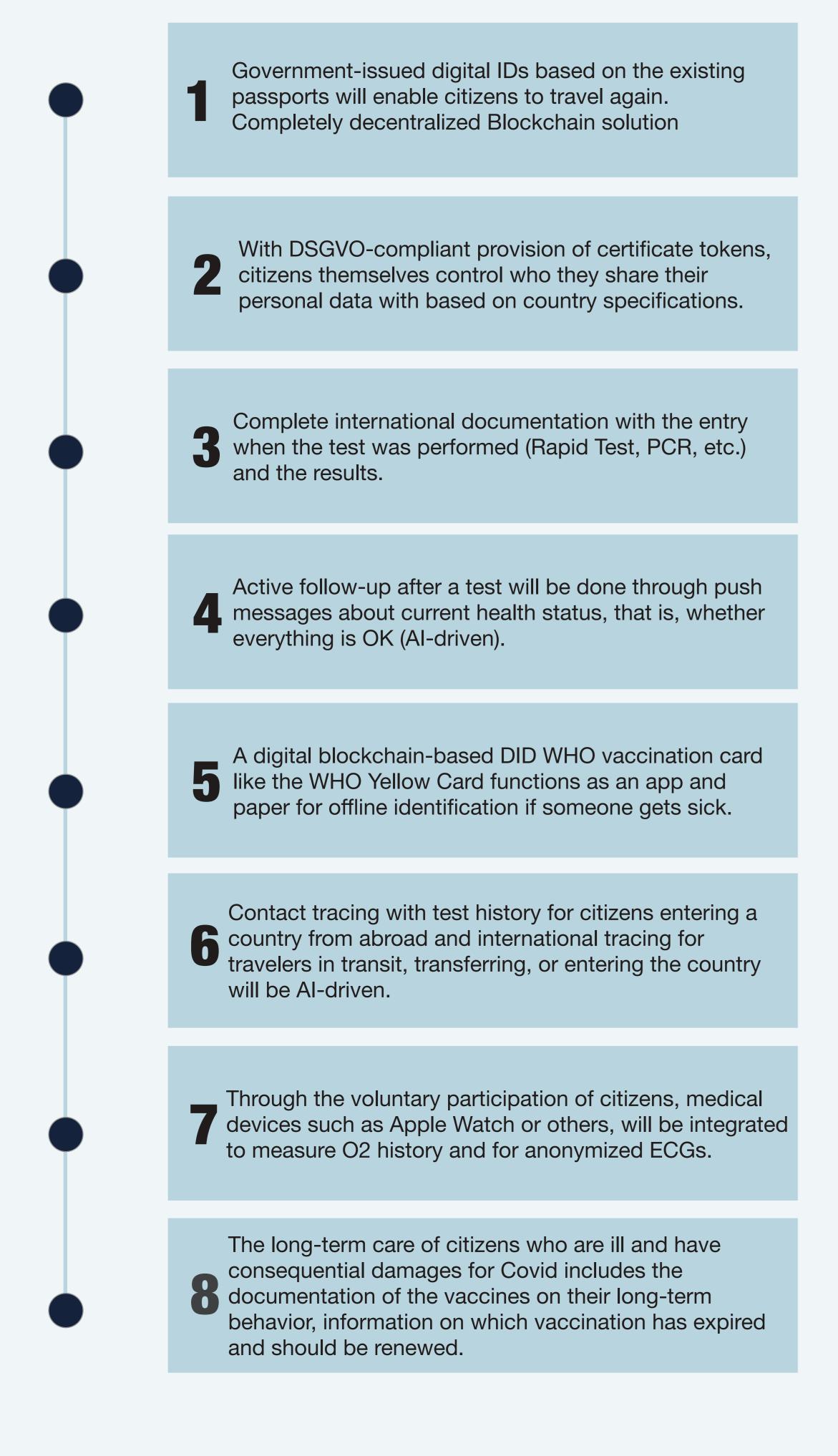
Background of the Smart Citizen Centric DID Global Health Cluster

The aim is to offer citizens inside and outside of Switzerland a solution that is now available, and that will make any citizen's life easier.

