#2 Tezos Meetup China

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Introduction to Cryptium Labs

By @awasunyin

Cryptium Labs is a validation service and we have been baking on Tezos since Cycle 11.
Cryptium Labs 是一个验证服务，我们从第11周期开始烘焙Tezos。

It’s based in a country called Switzerland. Me and Adrian are leaving in Zug (the Cryptovalley) and Chris lives in Berlin. Before getting into more details on what we do, I want to share our vision on how the Blockchain ecosystem will evolve in the future.

我们来自于瑞士。我和 Adrian要离开苏黎世（加密硅谷），Chris住在柏林。在开始之前，我想先分享一下我 们的愿景，关于区 块链生态系统在未来的进化。

当前的区块链生态系统由依赖于工作量证明(PoW)的网络和彼此独立的社区组成

The current blockchain ecosystem is vastly composed by networks that rely on Proof-of-Work and communities that are isolated from each other

Currently Proof-of-Stake is one of the most popular research topics and even though protocols like Tezos are already in production, the vast majority of networks still rely on Proof-of-Work. And not only that, all of these networks are isolated technologically as well as their communities.

当前PoS是最受欢迎的研究课题之一，即使像Tezos这样已经在主网使用了PoS协议，还有大量的网络依赖于PoW。不仅如此，所有这些网络以及他们的社区从技术上是独立的。

I. 权益证明(PoS)将替代工作量证明(PoW)

Proof-of-Stake will be an alternative to Proof-of-Work

We, as Cryptium Labs, have two fundamental theses:
The first one is that Proof-of-Stake will be superior to Proof-of-Work to secure the consensus of decentralised systems.

我们有两个根本:
第一个是PoS将优于PoW，以确保去中心化系 统共识的安全。

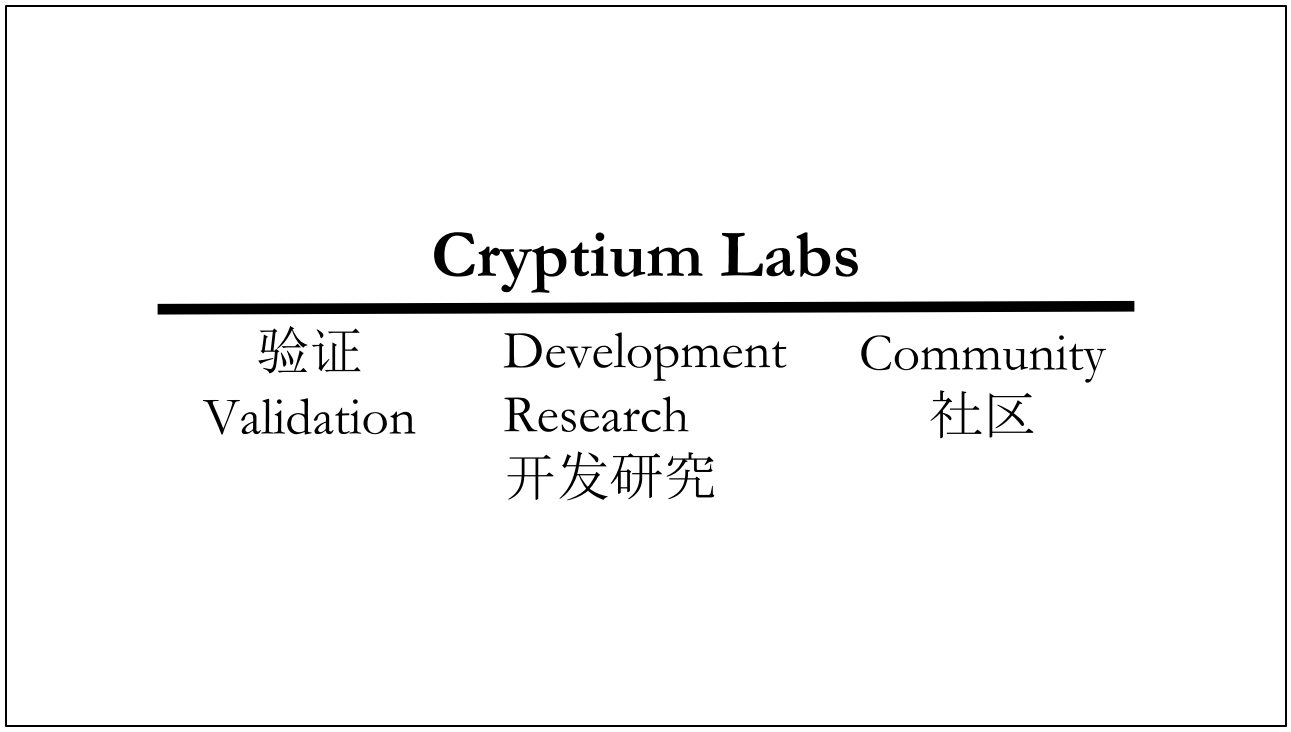
II. 将会有许多链，而只有一个生态系统

There will be many chains, and one ecosystem

The second one is that there will be many heterogeneous chains co-existing.

