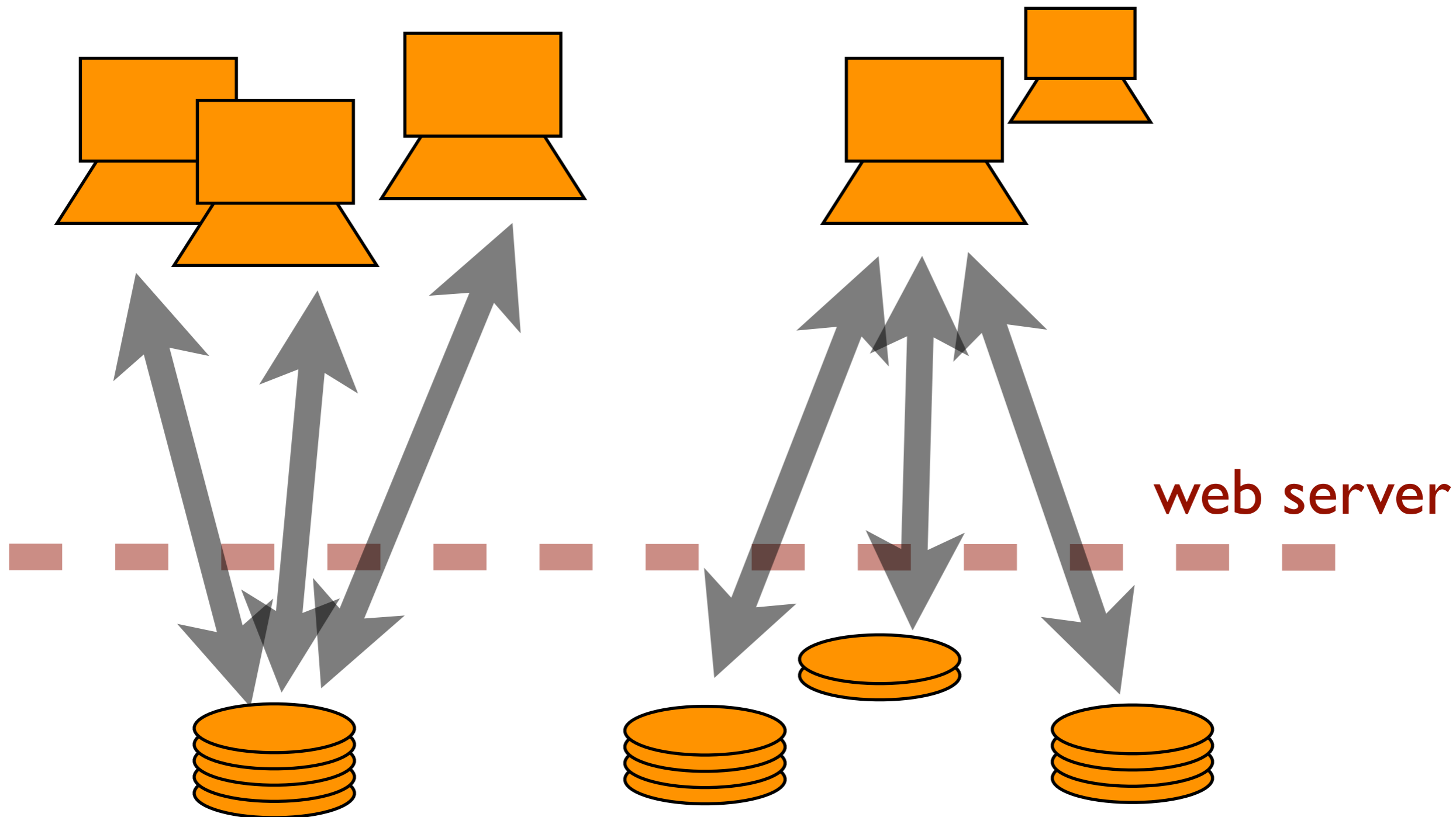


Design Principles of Federated Wiki

Ward Cunningham



traditional wiki

federated wiki



origin

twins

title

site

story

items

journal

actions

search

neighbors

The screenshot shows a web browser window with the address bar displaying `song.fed.wiki.org/view/welcome-visitors/new/song-of-code-and-content/view/ward-cunningham/ward.fed.wiki.org/newrelic`. The browser has a tab labeled "NewRelic".