The goal of the Smart Citizen de Centric DID Global Health Cluster is to protect citizens' rights with the key data needed for the government's AI-driven innovation to protect their citizens.

Unlike a government solution that is not flexible and takes too long to roll out, it is an industrial solution for system-relevant players worldwide, where the citizen himself is the focus.





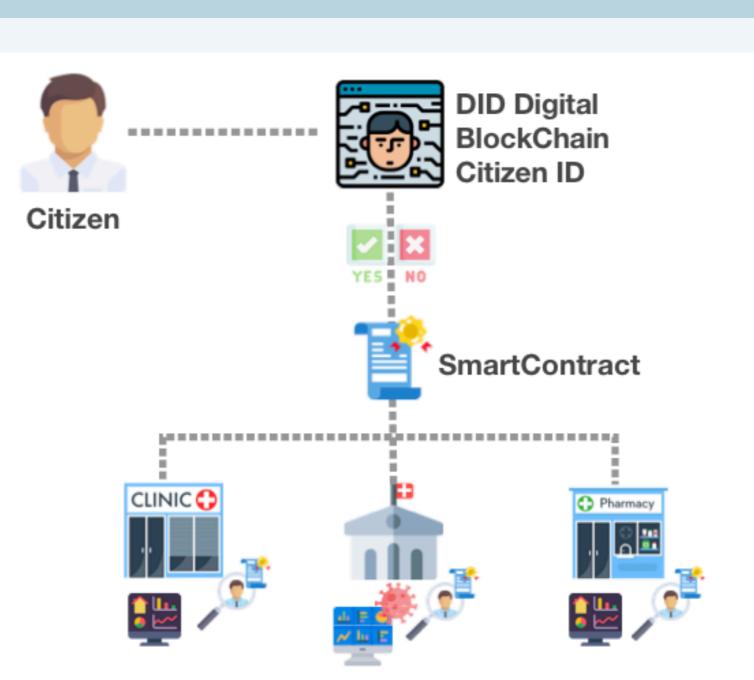




Smart Decentralized Citizen Privacy Centric Global Health Cluster

Dani Wattenhofer, Martin Knuchel, Lars Asmis, Hugo Sax, Pastore Roberta, Axel Ernst, Roman Schleiss

Cyberfish AG Schwyz, Switzerland; Swiss – Edelweiss – Lufthansa – Helvetic, Zurich – Basel, Switzerland; University Hospital Zurich; World Health Organization Copenhagen, Denmark; University Hospital Basel Switzerland; Axel Ernst, Canton of Obwalden Region Engelberg Switzerland; Luzern tourismus Luzern Switzerland; region partner from cantons Schwyz, Uri, Zug, Nidwalden, Obwalden, Luzern Switzerland



The digital ecosystem with the DID called Starliner is already in place and provides the relevant government agencies via API/SDK access to the relevant information they request from citizens.

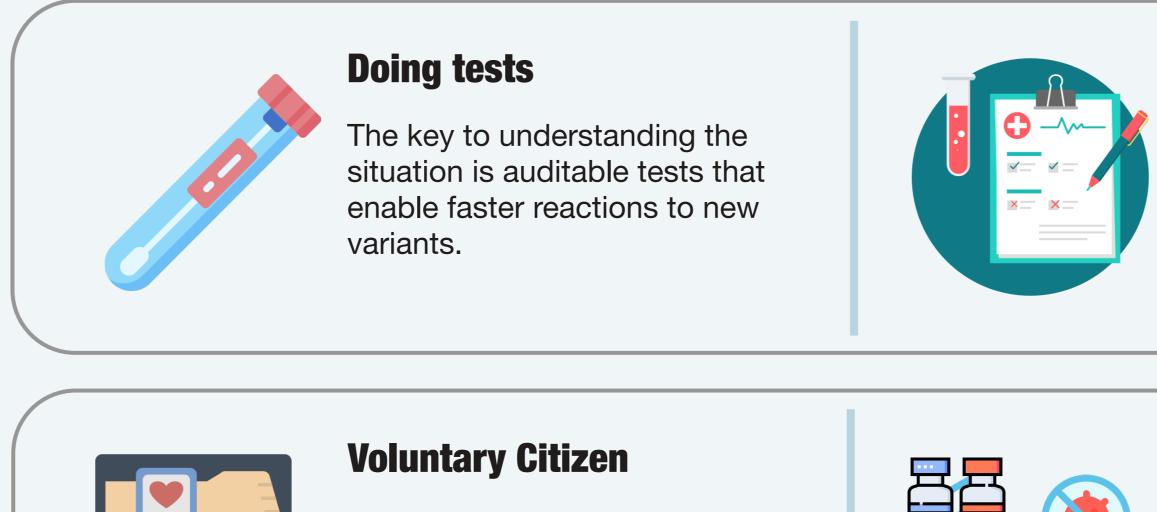
The DID is decentralized and is forgery-proof against criminal organizations, the same standard that banks use in payment transactions. At each checkpoint, a new token is generated once; the citizen automatically receives a new token electronically, which is signed and can only be used once together with his personal DID at the next offline or online checkpoint.

