVOS](#) [SOBRE ▾](#)

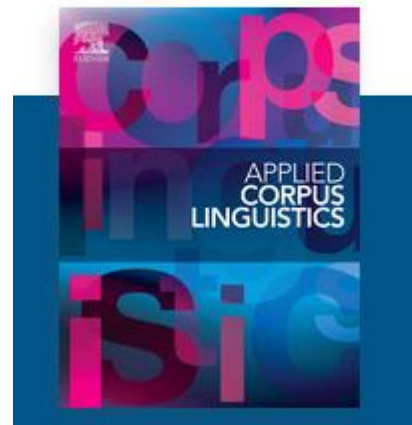
[INÍCIO](#) / [ARQUIVOS](#) /

v. 37 n. 1 (2021): Número Especial Linguística de Corpus: homenagem à Prof. Stella Esther Ortweiler Tagnin - 1

v. 37 n. 1 (2021): Número Especial Linguística de Corpus: homenagem à Prof. Stella Esther Ortweiler Tagnin - 1

Número Especial Linguística de Corpus 1 - Homenagem à Prof. Stella Esther Ortweiler Tagnin. Organização: Luciana Carvalho Fonseca, Rozane Rebechi e Patrícia Tosqui-Lucks.

PUBLICADO: 2021-01-29



REVISTA DE ESTUDOS DA LINGUAGEM

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Vol 29, No 2 (2021)

Número temático 29:2 (2021): Linguística de Corpus: Conquistas e Desafios

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Vol. 11, No 1, 2023

University of Niš, Serbia

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Ana Lígia Barbosa de Carvalho e Silva

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001-009

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Scimago Journal & Country

ANAC and ICAO (2017)



Foto: Agência de Notícias da ANAC

To celebrate 10 years since the implementation of the ICAO Language Proficiency Requirements (LPReq) in Brazil – implemented in 2007 – the Instituto de Controle do Espaço Aéreo (ICSA) and Agência Nacional de Aviação Civil (ANAC), the civil aviation regulation agency, teamed up last September for a symposium on pilot/air traffic controller language proficiency. The two governmental organizations are responsible for testing Brazilian air traffic controllers and civilian pilots. The event highlights past, present and future actions and projects related to training and testing, as well as test validity studies and various research results. Participants took part in a workshop, conducted in English, on the topics “O papel do SCDS e dos centros, torres e torres de controle”, “The Language Proficiency Requirements focusing on oral fluency” and “Language, culture and effective radiotelephony communication: analyzing case studies from aviation stakeholders’ perspective”.

The symposium was an opportunity for the 300 stakeholders from all over the country to share experiences and good practices. Participants included pilots, air traffic controllers, regulators, aviation English teachers, language proficiency test takers, airline administrators and researchers. According to Mr. Wagner Inácio, ANAC’s Operational Standards Superintendent, “It is very important to remember why this has all begun. It is not just in the past. It was understood that being proficient at standard proficiency was not enough to reach an acceptable level of safety. The ability to communicate effectively is increasingly necessary. Today the market is aware of the importance of keeping proficient in English. It is as important as maintaining technical and physical proficiency. Being proficient in English is something that pilots need to keep in mind during their professional career”.

Major Evandro José Torres, Air Traffic Control Officer and the Chief of the English Training and Testing Department at ICSA, added: “After 10 years of LPReq implementation, it is a great satisfaction to observe that, from north to south and from west to east of our huge country, the importance of mastering standard English is already a recurrent and

recurring subject in the conversations of these Brazilian professionals.”

Brazil developed their own tests for testing air traffic controllers and pilots (PLTS – Exame de Proficiência em Inglês – Dependência do Sistema de Controle do Espaço Aeronáutico) and SCDS (Centro de Serviço de Inglês de Atendimento, respectively, PLTS cards) of two pilots. The first phase is a listening comprehension test with 30 questions. The second phase consists of an oral proficiency interview assessed by independent examiners. SCDS is also developing a system to test listening comprehension. Since its implementation, more than 14,000 pilots and 5,400 air traffic controllers have gone through the language proficiency certification process. Pilot proficiency in English has been assessed over 30,000 times; 14,000 tests have been conducted by the Air Traffic Control Authority for licensing purposes. ☐

