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## 1. Introduction

One of the goals of the capacity-building project NEON is to foster enduring relationships among project partners. Throughout the project's duration, partners acquired a deeper understanding of each other's capabilities, paving the way for future collaborations in the academic sphere. These enduring partnerships were solidified through a series of bilateral agreements, ensuring ongoing educational cooperation even after the project's conclusion.

## 2. Objectives of the Deliverable

This deliverable provides an overview of key initiatives within the domain of educational partnerships, aimed at fostering improved student and staff mobility, as well as promoting collaboration in the creation of new study programs and the enhancement of existing ones, with an eye toward future cooperation.

## 3. Summary of created partnerships

In this chapter, we present an overview of the partnerships established among the NEON project partner institutions over the course of the project. Section 3.1 specifically compiles bilateral agreements for collaboration in, teaching, and research.

### 3.1 Bilateral agreements for cooperation in teaching and research

Several bilateral agreements have been formed to strengthen and formalize collaboration in both teaching and research domains:

- Bilateral agreement between the Universidad Nacional de Mar del Plata (Argentina), and the Universidad Carlos III de Madrid (Spain)
- Bilateral agreement between the Universidad Catolica de Uruguay (Uruguay), and the Universidad Carlos III de Madrid (Spain)
- Bilateral agreement between the Universidad Catolica de Uruguay (Uruguay), and the Universidad de Mar del Plata (Argentina)
- Bilateral agreement between the Universidad de la Republica (Uruguay), and the Universidad Nacional del Sur (Argentina)
- Bilateral agreement between the Universidad Nacional de Cordoba (Argentina), and the Universidad de la Republica (Uruguay)

### 3.2 Joint-Study Mobility Agreement

The project NEON executed some exchanges and visits for both students and teaching staff. To foster enduring connections and enhance mobility among the partners, the following Joint-Study agreements were formalized:

- Joint-Study mobility agreement between the University of Klagenfurt (Austria) – Faculty of Technical Sciences and the Universidad Nacional de Cordoba (Argentina) – Faculty of Exact, Physical and Natural Sciences, dated 18/01/2023
- Joint-Study mobility agreement between the University of Klagenfurt (Austria) – Faculty of Technical Sciences and the Universidad Nacional del Sur (Argentina)– dated 18/01/2023

### 3.3 Possible future academic collaboration generated through joint industry-academia laboratories and cooperation agreements with industry established in the framework of NEON

NEON has set up five innovative joint industry-academia laboratories, as detailed in D4.2, which enhance opportunities for collaboration through various training programs and internships. These programs include project work, developmental challenges, hackathons, and team competitions, all tailored to the specific focus of each laboratory:

- Cooperation Agreement between CONAE, Cordoba and Universidad Nacional de Cordoba - on the establishment and exploitation of a joint university-industry laboratory “Digital Communications Laboratory”, located at the Universidad Nacional de Cordoba, Argentina- . Dated 27/10/2022.
- Cooperation Agreement between Incutex S.A, Cordoba and Universidad Nacional de Cordoba - on the establishment and exploitation of a joint university-industry laboratory “Digital Communications Laboratory”, located at the Universidad Nacional de Cordoba, Argentina- . Dated 07/04/2022.
- Cooperation Agreement between Penta S.A, Bahia Blanca and Universidad Nacional del Sur - on the establishment and exploitation of a joint university-industry laboratory “Signal Processing for Communications Laboratory”, located at the Universidad Nacional del Sur, Bahia Blanca, Argentina- . Dated 20/04/2022.
- Cooperation Agreement between Zyzgy Inc, Bahia Blanca and Universidad Nacional del Sur - on the establishment and exploitation of a joint university-industry laboratory “Signal Processing for Communications Laboratory”, located at the Universidad Nacional del Sur, Bahia Blanca, Argentina - . Dated 20/04/2022.