The same process is used in customs inspection/airlines to verify that a citizen meets travel or entry requirements. Through this method, citizens get the freedom of movement back to their normal life of eating in restaurants, attending events, or having close social contacts. The test results are automatically communicated to the citizen electronically (+/=/-).

In case of a positive test, which requires medium AI support, the relevant health center in the country will be informed. At the same time, the organizer, restaurant, recreational facility, event, airline, and/or transport service which the citizen has used will be informed.

During the test, the person is registered by their citizen DID. The results are then communicated and stored in the DID citizen file with the date, time, place, and type of test. In case of a positive result, the competent health authority or medical service (cantonal doctor, medical service) and the persons who might have been too close to this person during that period will be automatically informed via artificial intelligence (AI).

Which citizen has received which vaccination, with the batch number and manufacturer, together with the date, time, place, will be documented. This can also be used for other vaccinations that expire after a certain time and need renewal. At the same time, there will be long-term tracking after the vaccination is started in the form of a voluntary model by the citizen to detect possible side effects or diseases at an early stage and to train an AI model that helps to make predictions.





Citizens voluntarily share medical data on an anonymous basis in order to more quickly identify trends in symptoms and create preparations.





Long-term Issue

Long-term health problems are monitored based on the Donation model by citizens sharing data with the AI, and trends are visualized as forecasts so that protection mechanisms can be explored.