ANABELA BARCELONA - Brazil and
PATRICIA TON DAL-LOCCS - Brazil

38 | ICAO JOURNAL | ISSUE 1 | 2018



SIMPÓSIO COMEMORATIVO
ANAC-ICEA
10 ANOS
DOS REQUISITOS DE
PROFICIÊNCIA EM
INGLÊS AERONÁUTICO
NO BRASIL



- ICAO Journal Issue 1 – 2018

Brazilian Air Force



ARTIGO

A língua dos céus

Controladores de tráfego aéreo e pilotos do mundo todo falam a mesma língua

Em 2017, a Força Aérea Brasileira completou com orgulho dez anos de implementação dos requisitos de proficiência em inglês aeronáutico no Brasil

Por Dr. Sérgio de C. M. Lima, Andrew Gomes Silva
e José Américo de C.



Inglês como ferramenta de trabalho

O inglês aeronáutico é a verdadeira "língua franca" do espaço aéreo e é indispensável para a prestação de um serviço de controle de tráfego aéreo eficientemente seguro. São raras as vezes de acidentes graves provocados por insuficiência no inglês aeronáutico, porém, no livro de decolagem aéreo com esse nome, figura o mais notório de todos: o acidente do voo 105 da TAM, em Tenerife, em 1977.

Comunicação é a base do controle de tráfego aéreo. O treinamento essencial durante a comunicação

piloto-controlador, piloto-piloto ou mesmo controlador-controlador pode ter graves consequências para a segurança da aviação. Controladores e pilotos devem falar "a mesma língua". O conceito de comunicação estabelece um meio, um transmissor e um receptor; mas o êxito desse processo depende do conteúdo estabelecido de que se pretende comunicar: no âmbito da aviação, isso é a proficiência, no caso, no domínio da linguagem. É investir em segurança e na otimização do controle de tráfego aéreo. A organização do Instituto de Controle do Espaço Aéreo (ICEA).

PÁGINA INICIAL > NOTÍCIAS > 32995 > APERFEIÇOAMENTO DECEA REALIZA SEMINÁRIO DO GRUPO DE ESTUDOS EM INGLÊS AERONÁUTICO

CENTRAL DE CONTEÚDO

- FAB TV
- Rádio Força Aérea FM
- Imagens
- Áudios
- Notas
- Aerovisão
- Turma do Fabinho
- Aplicativo FAB
- Páginas Especiais
- Reserva Interativa

APERFEIÇOAMENTO

DECEA realiza Seminário do Grupo de Estudos em Inglês Aeronáutico

Evento reuniu cerca de 100 participantes, entre controladores de tráfego aéreo, pilotos, professores e pesquisadores

Publicada em: 31/10/2018 10:53

Fonte: DECEA, por Denise Fontes
Edição: Agência Força Aérea, por Tenente João Elias - Revisão: Capitão Landenberger



O Departamento de Controle do Espaço Aéreo (DECEA), por meio do Instituto de Controle do Espaço Aéreo (ICEA), realizou, entre os dias 18 e 19 de outubro, a 5ª edição do Seminário do Grupo de Estudos em Inglês Aeronáutico (GEIA). O grupo busca congrega pesquisas que tenham como objetivo estudar diferentes aspectos do inglês aeronáutico no contexto brasileiro, bem como suas relações com ensino, aprendizagem e avaliação.

O evento, realizado no Centro Militar de Convenções e Hospedagem da Aeronáutica (CEMCOHA), em Salvador (BA), reuniu controladores de tráfego aéreo, pilotos, comissários de voo, pesquisadores, professores, instrutores e avaliadores de inglês aeronáutico, além de representantes da Agência Nacional de Aviação Civil (ANAC) e da Empresa Brasileira de Infraestrutura Aeroportuária (Infraero).

- Revista Aeroespaço ano 15 nº 68 de fevereiro de 2018

Grants and Awards

GEIA members have presented at ICAEA conferences exempted from fees

GEIA Book sponsored by CAPES



Coordenação de
Aperfeiçoamento de
Pessoal de Nível Superior
Agência governamental



Grants and Awards

Natália Andrade

- Student Travel Award –
International Language
Testing Association (ILTA) – 2019

- British Council Language
Assessment Research Award – 2021



Grants and Awards

Natália de Castro Guerreiro

- Cambridge English John Trim Scholarship IATEFL Conference 2018 Brighton, England
- Funding for the ICAEA Conference 2018, Daytona Beach, USA



Grants and Awards



Paula Ribeiro e Souza

Received a Commendation from the Coordination for the Improvement of Higher Education Personnel (CAPES), at the CAPES Thesis Awards 2019.

