

Issues, barriers

Roland Berger report

The infrastructure is build in bits and pieces

Hybrid projects face significant legal, regulatory and other barriers

Disproportionate allocation of costs and benefits across involved stakeholders.

Responsibility for project development is not clear enough

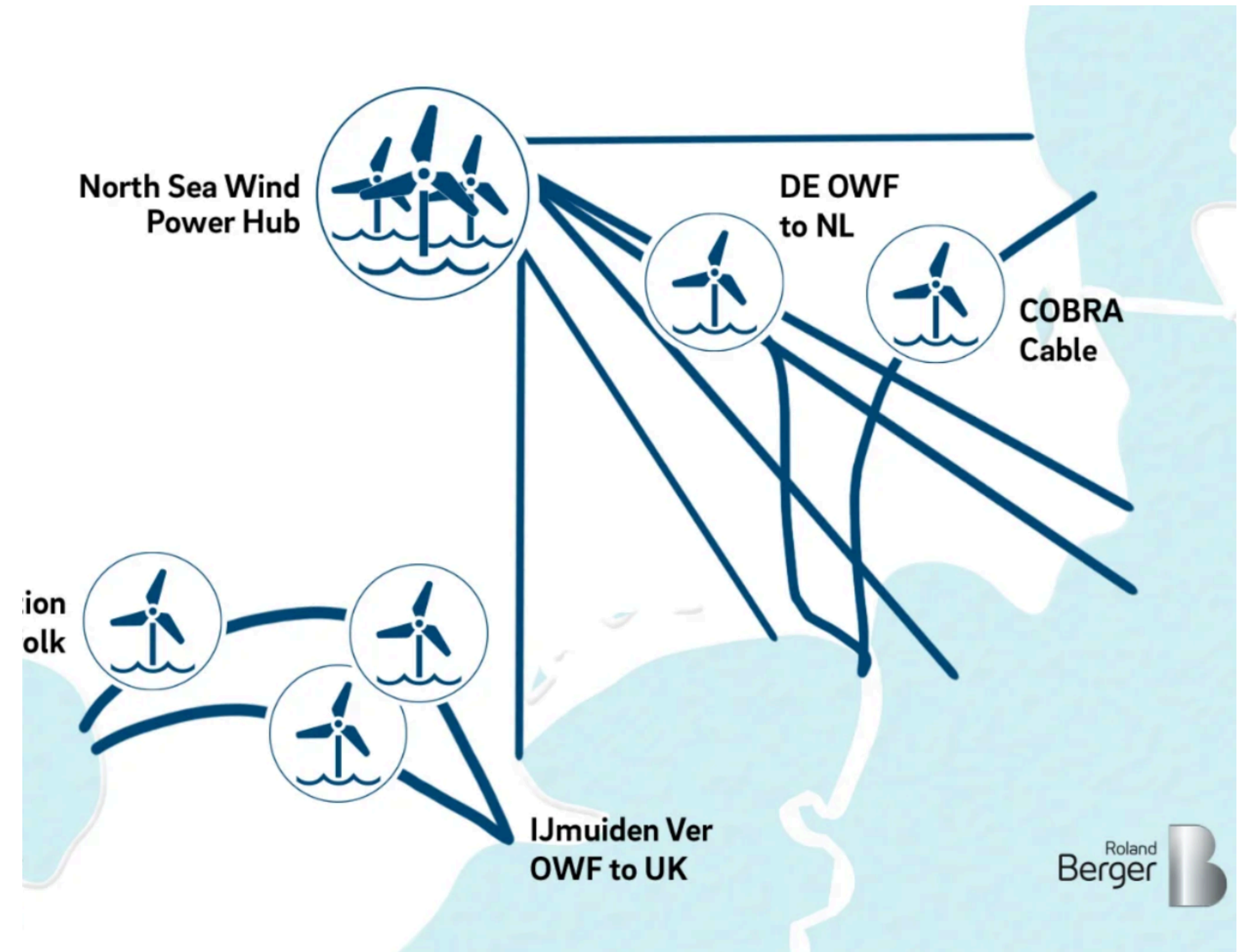
Aligning the planning of assets between countries is hard

How to come to an acceptable ROI? And how to ensure continuity?