Background of the digital de centric DID Global Health Cluster

Test publication

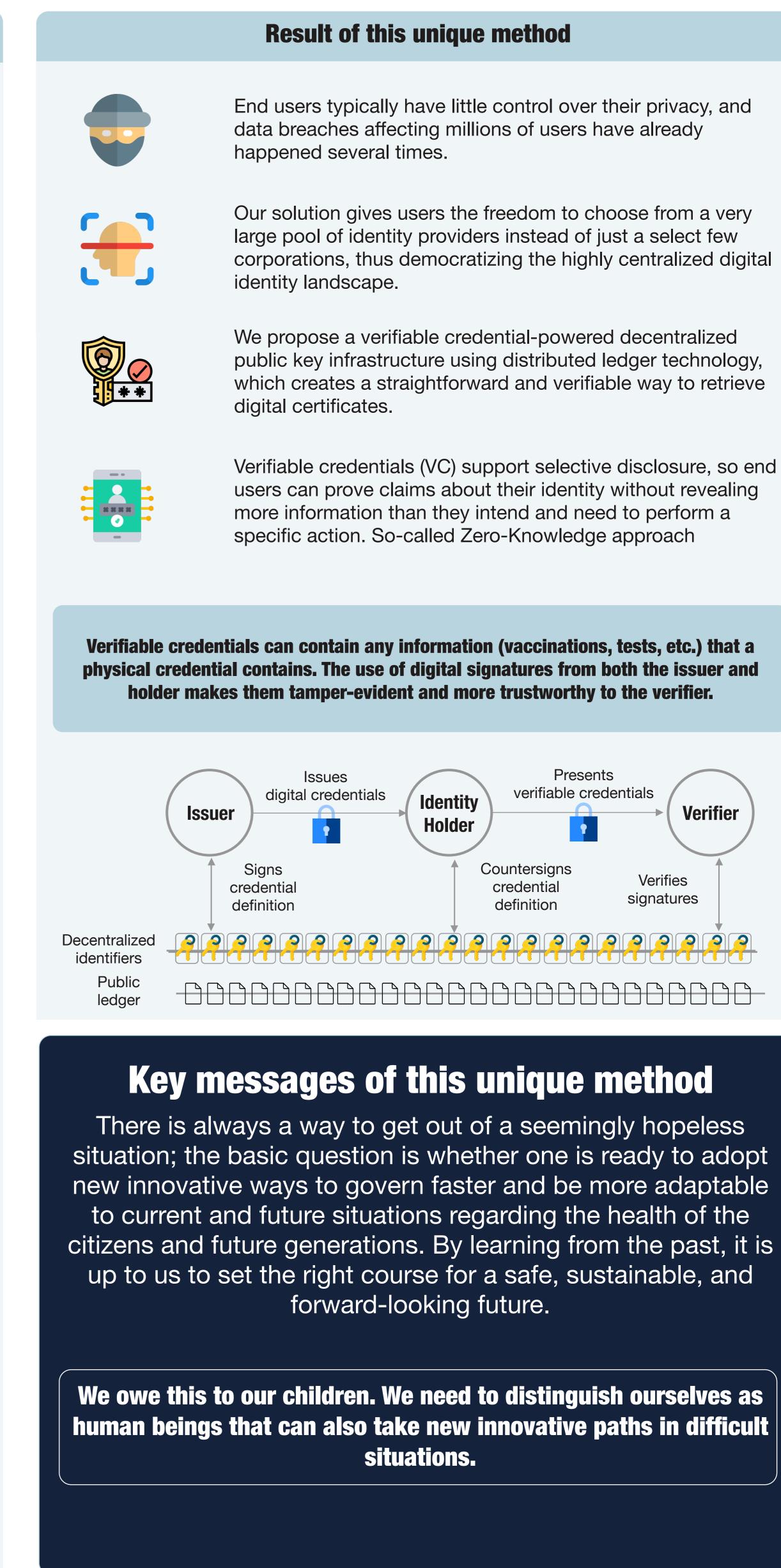
Test results must be made available in real-time to the necessary institutions in an auditable manner to adjust measures.

Vaccine Documentation

Documentation of vaccines A dose B dose with batches time location. With an audited record regarding vaccinated, persons, side effects, and herd immunity based on antibody tests

WHO DID VAC Card

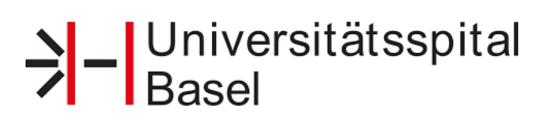
The DID Vaccination Certificate Supplement allows all countries to obtain a tamper-proof certificate to enable citizens to travel again.









