Senatus : A next generation e-governance platform

***Index Terms*—e-governance, blockchain, cosmos network, cosmwasm, juno network.**

I. Introduction

The goal of Senatus is to bridge the gap between governing bodies and the common people. The end goal of a perfect government is to have minimum government and maximum governance[1]. The existing form of republican democracy has led to a more centralized form of government which leads to inefficiencies and excess use of the budget[2]. Blockchain technology in its decentralized form, has been on the rise for last decade and it has brought out many decentralized applications to the everyday life. The current goal of Senatus is to setup a platform which can make use of decentralized nature of blockchain and use it towards re-inventing the regular governance modules into the decentralized way.

Following modules are to be designed as part of the first MVP for the platform.

1) **Petition:** Purpose of any petition is to raise awareness and generate uproar to cause change[3]. Petitions in its currently outdated form serve the former in a limited manner but it is unable cause enough uproar to bring in any change. The Senatus platform is reinventing petitions with a token based system where depending on the raised awareness and numbers gained, a petition can be boosted to cause the uproar.
2) **Bounty:** Extending the petition module, the goals of petition can be fulfiled by the platform or can be fulfiled by any individual or an entity using a bounty mechanism. In case of a bounty claimed by a user, Senatus in that scenario will act like an escrow and release the tokens after fulfilment of the goal.
3) **Participate:** Users can participate in governing and non-governing activities by the use of token. The token depending on it's value will be used to boost the governing activities. The user will also be rewarded with tokens depending on the activities performed.
4) **Vote:** Senatorial issues and targets can later be voted on by a liquid DAO module. Participation in the votes will be rewarded by the host.
5) **Govern:** Any existing governing bodies (i.e. corporate entities, local governments, housing associations, etc.) will be able to use our platform to keep track of ongoing activities and make decisions on the pending tasks. An open ledger system will help to add transparency to this process.

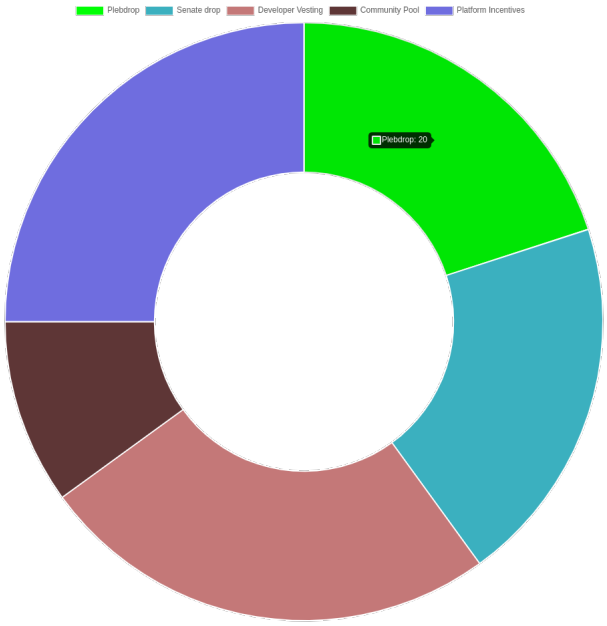

Fig. 1. Token distribution of the available supply of 100,000,000 $SPQR Tokens.

II. Token Distribution

The token symbol $SPQR is used here as a tribute to the Roman Republic. The token will be initally released as a CW-20 token on Juno network[4]. As the platform evolves, the token will be migrated to a native token built on top of the cosmos SDK[5]. In the time of migration, all the token holders will be provided with a 1:1 match of native $SPQR token on the native chain.

The total supply of $SPQR is currently at 100,000,000 with a max cap set at 300,000,000 $SPQR. The remaining 200,000,000 tokens will never be minted while the token exists as a CW-20 token. Extra tokens will be minted only after migrating to the native cosmos based chain. In case the migration is cancelled, tokens will be limited to the initial supply of 100,000,000 $SPQR. (Note: 6 Decimal places are used for the token)

The token distribution will be split into 5 groups.

- Plebdrop : 20% A first of the two airdrops will be provided to the $ATOM and $JUNO participants for staking and participation in the network activities. This being a plebdrop, all the aristocrats on cosmos and Juno chain will be excluded from the drop.
- Senate Drop: 20% The second airdrop will be conducted 3 months after the launch of liquidity pool on Junoswap[6]. Users providing liquidity and participating in the platform activity will be considered senators and

will be rewarded with the second airdrop. Aristocrats excluded from the first airdrop will not be excluded from this airdrop.

- Community Pool: 10% A strategic reserve of tokens will be collected into a pool which can be spent by network governance. The funds will be released for the use as per the governence proposals voted by the token holdrs.
- Platform Incentives: 25% Users will be rewarded for their activities on the platform. The e-governence modules (bounty, escrow, etc.) will be utilized to reward the users with the tokens as an incentive.
- Developer Vesting: 25% The developer share will be distributed over time to the Senatus team. In case if the developer team is inactive, the funds can be redirected to any other team which can get involved in the development of the platform.

III. Future Roadmap

Following the first launch of the Senatus Platform and $SPQR token, the platform will be extended to be able to interact with real life use-cases. No tokens are provided as pre-sale and/or an ICO. Mid-2022, a plan to migrate to a native Cosmos SDK based chain will be relased. Migration to Cosmos SDK is scheduled for Q3 2022. The token $SPQR will be utilized to secure the Senatus network. This will further reward the holders of the $SPQR token.

References

[1] Rondinelli, Dennis A., "Government decentralization in comparative perspective: theory and practice in developing countries," *International review of administrative sciences*, 47.2 (1981): 133-145.

[2] Giertz, J. Fred. "Centralization and Government Budget Size." Publius *[CSF Associates Inc., Oxford University Press], 1981,* , vol. 11, no. 1, pp. 119–28,

[3] Van Loos, Lex Heerma, "Petitions in social history." *Cambridge University Press, 2002.*

[4] Juno Network https://github.com/CosmosContracts/juno

[5] Cosmos Network Whitepaper https://v1.cosmos.network/resources/whitepaper

[6] Junoswap Dex https://junoswap.com/