The governance is an issue: Sub-optimisation in present multi hybrid set up

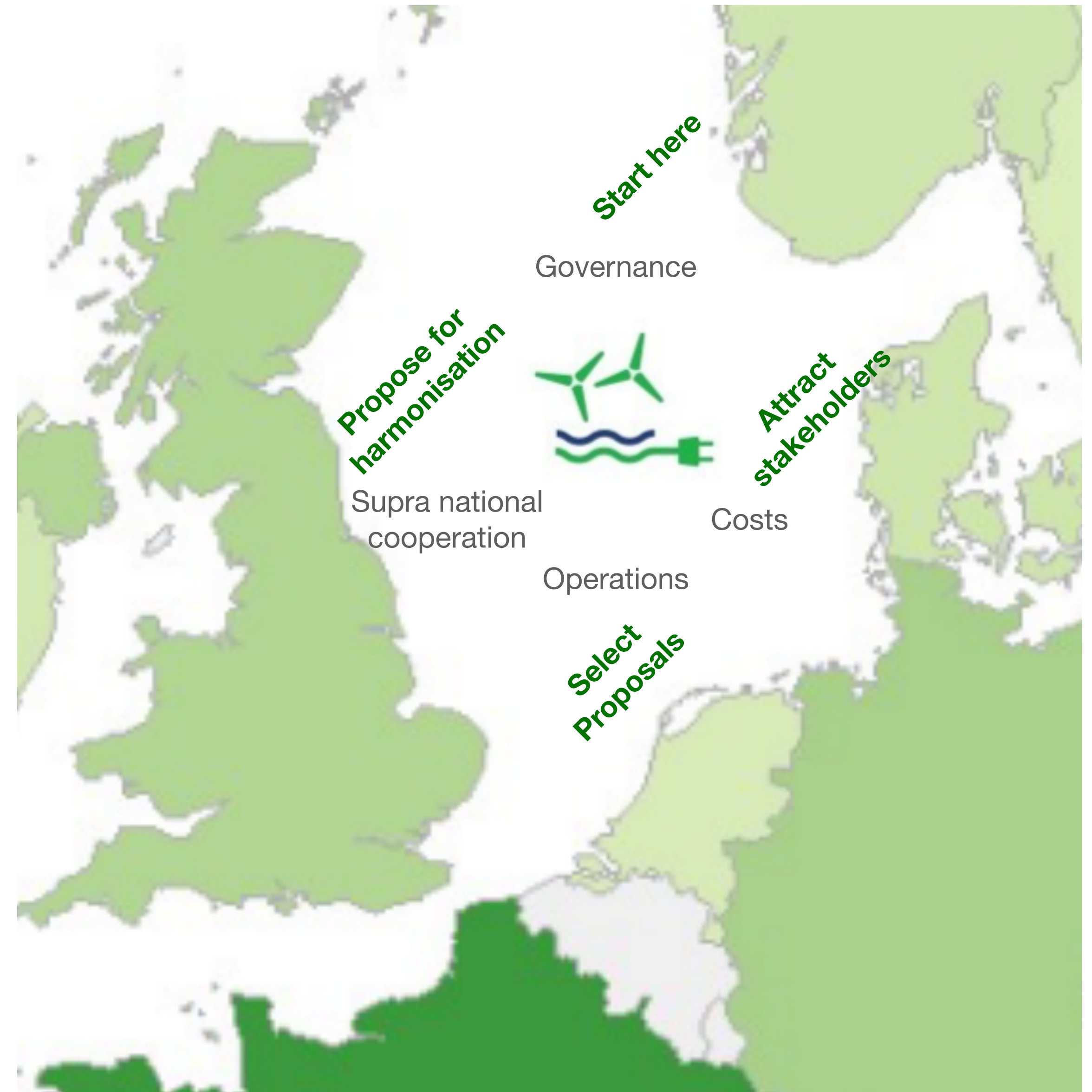
Roland Berger report: Hybrid projects combine generation and transmission elements, linking two or more countries and providing a platform for coordination between them.

Our slogan: POWERFUL and FULL OF POWER



REINvent governance & lower other barriers

- Governance
 - Initiate an EU-fund and govern the ‘Hub’ program having NSEC as main stakeholder next to other beneficiaries
- Supra national cooperation
 - Propose for harmonisation of NSEC market parameters, fade out jurisdictional differences
- Operations
 - Select and fund proposals meeting ‘infrastructure commons’ criteria, paving the way for private sector initiatives: de-risking
- Costs
 - Find ways to attract stakeholders besides the usual suspects to participate and co-fund



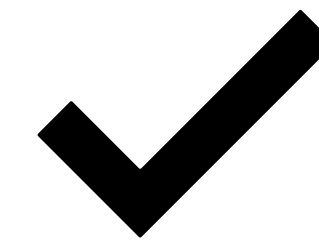
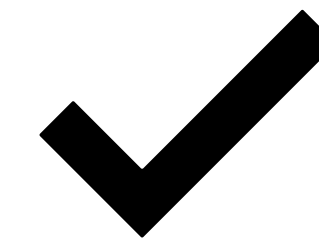
How do we get there?

Modeling crypto/web3 stakeholders in commonsstack.org

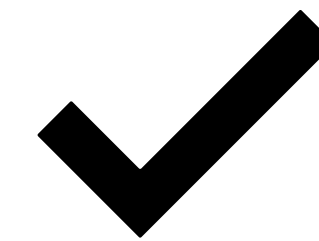
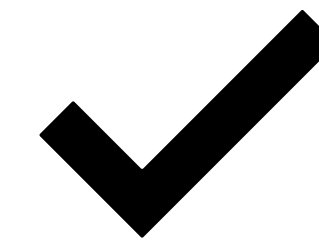
Similar properties



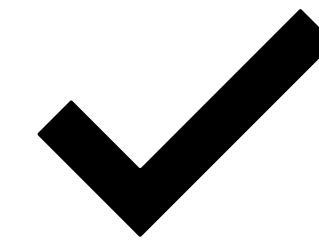
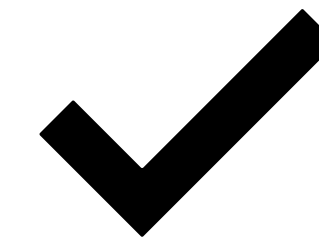
Governance: decentralised stakeholders



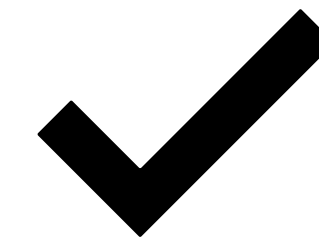
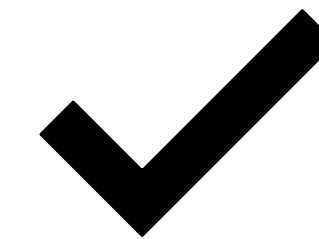
Supra national: public good -> 'commons'