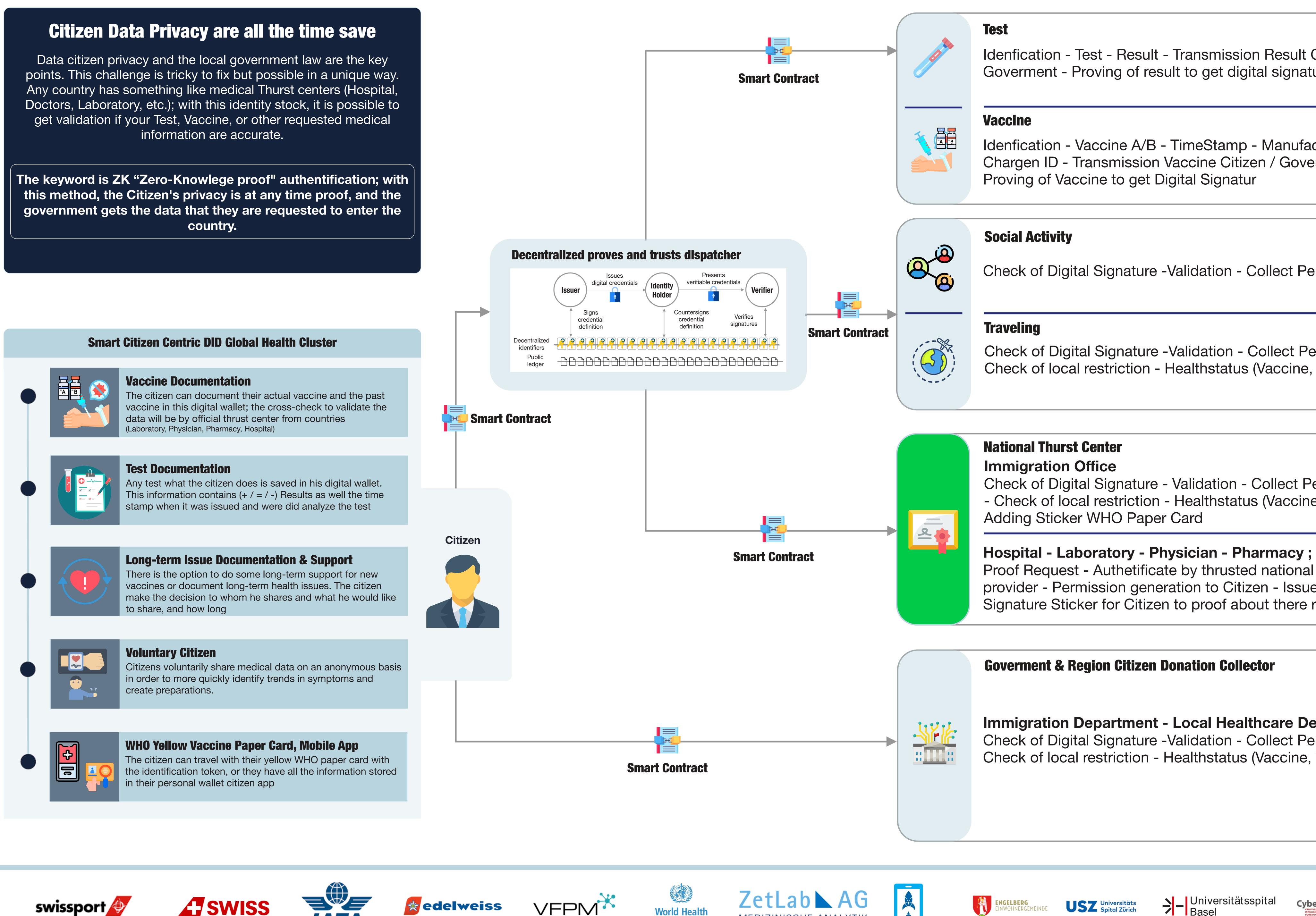






Smart Decentralized Citizen Privacy Centric Global Health Cluster

information are accurate.









Technical birdview scope



World Health Organization



Idenfication - Test - Result - Transmission Result Citizen / Goverment - Proving of result to get digital signatur

Idenfication - Vaccine A/B - TimeStamp - Manufactor -Chargen ID - Transmission Vaccine Citizen / Goverment -

Check of Digital Signature -Validation - Collect Permissions

Check of Digital Signature -Validation - Collect Permissions -Check of local restriction - Healthstatus (Vaccine, Test)

Check of Digital Signature - Validation - Collect Permissions - Check of local restriction - Healthstatus (Vaccine, Test) -

