PROGRAMME

WEDNESDAY, September 20th

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08:45 - 09:00 h Opening NL4XAI & HYBRIDS

Senén Barro, NL4XAI Coordinator and CiTIUS Scientific Director
Pablo Gamallo, HYBRIDS Coordinator

09:00 - 10:45 h Science Communication-Expanding Knowledge and Practice, Ángela Muñiz y Tamara Rodríguez, FEUGA (part 1)

In this interactive session, we will explore techniques to effectively engage with key stakeholders and develop targeted communication strategies

- Stakeholders' Analysis: Identify target groups, understand the importance of engaging with them, and explore effective methods of engagement.
- Crafting Key Messages: Learn how to develop impactful messages that resonate with your target audience.
- Choosing the Right Channels: Discover the best communication channels to reach your stakeholders and strategies for maximizing their impact. Gain insights from different examples and lessons learned.
- Building Networks and Partnerships: Explore the power of collaborations and partnerships in science communication and how to leverage them effectively.

10:45 - 11:15 h Coffee

11:15 - 13:00 h Mentoring session (Part 1: Project Presentations and Group Formation:)

This mentoring session serves as a collaborative platform for students within both the NL4XAI and HYBRIDS networks. It commences with brief project presentations by the Doctoral Candidates, allowing each to showcase their research endeavors within the two networks. Following these concise introductions (approximately 5 minutes each), participants will be grouped based on their research areas and interests.

13:00 - 14:30 h Lunch

14:30 - 16:30 h Mentoring session (Part 2: Group Work and General Discussion:)

In the second session, students will actively engage in group activities that promote knowledge exchange and collaboration. Working within their respective groups, participants will delve into meaningful discussions, sharing insights and leveraging the diverse expertise present in both networks. These interactions aim to enhance the learning experience and enrich the research pursuits of all involved.
Towards the conclusion of the mentoring session, the outcomes of these group discussions will be shared in a joint, comprehensive discussion. This final part provides an opportunity for participants to collectively reflect on the insights gained, fostering a deeper understanding of the various research areas and perspectives within the NL4XAI and HYBRIDS networks.

16:30 - 17:30 h , An overview of neuro-symbolic strategies for natural language processing, María Leonor Pacheco, Purdue University-USA

The goal of neuro-symbolic methods is to combine symbolic representations and neural networks to benefit from the complementary strengths of the two paradigms. On the one hand, symbols have inherent explanatory power, and they can help us express domain knowledge and enforce consistency across different decisions. On the other hand, neural methods are very expressive and can help us identify patterns in large-scale raw data. These ideas have a long history in AI and currently experience a resurgence of interest in several AI communities, including Natural Language Processing. In this talk, I will give an overview of neuro-symbolic strategies and how they have been applied to problems in Natural Language Processing and Computational Linguistics.

18:00 Cultural visit to the USC heritage

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THURSDAY, September 21st

09:00 - 10:45 h Science communication-Expanding knowledge and practice, Ángela Muñiz y tamara Rodríguez, FEUGA (part 2)

In this interactive session, we will explore techniques to effectively engage with key stakeholders and develop targeted communication strategies

- Scientific Publications Academy: Understand the role of scientific publications in communication and learn techniques to make them accessible and engaging for broader audiences.
- Monitoring and Evaluation: Learn how to monitor and evaluate the effectiveness of your science communication efforts and make necessary adjustments for continuous improvement.

10:45 - 11:15 h Coffee

11:15 - 13:00 h Round table: Challenges of large language models and explainable artificial intelligence to deal with polluted information

PANELISTS: **Alisa Rieger**, NL4XAI PhD Resercher, University of Delft; **Corrado Mencar**, Associate Professor, Università degli Studi di Bari Aldo Moro; **Javier Díaz Cortés**, Data Scientist, INDITEX; **José Ramom Pichel Campos,** R&D Director, IMAXIN; **Katarina Laken**, HYBRIDS PhD Researcher, FBK; **Lina María Rojas Barahona**, Senior Research Scientist, ORANGE.

MODERATOR: **José María Alonso Moral**, Tenured Professor, CiTIUS-USC

13:00 - 14:30 h Lunch

14:30 - 16:30 h NL4XAI 4th Supervisory Board Meeting (SB)

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This session involves a meeting exclusively for the members of the NL4XAI network. It will encompass discussions and assessments related to the progress and strategic direction of the NL4XAI project. Participants will share insights, exchange ideas, and make decisions aimed at enhancing the project's success and impact

21:00 - Dinner at A MOA, Rúa de San Pedro, 32, 15703 - Santiago de Compostela

PROGRAMME

FRIDAY, September 22nd

10:00 - 11:45 h , Corpus Annotation: Basic Steps to Plan an Annotation Campaign, Martín Pereira, USC

Robust, well-organised, and machine-readable annotated corpora are valuable resources for qualitative and quantitative inquiries in Social Sciences, Humanities and Computer Science. Nevertheless, the generation of such corpora is a time-consuming and expensive task, demanding a careful planitification for succesful completion. The main goal of this methodological presentation is to outline a set of basic steps, alongside additional tips and tricks, for developing an annotation campaign. We'll begin with the very firsts steps (e.g. selecting the text fro annotation, creating annotation guidelines, etc.) to the very lasts ones, including evaluation or making it publicly available.

11:45 - 12:15 h Coffee break

12:15 - 13:00 Final discussion and farewell

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