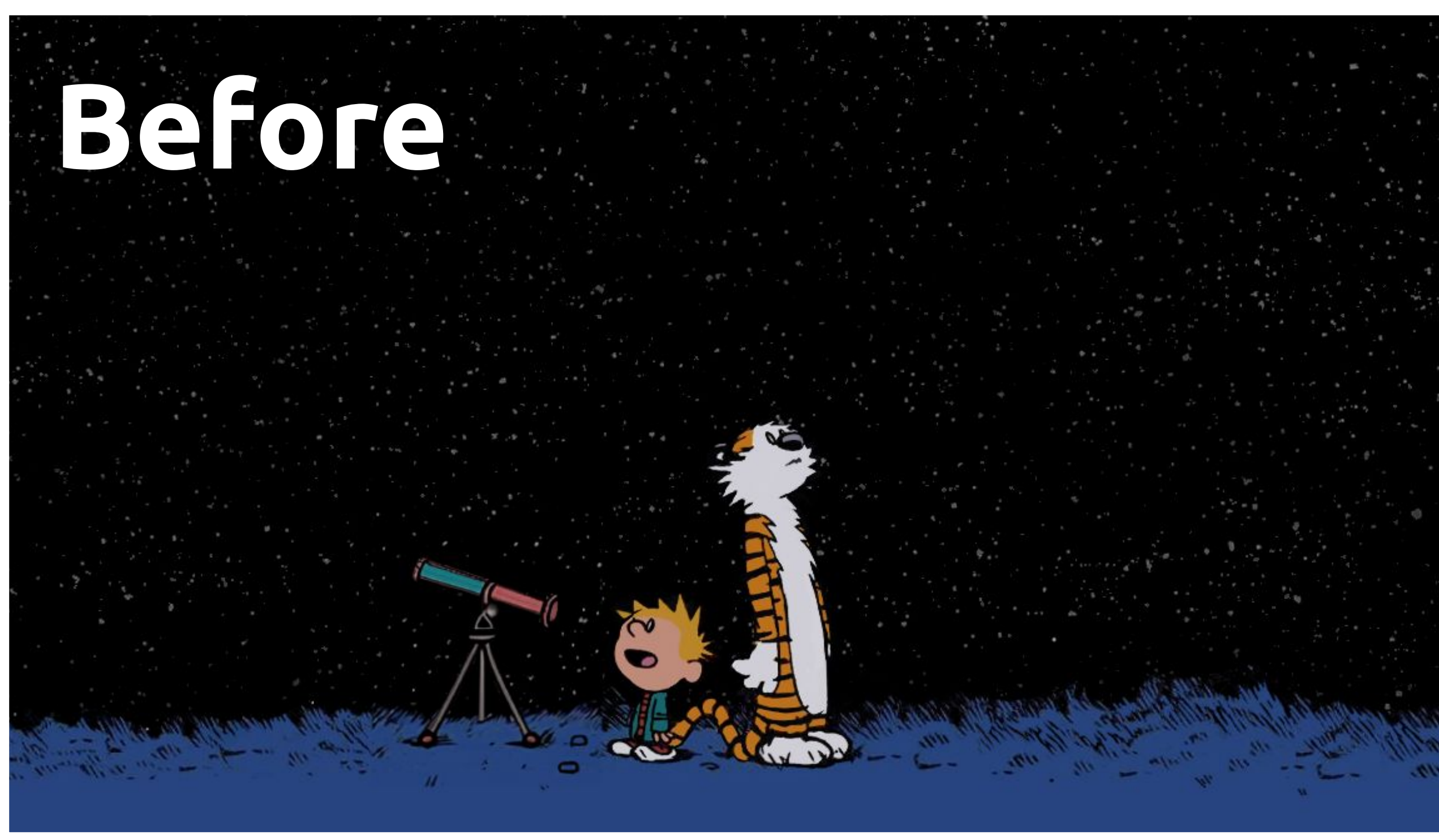# Citizen Knowledge Graph

Do you know all the **state benefits and subsidies** you and your family are eligible for?

Do you know someone who **found out too late** that they were eligible for something?

What if relevant information **finds you**, instead of having to know it **exists** and having to **search** for it?

Before

Source: www.reddit.com/r/calvinandhobbes/comments/5llvc6 (with discussion about original source), telescope via generative fill in Photoshop

After

Created using DALL-E 3 in ChatGPT and generative fill in Photoshop on 2023-12-31

Why

The internet is a vast information sphere. Despite all tech progress, it can still be hard to find relevant information and it's even harder if you don't know what you could be looking for. Numerous people and families are missing out on benefits they are eligible for.

What

We propose a mechanism that matches you with relevant information automatically, based on your data profile. Alongside citizens, also other entities like organizations or municipalities can create profiles.

How

Our app lets users build a personal data profile as RDF file in a Solid Pod using standardized data fields, e.g. FIM for Germany.

In a public repository we curate a growing inventory of requirement profiles as SHACL shapes, each describing the data pattern for whom some information is relevant, e.g. the conditions for receiving housing benefit.

The app downloads these requirement profiles, runs them against the user profile and creates a local report showing matches, mismatches, and missing data fields.

As a provider of requirement profiles we can offer unprecedented detailed access to people's personal data. However, you don't actually get to see that. But users matching with your requirement profile get your message.

In the context of ...	This could mean ...
State benefits, municipal subsidies	Citizens get proactively notified about eligibilities
Energy efficiency retrofitting	House owners get relevant info about subsidies matching their location
Lifestyle recommendations	NGOs make concrete sustainability-focused suggestions based on peoples specific habits
Social research	Asking highly specific target groups for research participation
Caregiving families	Discover programs that support caregiving families who look after relatives with disabilities, chronic illnesses, or age-related needs
Cultural offerings	Getting notified about nearby events matching ones interests
Peer-to-peer support	People can submit a requirement profile of how they solved a very niche health or legal situation to help the few others in similar circumstances
Municipalities	Help scout the national and EU-wide funding options for projects
Youth Employment Programs	Youth workers to submit the problem pattern and what helped in complicated individual cases in order to help others with similar cases
Career options	Get notified about matching jobs or build a further education path that qualifies you for a desired position
...	...

Benjamin Degenhart

b.degenhart.work@gmail.com, linkedin.com/in/bdegenhart, citizen-knowledge-graph.github.io/ckg-site/en