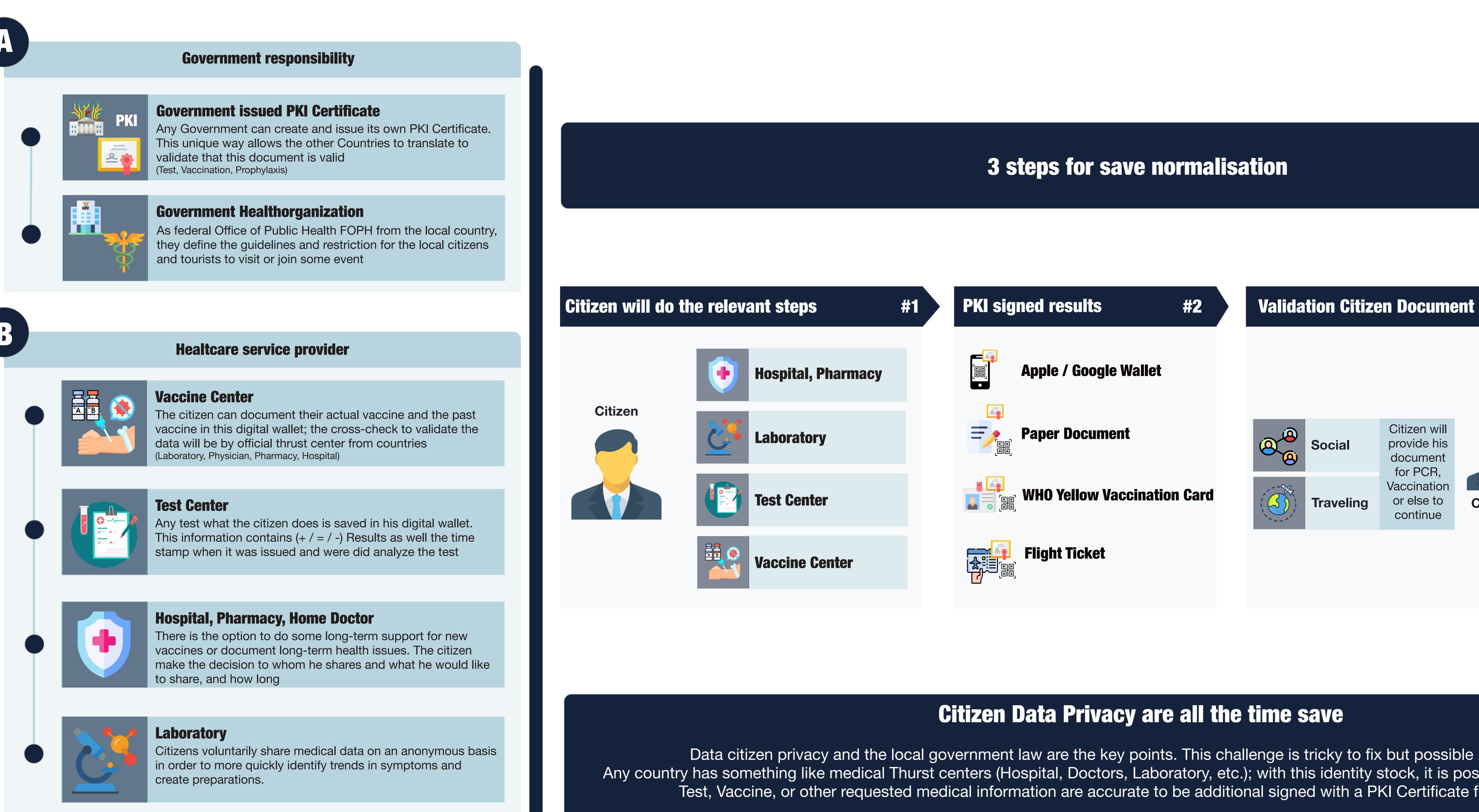
Proof Request - Authetificate by thrusted national Identiy provider - Permission generation to Citizen - Issue Digital Signature Sticker for Citizen to proof about there request

Immigration Department - Local Healthcare Department Check of Digital Signature -Validation - Collect Permissions -Check of local restriction - Healthstatus (Vaccine, Test)





Smart Decentralized Citizen Privacy Centric Global Health Cluster Workflow birdview scope



World Health Organization - Guidelines - Advice



WHO Yellow Vaccine Paper Card, Mobile App The citizen can travel with their yellow WHO paper card with the identification token, or they have all the information stored in their personal wallet citizen app



Data citizen privacy and the local government law are the key points. This challenge is tricky to fix but possible in a unique way. Any country has something like medical Thurst centers (Hospital, Doctors, Laboratory, etc.); with this identity stock, it is possible to get validation if your Test, Vaccine, or other requested medical information are accurate to be additional signed with a PKI Certificate from Government.

The keyword is ZK "Zero-Knowlege proof" authentification; with this method, the Citizen's privacy is at any time proof, and the government gets the data that they are requested to enter the country.



#3 Citizen will provide his document valid for PCR, Vaccinatio Guard or else to Citizen continue



Smart Decentralized Citizen Privacy Centric Global Health Cluster

Strategic partners



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Under the guidelines



Early envolvement and inspiration without compensation



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