Operations: selecting proposals, standards

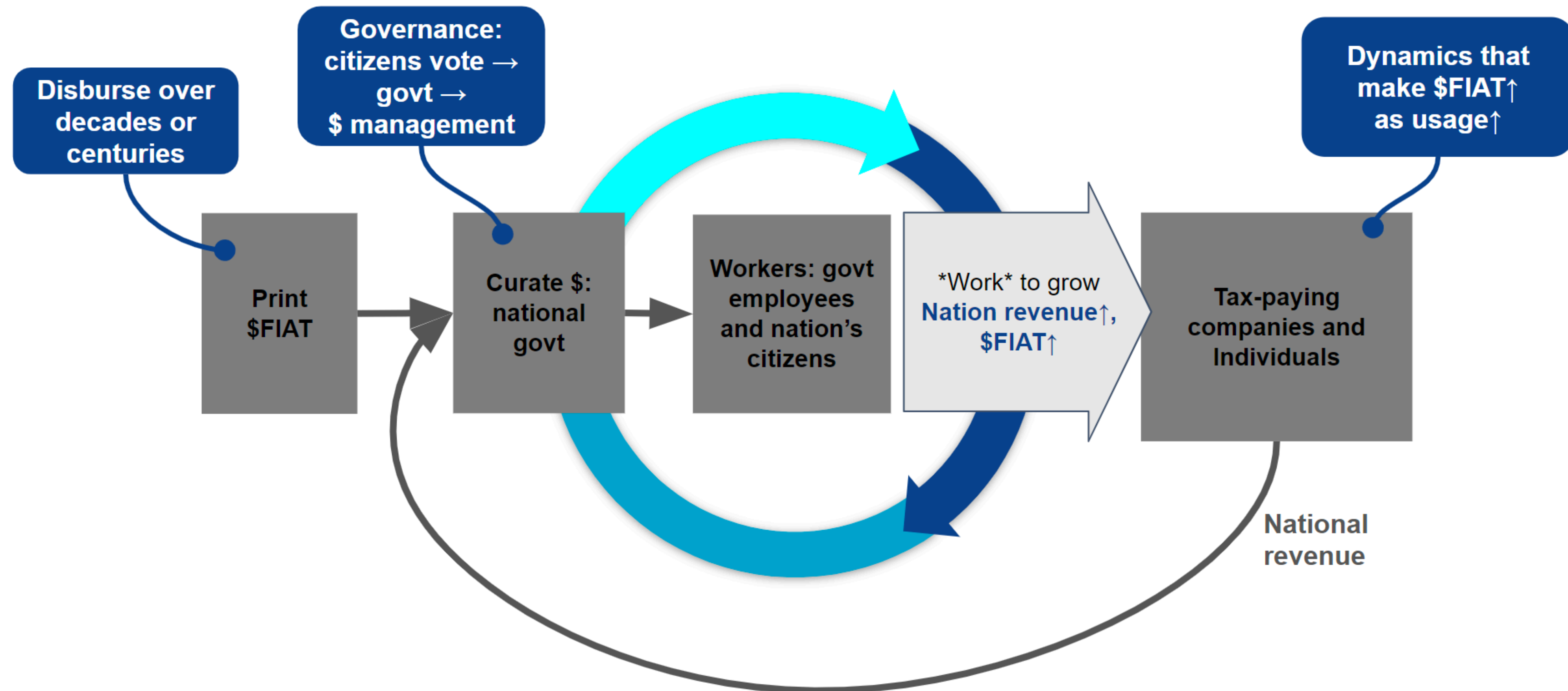


Costs: realigning incentives



Web3 Sustainability loop

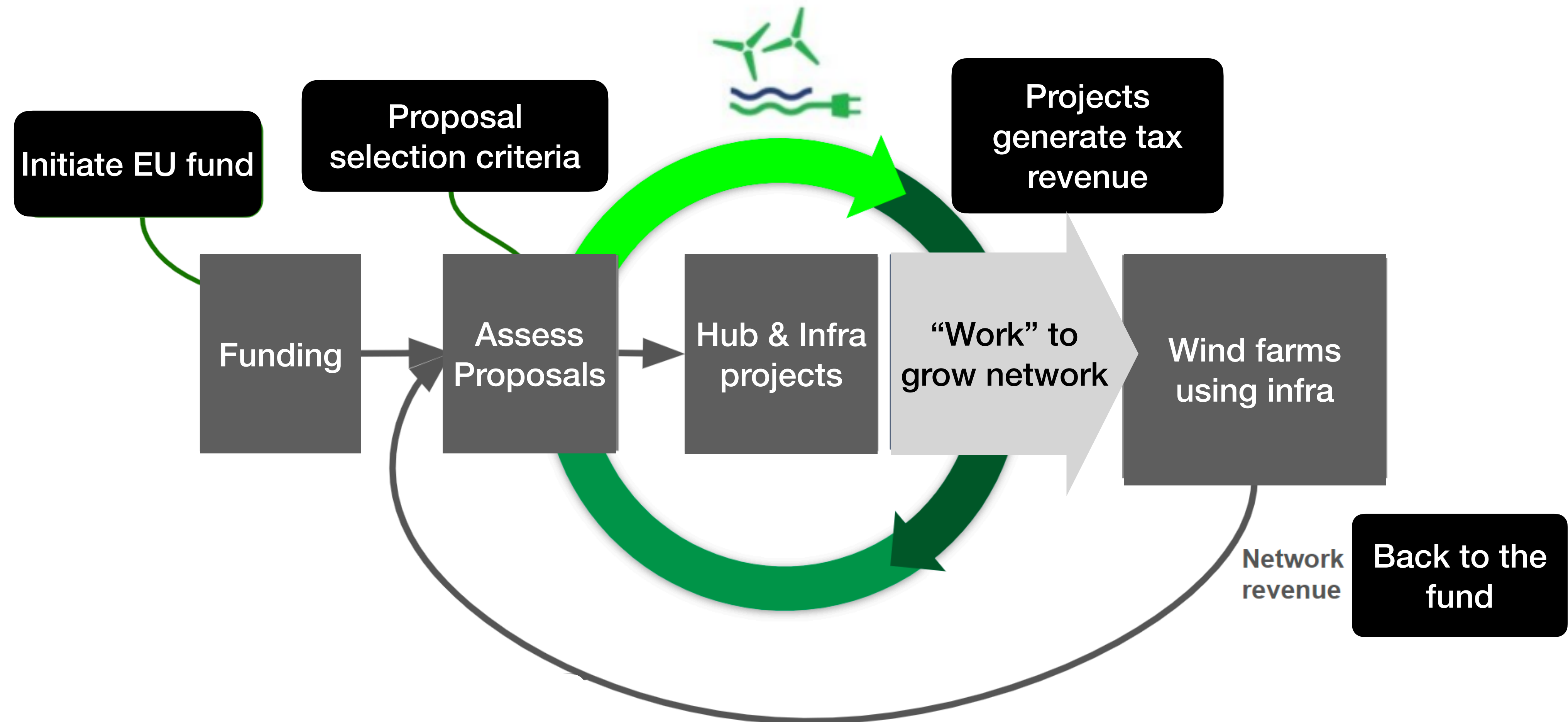
Government reference model to use as a template



Source: <https://blog.oceanprotocol.com/the-web3-sustainability-loop-b2a4097a36e>

