

## ASv2 - Social Media Handle Mapping

### Who we are

Celo is a mobile first Blockchain with a focus on Climate and ReFi. The Global South have consistently leap frogged traditional technology through mobile, and that's where Celo's focus lies - local communities. We aim to run projects locally, with an impact that can grow globally.

### The Topic

At the core of Celo technologies is the ability to map long wallet addresses to simple phone numbers. To this end, Celo developed [ODIS](#) to preserve phone number privacy after it has been submitted for processing and [ASv1](#) which validators use to receive phone number mapping requests and confirm the validation. The validators then earned a reward for every successful validation. Celo has now developed Social Connect ([ASv2](#)) which allows verified nodes, called issuers, to perform what the validators did with ASv1. This greatly increases the number of verifications that can be performed but introduces the question of trust in "issuers" performing this task which was previously handled by vetted validators.

Your task is to extend the capabilities of ASv2, and ASv1 if so wished, to securely allow social media handle mappings. For example, Facebook, Twitter, Instagram or TikTok handle to a wallet address.

### Research Milestones

1. Gain a thorough understanding of the Attestation Service and ODIS.
2. Come up with a way to pass social media handles SocialConnect (ASv2).
3. Present a unified and smooth user experience which allows an issuer or validator to verify the social media handle

### Deliverables

Students may choose their deliverables as long as it is agreed upon with Celo. Deliverables may be in the form of a research paper or technical implementation. Students are also expected to provide a publicly available portion of their work to the Celo community in a written (most likely Blog) format or oral format.