In other words, we believe in the success of Proof-of-Stake and that there will be state machines relying on different variants of PoS.

第二点，将会有大量不同 结构的链共存。换言之，我 们相信PoS会成功，且将会有状 态机依赖于不同的PoS。



Keeping this in mind, Cryptium Labs is built on three pillars:
Validation: setting up secure and available validation services for many networks. Which, in essence, requires understanding how the protocol works. Understanding the risks, for example what the slashing conditions are; the economics like expected rewards; enabling practical tasks like how to pay delegators; and most importantly, security-wise how to protect the keys while making them available.

Development & Research: Building open-source tooling for networks, both for other validators and application developers. For example, we will be open-sourcing our tooling for correctly calculating and executing the payouts. But there is still plenty of room for making smart contract development in Michelson easier, for example.

Community development: Essentially, distill what's most important from the previous and communicate it in an easy to understand and accessible way. For example, making it easier for people regardless of their background and experience, to understand the basics of Proof of Stake in Tezos and the economics behind it.

请记住，Cryptium Labs会构建于3个基石之上：
验证：为很多网络建设安全可靠的验证服务。本质上，这需要理解协议工作的原理。理解风险，比如削减条件是什么；预期回报的经济学；实现如何支付委托人等 实际任务；最重要的是，安全方面，如何在使用密 钥时保护密钥。

开发研究：为其他验证者及应用开发者构建开源的网 络工具，例如，我 们将开源我 们的计算并执行支出的工具。但是仍然有大量的空 间让迈克尔逊的智能合 约开发更容易。

社区开发:提炼之前最重要的东西，并以易于理解的方式进行沟通是最本质的。例如，无论他们的背景和经历如何，让人们更容易理解Tezos权益证明的基本知识及其背后的经济学。

日程安排Meetup Agenda

Part I (演讲Presentations)

1. 简单介绍Cryptium Labs
2. 区块链与共识算法介绍
3. 介绍PoS及PoW和PoS之间的区别
4. 介绍不同的PoS
   （DPoS，LPoS，BPoS，NPoS）
5. Tezos上手（理解协议，经济学，生态系统，工具）

- Brief introduction to Cryptium Labs
- Introduction to Blockchain and Consensus Algorithms
- Introduction to PoS and comparison with PoW
- Different PoS variants (DPoS, LPoS, BPoS, NPoS)
- Getting started with Tezos (understanding protocol, economics, ecosystem, tools)

Part II (工作坊Workshop)

1. Betanet上运行你自己的Tezos节点
2. Tezos客户端基本命令
3. 用Tezos客户端, Tezbox, Galleon, 进行委托代理
4. 通过互动的迈克尔逊智能合约(Michelson)介绍智能合约和示例（演示+示例）

- Running your own Tezos node on the *betanet*
- Basic commands with Tezos-Client
- Delegating with Tezos-Client, TezBox, Galleon
- Introduction to smart contracts and demo with interactive Michelson smart contract (Presentation + Demo)

问答环节Special Q&A Sessions

有两种方式的问答：

1. 在每个话题结束的时候举手问问题（用英语提问），我们会现场马上回答
2. 在微信群里写下你的问题。如果是英语的提问，我们会马上回答，如果是中文的，我们会收集整理成中文的FAQ并在微信群内分享

If you have questions about the presentations, the topics, or Cryptium Labs, you can do two things:
Option A) Ask the question in public (must be in English) at the end of every presentation topic by raising your hand, we will answer them immediately on stage.
Option B) Write your question in our WeChat group! If it's in English, we will answer them during the event in public, if it's in Chinese, we will collect them and compile FAQ in Chinese and share with the WeChat group.

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Valid until 9/16 and will update upon joining group

Schedule (时间表)

13:45 - 13:55: Introduction to Cryptium Labs

~BREAK (5 Minutes)~

14:00 - 14:20: Introduction to Blockchain & Consensus (Part I)

~BREAK (5 Minutes)~

14:25 - 14:45: Introduction to Blockchain & Consensus (Part II)

~BREAK (5 Minutes)~

14:50 - 15:05: Variants of PoS & Introduction to Tezos

~BREAK (5 Minutes)~

15:10 - 15:25: Introduction to Tezos

15:30 - 16:00: Roundtable & Discussion

~BREAK (10 Minutes)~

16:10 - 17:20: Tezos-Client Workshop

~BREAK (5 Minutes)

17:25 - 17:55: Michelson Workshop

17:55- 18:00: Recap & Final Words


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