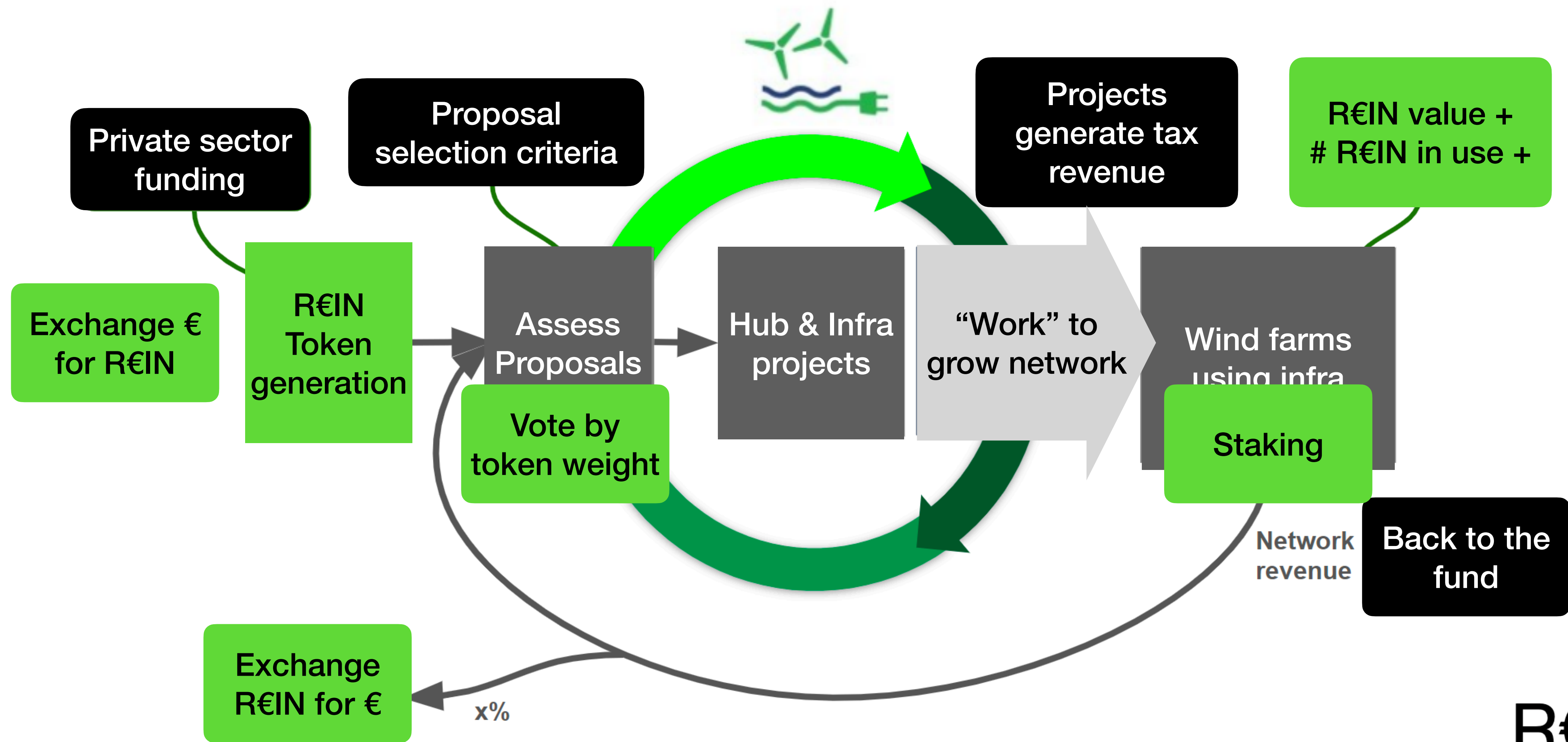
REIN model - Starter scenario

Initiate a revolving fund using Green Deal budget



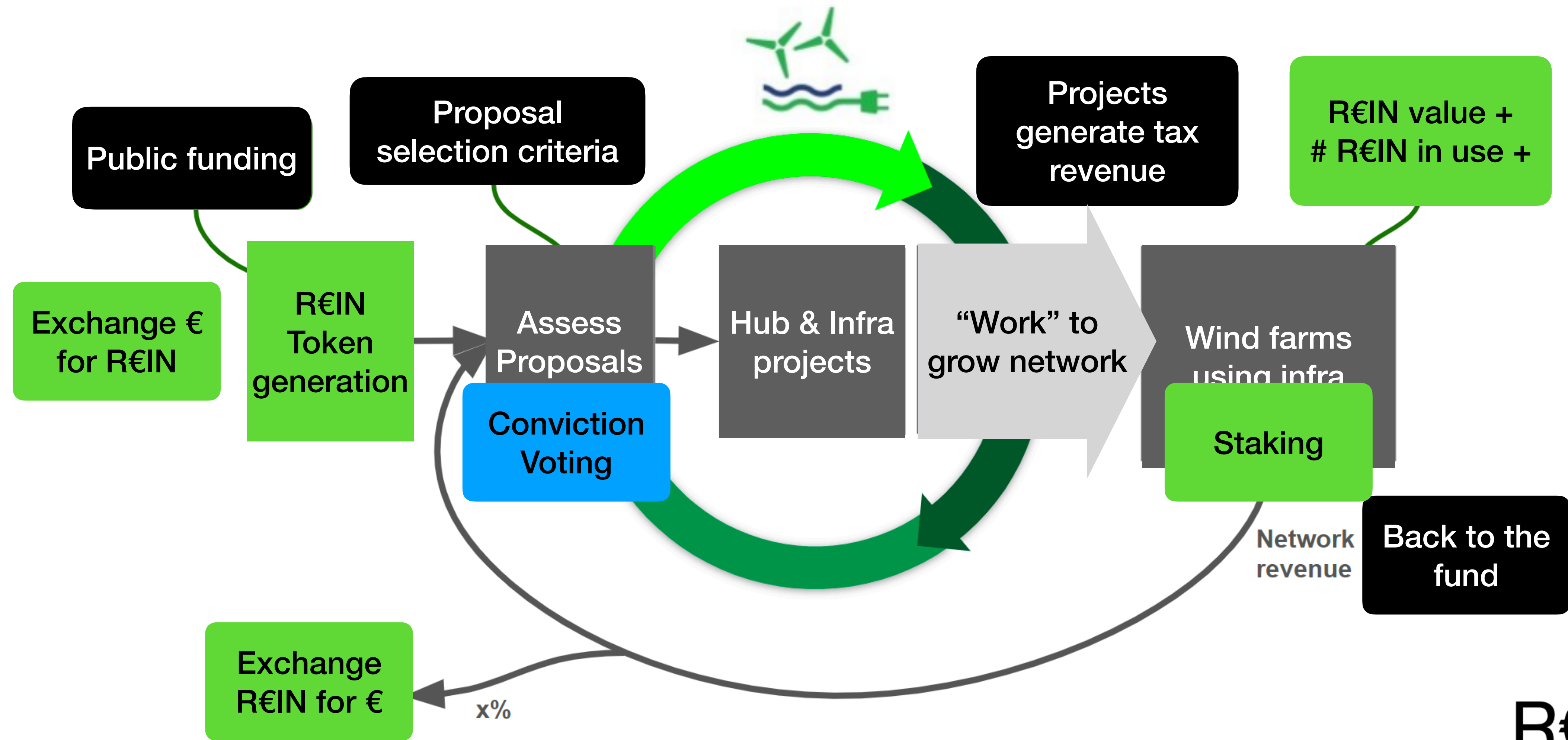
REIN model - Medium scenario

Starter + private sector stakeholders using R€IN Tokens



REIN model - Decentralised scenario

Medium + public stakeholders using Conviction Voting



Implementation scenarios

Towards maximising stakeholder participation



Scenario Aspect	Starter	Medium	Decentralised
Governance	EU Central (Green Deal) + NSEC	Starter scenario + private sector	Medium scenario + public stakeholders
Funding	EU Central + NSEC using €	Starter scenario + private sector using R€IN Token	Medium scenario + public funding
Proposal Selection	Assessment	Vote by Token weight	Medium scenario + <i>Conviction Voting</i>
Cost allocation	EU sink	Token holders	Token holders

