

# What is ETH Kipu?

ETH Kipu is a nonprofit foundation supported by the Ethereum Foundation through the Ecosystem Support Program.

Kipu was founded at the end of 2022 by a group of individuals from different countries of Latin America.

Our mission is to strengthen the Ethereum ecosystem through education and cooperation.



### **Work areas**

While our teams collaborate in an integrated way, we organize our initiatives into four main work areas:



#### **Education**

We educate the Latin American community about the Ethereum ecosystem using sustainable formats accessible to everyone.



### **Kipu Stakers**

We support local communities in managing their own nodes. At the same time, we educate about the importance of decentralization and collaboration.



### Kipu Impact

We build relationships with Ethereumaligned actors in Latin America, identify needs and opportunities, and advocate for a sustainable ecosystem.



#### **ETH Latam**

An event co-created by the Latin American community, it's the gathering where we come together to share knowledge, updates, and experiences about Ethereum.



# A new target: young attendees

Think about the people you see at Devcon, Devconnect, ETH Denver... we're all adults.

During our last ETH Latam event in Honduras, we noticed a significant change: a lot of young attendees.

This was a **unique experience** that made us rethink our approach of our events and courses.



# An event about Ethereum for high school students

Last August we approached the **Ministry of Education in Buenos Aires** with a proposal to hold an event for 200 high school students during the Ethereum Argentina community's conference and hackathon week.

We held introductory talks tailored for young people, ages 15 to 18, from both public and private schools—and it was a success! This became the starting point for launching a pilot program to teach Ethereum in high schools.

# ETH Kipu - Ministry of Education

500 Solidity students

Training the trainers

Ethereum in high schools

Providing upskilling opportunities for adults in Buenos Aires who are interested in advancing their knowledge of new technologies.

Preparing potential Solidity instructors to expand blockchain education.

Offering professional practice programs that introduce Solidity to high school students.

# We were in the spotlight and would love to spread this globally!



#### **BREAKING:**

Ethereum and Solidity are now formally integrated into high school education programs in Buenos Aires

High schools students will learn to write #Ethereum smart contracts

Vamos Argentina!



Buenos Aires, August 19th, 2024

### Argentina Leads the Way: Ethereum Education Now Part of High School Curriculum

In a groundbreaking move for technological education, Argentina is set to integrate Ethereum and blockchain technology into high school curricula across Buenos Aires city. This initiative, organized by ETH Kipu Foundation in collaboration with the Ministry of Education of the City of Buenos Aires and supported by the Ethereum Foundation, represents a major leap forward in preparing the next generation for the tech economy.

#### Introducing Blockchain in Classrooms:

As part of this initiative, high schools in Buenos Aires will soon offer professional internships in blockchain projects, giving students hands-on experience in one of the most rapidly growing sectors globally—the first course starts on August 27th.

Additionally, an online Solidity course, aimed at training 500 students aged 18 and over, will be launched. This course will equip young adults with the skills needed to develop decentralized applications (dApps), further integrating blockchain into the local economy.

To ensure the success of this initiative, a hybrid training program will be introduced to prepare 30 educators to teach Ethereum and blockchain-related subjects. This program will help build a sustainable educational framework that can be expanded to other regions.

3:14 AM · Aug 24, 2024 · **815.3K** Views

Launching a pilot program with the Buenos Aires Ministry of Education

# Introducing Ethereum in classrooms

- We began teaching Ethereum to 24 students
  from 7 schools in Buenos Aires in August.
- They are learning Solidity as part of their mandatory Professional Practice Programs: educational activities that technical high schools must organize to enable students to apply their learning and gain experiences similar to those they will encounter in their future careers.
- This is the first professional practice program with blockchain as its main focus.

# Organization of the **Ethereum Developer Pack contents**

Each module has been designed to offer a comprehensive and hands-on learning experience, aligned with the needs of the Ethereum ecosystem.



Module 1

#### Introduction to Smart Contracts

We reviewed the basic concepts of blockchain and Ethereum. We created our first smart contract.



Module 2

#### Solidity Fundamentals

We learn about the main language for programming smart contracts: Solidity.



Module 3

## Standards, libraries and patterns

In-depth study of standards such as ERC20, ERC721 Main libraries and good design practices.





Module 5

# Security, testing and audit

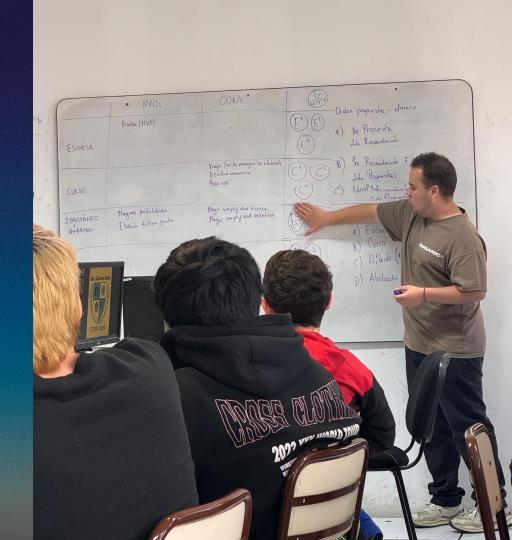
We learn methodologies for testing, as well as the main vulnerabilities in smart contracts.

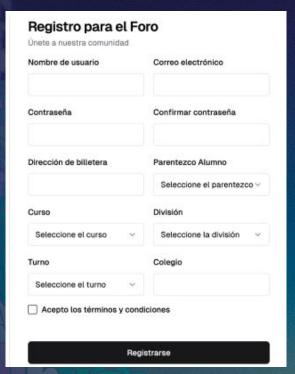
# Co-Creating for transparents decisions

Students decided to create a product to decentralize their school's "cooperadora" (parent-teacher association fund)

The students are developing an MVP to bring contributions on-chain, learning how to manage funds with a multisig wallet and co-creating a voting system to vote quarterly on fund allocation.

Their challenge is learn how to create a **decentralized application** for others students like them and for their families.











# This is a WIP

### Give ownership to students

• We've given the students **high levels of autonomy** in deciding how to develop the code (e.g., contracts are currently separate).

## Adaptability of the curriculum

• The timeline and content need to **remain flexible**, adjusting based on the interactions and feedback we receive from the students.

### **Emulate real work experiences**

 Internships don't always provide the full work experience. To address this, we've integrated: documentation, Discord comms and sprint reviews.



# Ongoing learning and documentation

# Exploring the best ways to teach Solidity in classrooms

We're documenting everything to standardize the teaching process, with the goal of expanding to more schools next year and potentially to other countries.



# How would you teach Ethereum to your 15-year-old nephew?