- Cooperation Agreement between Emtech S.A, Bahia Blanca and Universidad Nacional del Sur - on the establishment and exploitation of a joint university-industry laboratory “Signal Processing for Communications Laboratory“, located at the Universidad Nacional del Sur, Bahia Blanca, Argentina - . Dated 20/04/2022.
- Cooperation Agreement between Lyrtron S.A, Mar del Plata and Universidad Nacional de Mar del Plata- on the establishment and exploitation of a joint university-industry laboratory “Communications Technology applied to IoT“, located at the Universidad Nacional de Mar del Plata, Argentina - . Dated 11/04/2022.
- Cooperation Agreement between Tech Inside S.A.S, Mar del Plata and Universidad Nacional de Mar del Plata- on the establishment and exploitation of a joint university-industry laboratory “Communications Technology applied to IoT“, located at the Universidad Nacional de Mar del Plata, Argentina - . Dated 11/04/2022
- Cooperation Agreement between Catonian S.A.S, Mar del Plata and Universidad Nacional de Mar del Plata- on the establishment and exploitation of a joint university-industry laboratory “Communications Technology applied to IoT“, located at the Universidad Nacional de Mar del Plata, Argentina - . Dated 19/04/2022
- Cooperation Agreement between Digimage Electronica S.A.S, Mar del Plata and Universidad Nacional de Mar del Plata- on the establishment and exploitation of a joint university-industry laboratory “Communications Technology applied to IoT“, located at the Universidad Nacional de Mar del Plata, Argentina - . Dated 11/04/2022
- Cooperation Agreement between Entre Ovejas y Cabras, Canelones and Universidad de la Republica- on the establishment and exploitation of a joint university-industry laboratory “IoT Laboratory“, located at the Universidad de la Republica, Montevideo, Uruguay- . Dated 14/06/2022
- Cooperation Agreement between Focus Ingenieria SRL, Montevideo and Universidad de la Republica- on the establishment and exploitation of a joint university-industry laboratory “IoT Laboratory“, located at the Universidad de la Republica, Montevideo, Uruguay- . Dated 26/04/2022
- Cooperation Agreement between Silvermist S.A, Montevideo and Universidad de la Republica- on the establishment and exploitation of a joint university-industry laboratory “IoT Laboratory“, located at the Universidad de la Republica, Montevideo, Uruguay- . Dated 29/04/2022
- Cooperation Agreement between IM-UTAP, Montevideo and Universidad de la Republica- on the establishment and exploitation of a joint university-industry laboratory “IoT Laboratory“, located at the Universidad de la Republica, Montevideo, Uruguay- . Dated 03/09/2023
- Cooperation Agreement between Lidefox, Montevideo and Universidad de la Republica- on the establishment and exploitation of a joint university-industry laboratory “IoT Laboratory“, located at the Universidad de la Republica, Montevideo, Uruguay- . Dated 20/10/2023
- Cooperation Agreement between Batfer Investment S.A, Montevideo and Universidad Catolica del Uruguay- on the establishment and exploitation of a joint university-industry laboratory “IoT for Agribusiness Laboratory“, located at the Universidad Catolica del Uruguay, Montevideo, Uruguay- . Dated 17/06/2022
- Cooperation Agreement between Alassio S.A, Montevideo and Universidad Catolica del Uruguay- on the establishment and exploitation of a joint university-industry laboratory “IoT for Agribusiness Laboratory“, located at the Universidad Catolica del Uruguay, Montevideo, Uruguay- . Dated 27/04/2022
- Cooperation Agreement between Alenet S.A, Montevideo and Universidad Catolica del Uruguay- on the establishment and exploitation of a joint university-industry laboratory

- “IoT for Agribusiness Laboratory”, located at the Universidad Catolica del Uruguay, Montevideo, Uruguay- . Dated 02/05/2022
- Cooperation Agreement between Laured S.A, Montevideo and Universidad Catolica del Uruguay- on the establishment and exploitation of a joint university-industry laboratory “IoT for Agribusiness Laboratory”, located at the Universidad Catolica del Uruguay, Montevideo, Uruguay- . Dated 21/06/2022
  - Cooperation Agreement between Minegold S.A, Montevideo and Universidad Catolica del Uruguay- on the establishment and exploitation of a joint university-industry laboratory “IoT for Agribusiness Laboratory”, located at the Universidad Catolica del Uruguay, Montevideo, Uruguay- . Dated 01/04/2022

Furthermore, the cooperation between industry and academia in the framework of WP4 has resulted in agreements for student trainings:

- Memorandum of understanding between Alliansys S.A, CABA and Universidad Nacional del Sur, Bahia Blanca, Argentina, to involve students in industry internships and training at the company- . Dated 20/04/2022.

## 4. Conclusions

The project NEON has facilitated the establishment of a network among the participating institutions, extending beyond individual Telecommunications and ICT departments. These connections encompass bilateral agreements and Joint-Study agreements, which are also open to other departments within the partnering universities.

While several academic student and staff exchange collaborations have been initiated, their implementation was delayed due to the pandemic situation in the initial year of the project. Nonetheless, we reported active cooperation involving members of PhD, master and bachelor committees. Furthermore, in addition to the implemented mobilities and the new Joint-Study agreements, it is worth noting that several students have benefitted in their studies as full-time PhD and Bachelors students at partnering institutions, thanks to the training and networking opportunities provided by project events.

In summary, the project has laid a strong foundation for long-term cooperation in educational endeavours. The pre-existing and newly established connections have led to a deeper understanding of academic programs and have unlocked potential avenues for future collaborations in the development of new study programs, as well as the enhancement of existing one

## 5. References

D4.2. [Report on the created five joint universit-company labs](#) Erasmus+ KA2 Project NEON Deliverable, 2021