Conviction Voting

Dampening effect on vote changes

Gradual accumulating support for proposals

Conviction = level of support over time

Conviction threshold is met = proposal passed

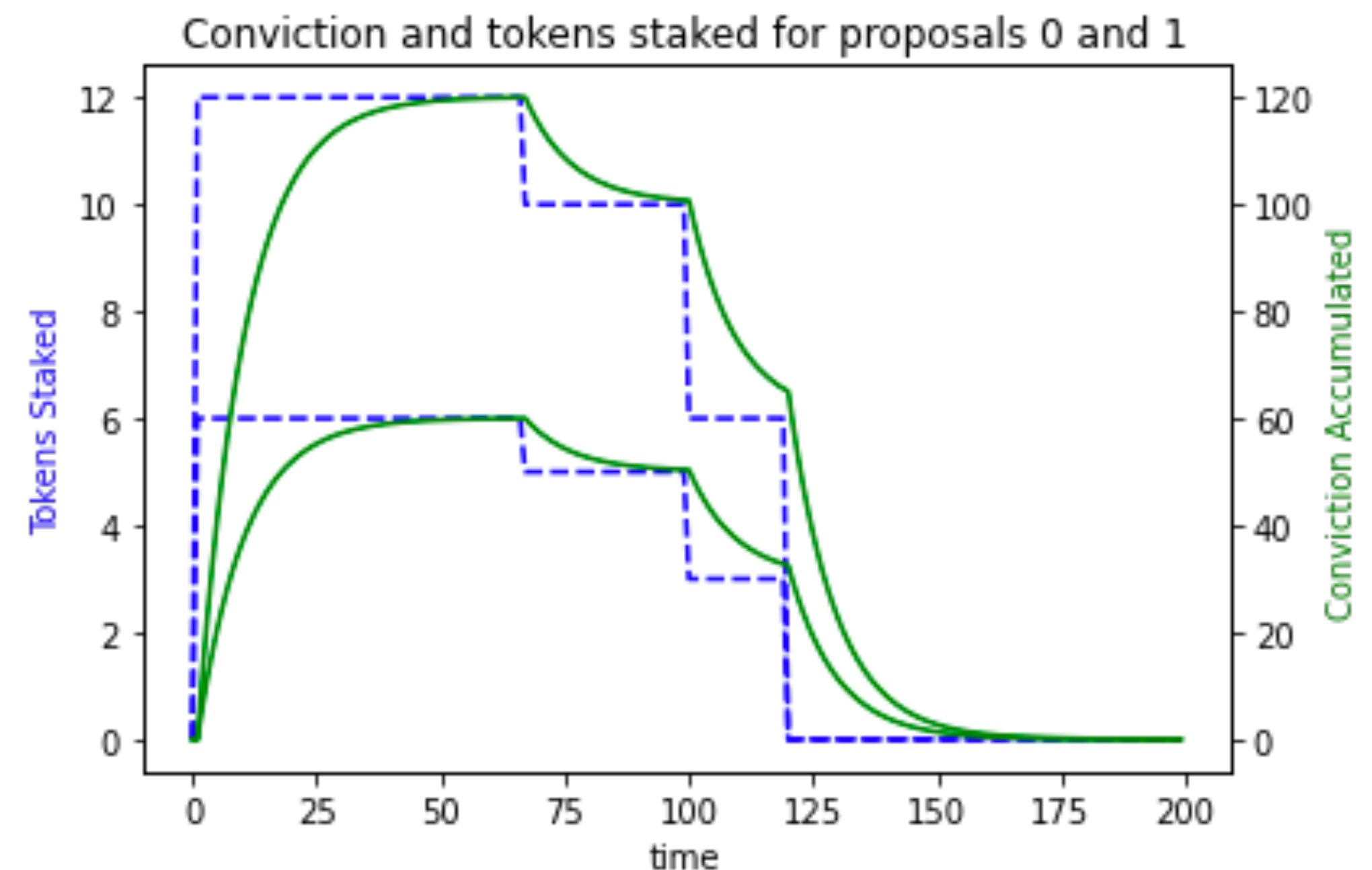
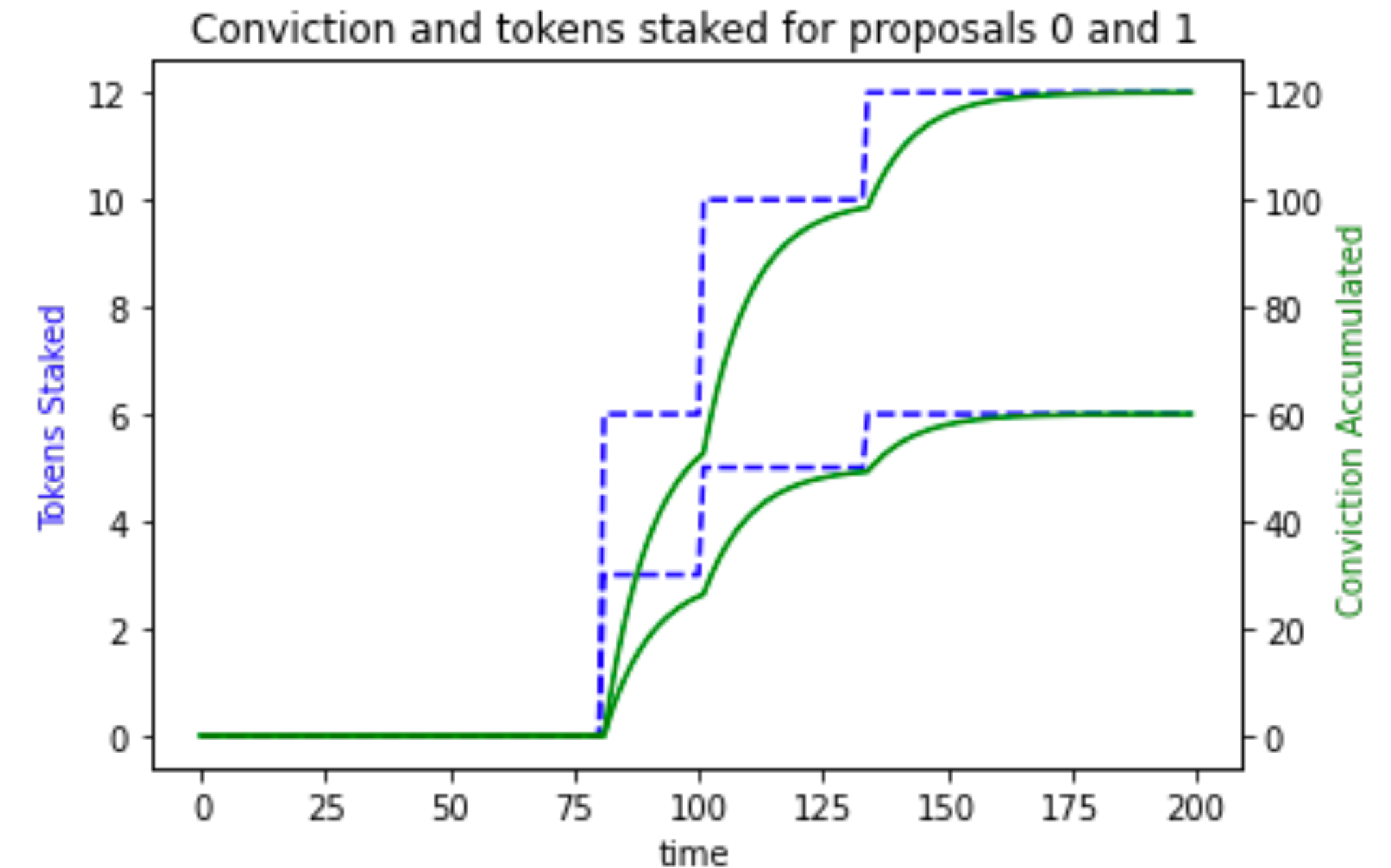
Prevent big last-minute vote swings