SOUZA, P. R. The washback of EPLIS on teachers' and learners' perceptions, attitudes and actions in an air traffic control initial training course. 2018. 384f. Dissertation (PhD in Applied Linguistics) - Instituto de Estudos da Linguagem, Universidade Estadual de Campinas, 2018.

Grants and Awards

Ana Lígia Barbosa de Carvalho e Silva

Nomination for the following awards:

- 1-) "Prêmio CAPES", 2023, from CAPES (Coordination for the Improvement of Higher Education Personnel) Brazil;
- 2-) "Prêmio Tese Destaque Unicamp", 2023, from the University of Campinas, Brazil;
- 3-) "Prêmio Marcuschi", 2023, from ANPOLL (National Association of Postgraduate Studies and Research in Literature and Linguistics) - Results will come out in October.



New releases (2023)



AWARD E-book Doctoral Thesis/Dissertation 2023", from Postgraduation Program in Applied Linguistics from the Language Studies Institute, University of Campinas, Unicamp), Brazil.



New releases (2023)



2 volumes – 27/1 and 27/2
“Aviation English Special Volume: Enhancing Efficiency in Aeronautical Communications – 9th GEIA Proceedings”. This is a publication of the Polish Journal “Applied Linguistics Papers”, in a GEIA partnership with the Aviation Communication Research Centre and the Faculty of Applied Linguistics of the University of Warsaw – Poland.

New releases (2023)



Commemorative Issue of the GEIA
10th Anniversary

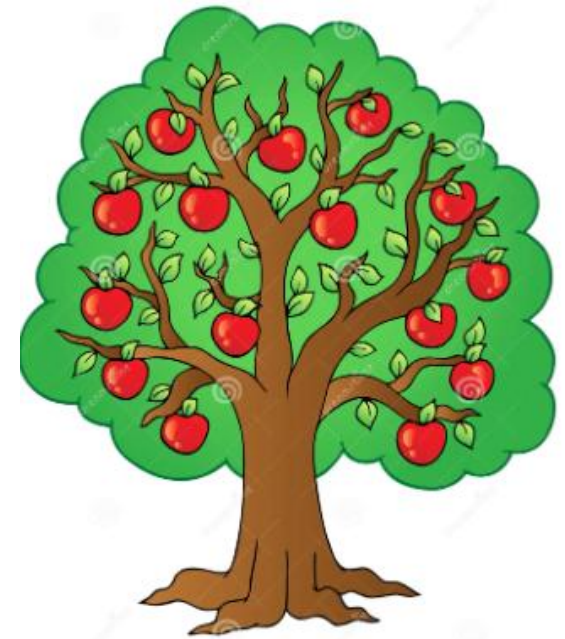
2 volumes – Edition in English and in
Portuguese



Group

A group is just as good as its members

GEIA has been growing strong year after year thanks to the commitment of its members, the recognition of its participants and the hard work of its collaborators. I am grateful and proud to be the leader of such wonderful people!



GEIA by its Members



group, opportunity, work, language, important, academic, memory, development, incentive, international, exchange, discussions, projects, teaching, part, union, assessment, pandemic, always, participants, world, special, area, interact, publications, rich source, visibility, studies, ICEA, workshops, Brazil, reach, sharing, proficiency, friends, inspiration, contribution, community, enthusiasm, references

Baby boom



Baby boom



Baby boom



Coming next

- GEIA 10 Proceedings published in partnership with Embry-Riddle Aeronautical University in 2024



- 2024 - GEIA 11 on-line
- 2025 - GEIA 12 in person...

“Inventing is imagining what no one offers; it is believing what no one has sworn; it is risking what no one has dared; it is accomplishing what no one has tried. To invent is to transcend. Inventions are, above all, the result of stubborn work.”

Alberto Santos Dumont

Obrigada!

geia.icea@fab.mil.br