Prevent “whales” from influencing outcome

Tool for decentralised governance on assessment

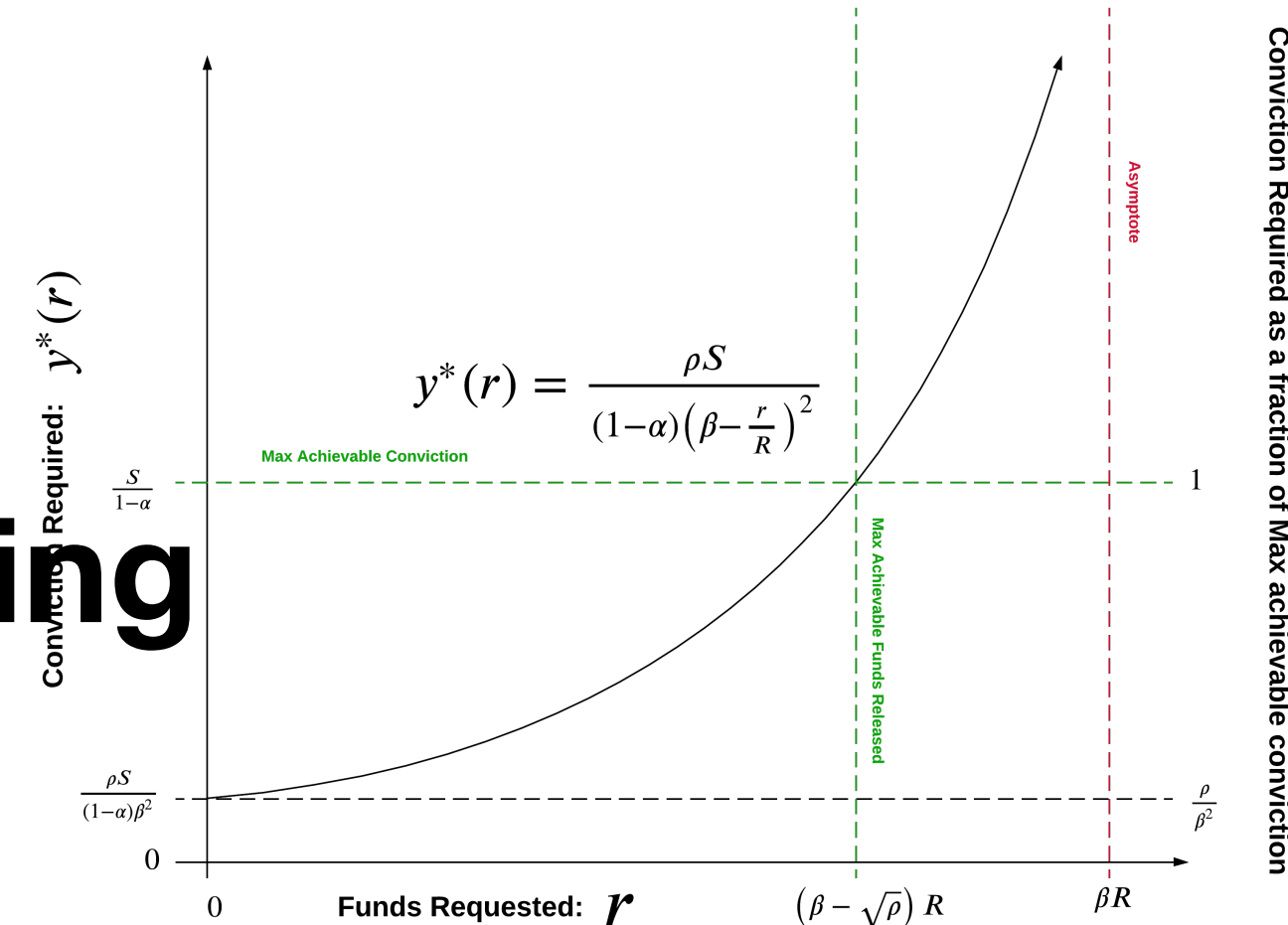
Goal

Organise multiple stakeholder preferences into decisions on proposal selection



Conviction Voting

Trigger function for proposal passing



R = Funding in €

$\Delta R > 0$

Provide Funds

Resources Available
 R_t

Allocate

$\Delta R = -r[j] < 0$

Trigger Function Logic

$\mathbf{1}(y_t[j] \geq y_t^*[j])$

$y_t^*[j] = \frac{\rho S_t}{(1-\alpha)\left(\beta - \frac{r[j]}{R_t}\right)^2}$

if: 1

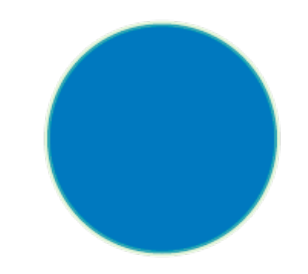
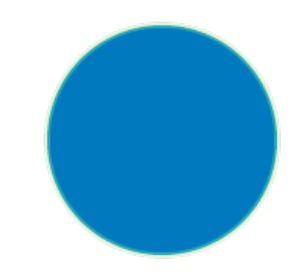
Token Supply
 S_t

ΔS

minting or burning Rule

S = # R€IN

Proposals



$y_t[j]$
 $r[j]$

r[j] = requested funding for proposal j

y*[j] = required conviction for proposal j

- $\alpha \in (0,1)$
is the parameter that determines the half life decay rate of conviction
- $\beta \in (0,1)$
is the max % of total funds that can be discharged by a single proposal, and is the asymptotic limit for the trigger function. It is impossible to discharge more than β share of funds.
- $\rho \in (0, \beta^2)$ is the scale factor for the trigger function

Dutch Labour Market

A reference model

Goal

Maximise citizen's labour participation

How?

Incentives to provide a step change

By reducing the financial risks we mitigate the 'prisoner's dilemma' (confidence, risks, where to start?)

Solving the mismatch issue

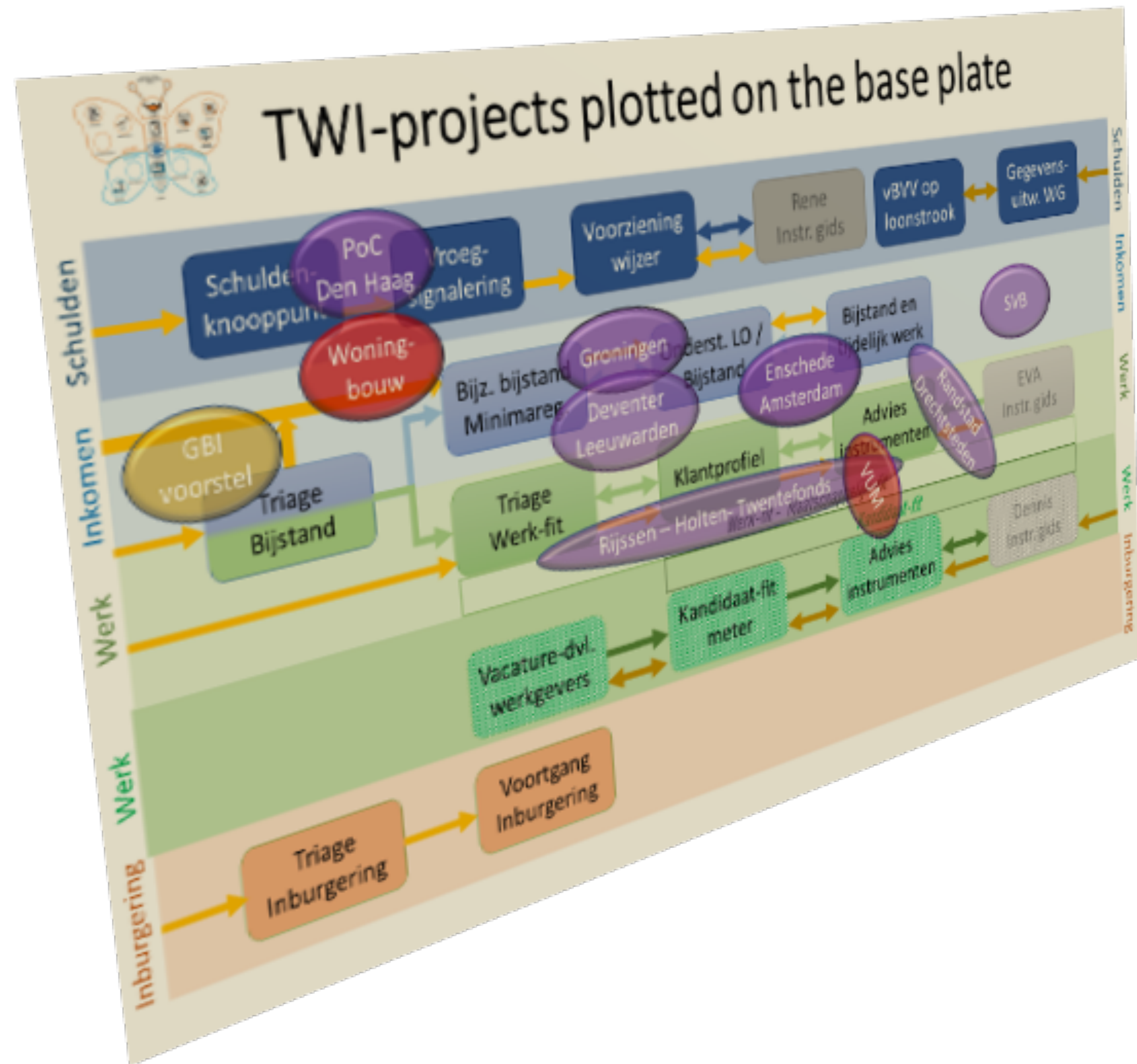
Cooperation of employers, citizens, private sector and (local) government

Roadmap to achieve a common ground/base plate

Infrastructure, Standards, Common (IT-)means

Assessment process

Select a balanced portfolio of projects supporting dependencies, meeting goal criteria



Municipality

REIN model at micro level

Investors

Dutch Government (Ministry of Social Affairs)

Local Government (Municipality)

Employers

Private sponsors (local tycoons)

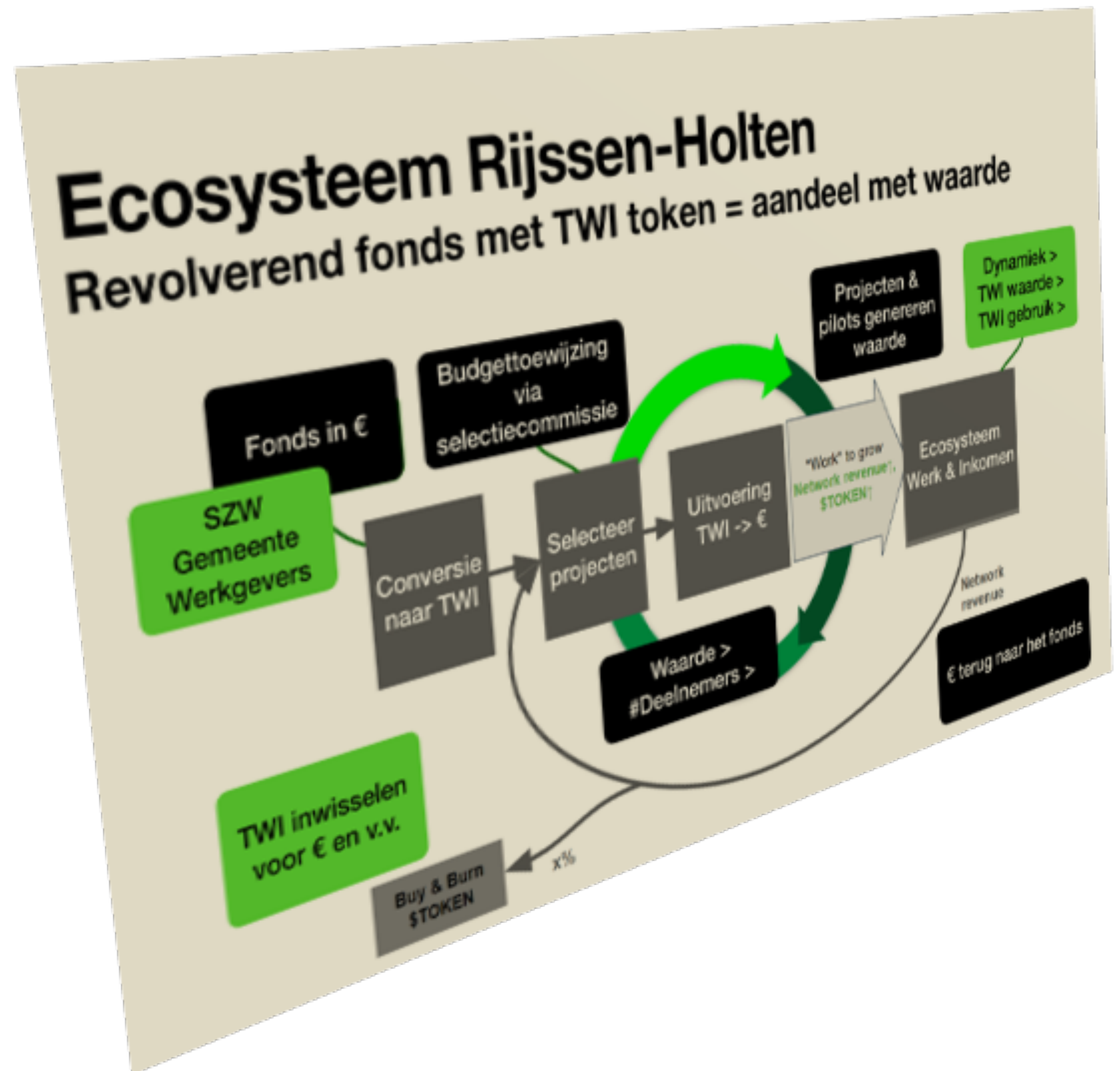
Proposals

Employment support

Education

Guidance and coaching

Sheltered Employment



Correspondence & further inquiries

ovrhd BV

Marc J. Minnee MSc

Bredewater 16 - 2.11

2715CA Zoetermeer - NL

marc@ovrhd.nl

+31 6 24 111 928