The page content is organized into three columns:

- Left Column:**
 - Song of Code and Content**
 - Agile programming and Wiki hypertext emerged together out of a single vision of completing each other's work. Twenty years later we see opportunity to direct this collaboration toward more difficult problems. This is not your father's wiki.
 - We reexamine fundamental questions about what it means to write and to program. Then we show how Federated Wiki uses both to make a better world.
 - A free #FutureTalk hosted by New Relic. [eventbrite](#)
 - Presentation by [Ward Cunningham](#).
 - See this talk develop in [Recent Changes](#).
 - Vision**
 - Code creates the landscape upon which content will emerge. We've adjusted the slope offered by wiki such that a [Chorus of Voices](#) can respectfully disagree until a superior harmony is found.
 - Code itself responds to the staggering diversity of machines all applying a universal mechanism in ever more ingenious ways.
- Middle Column:**
 - Ward Cunningham**
 - [Ward Cunningham](#)
 - I wrote [Federated Wiki](#) while I served as Nike's open-data fellow. I currently work for [NewRelic](#) in Portland, Oregon.
 - I am collecting my intention and experience for a talk called [Song of Code and Content](#).
 - I started by collecting notes about the speaking opportunity for [Future Talk](#) on a private wiki.
 - I created [song.fed.wiki.org](#) once I had an acceptable title and abstract for the talk.
 - I forked in content from my writing on other sites that seemed to have bearing on my abstract.
 - In the peace and quiet of a Saturday morning I wrote paragraphs that explained the connections.
 - I now had 3 original pages, 12 more forked in, and a neighborhood of 442 pages providing context.
- Right Column:**
 - NewRelic**
 - NewRelic provides application server monitoring delivered through software as a service. [wikipedia](#)
 - Most engineering takes place in the Portland office. tour the office online using Google's street view technology [map](#)

At the bottom of the page, there is a search bar with the text "Logout Search:" and "269 pages".

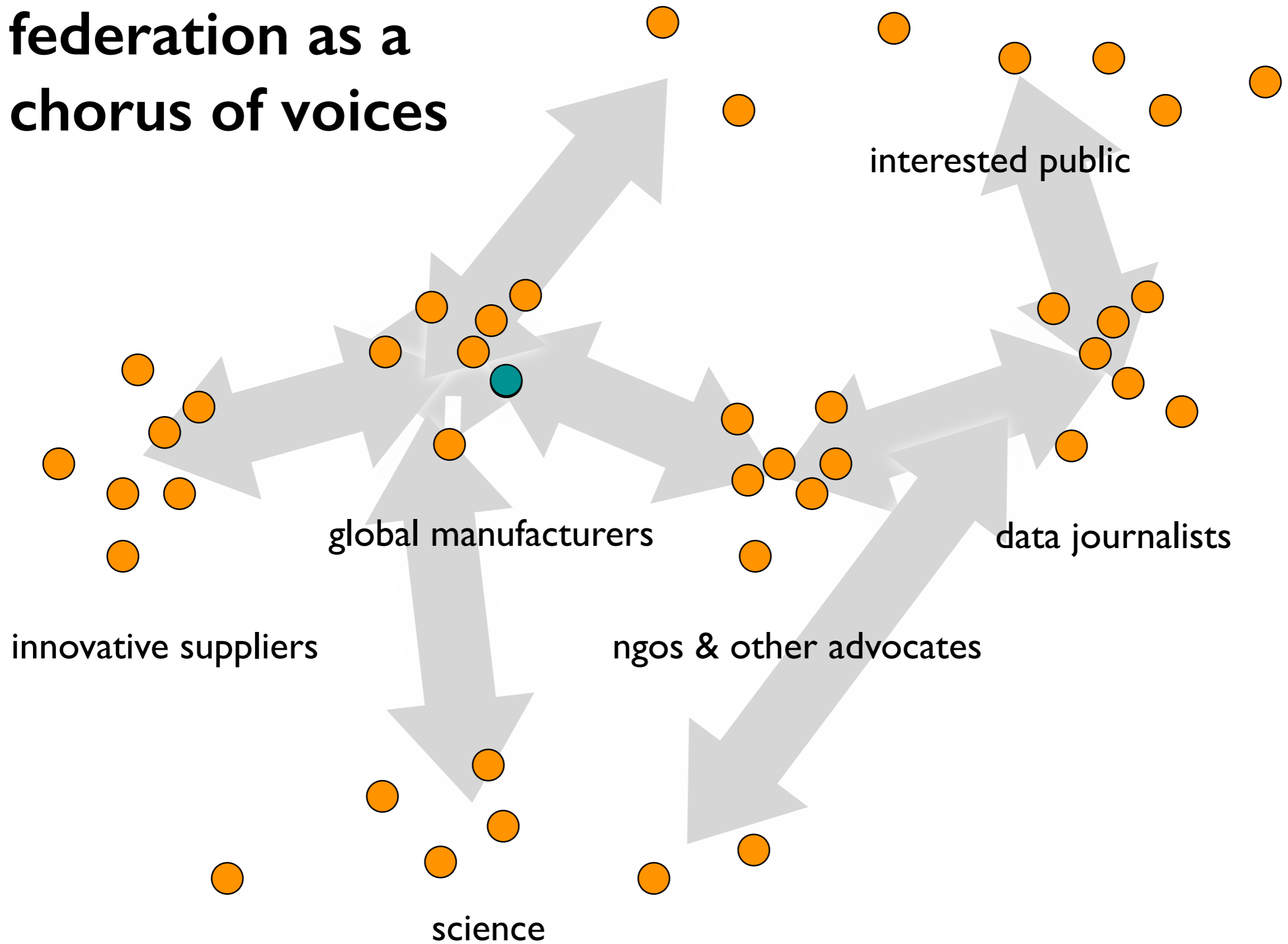
Yellow arrows point to various elements on the page:

- origin** points to the browser tab "NewRelic".
- twins** points to the "Song of Code and Content" header.
- title** points to the "Ward Cunningham" header.
- site** points to the "NewRelic" header.
- story** points to the "Song of Code and Content" text.
- items** points to the "Ward Cunningham" text.
- journal** points to the "Vision" section.
- actions** points to the "See Related Sites" section.
- search** points to the search bar.
- neighbors** points to the "NewRelic" text.

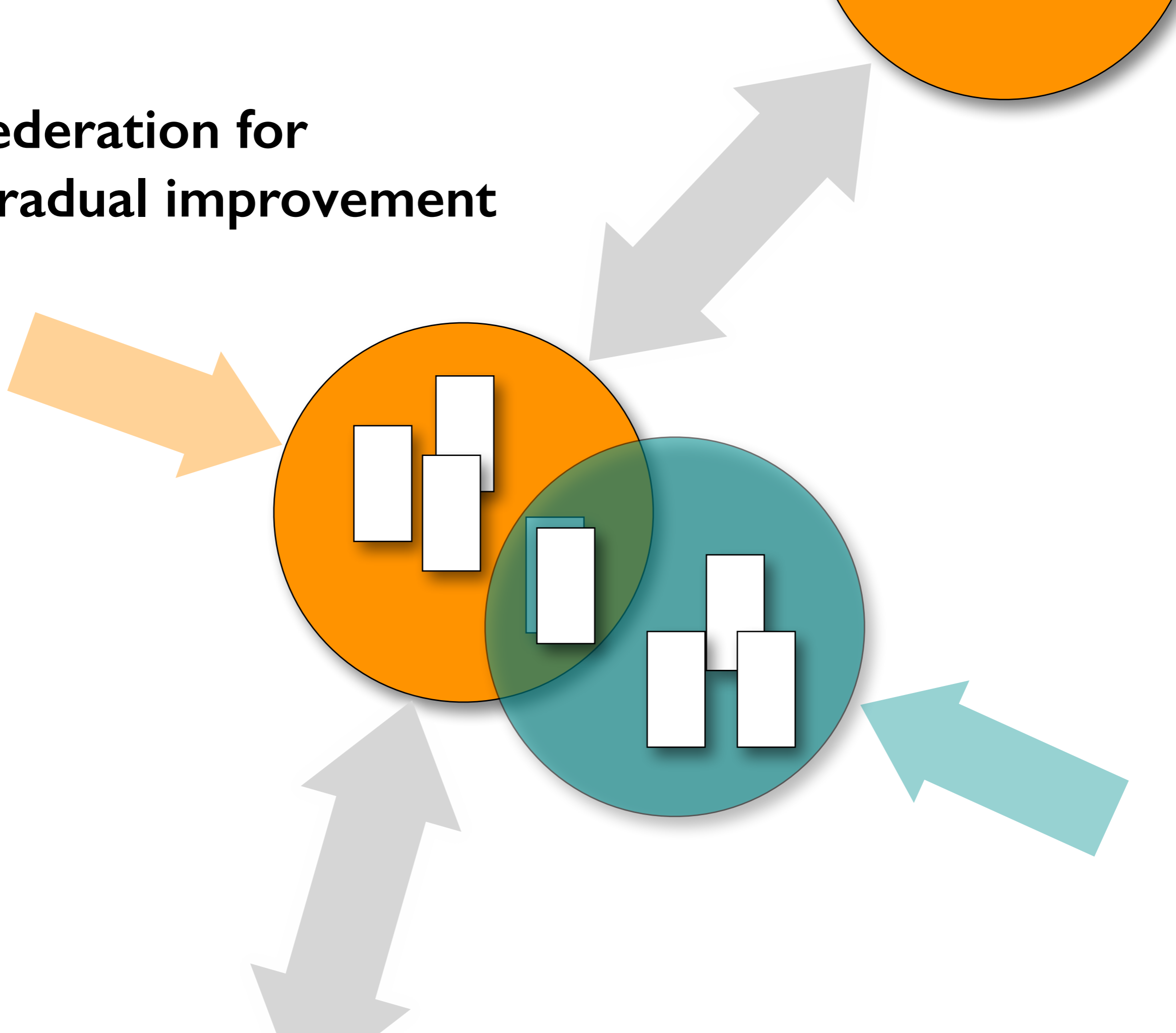
demo

splash.fed.wiki.org

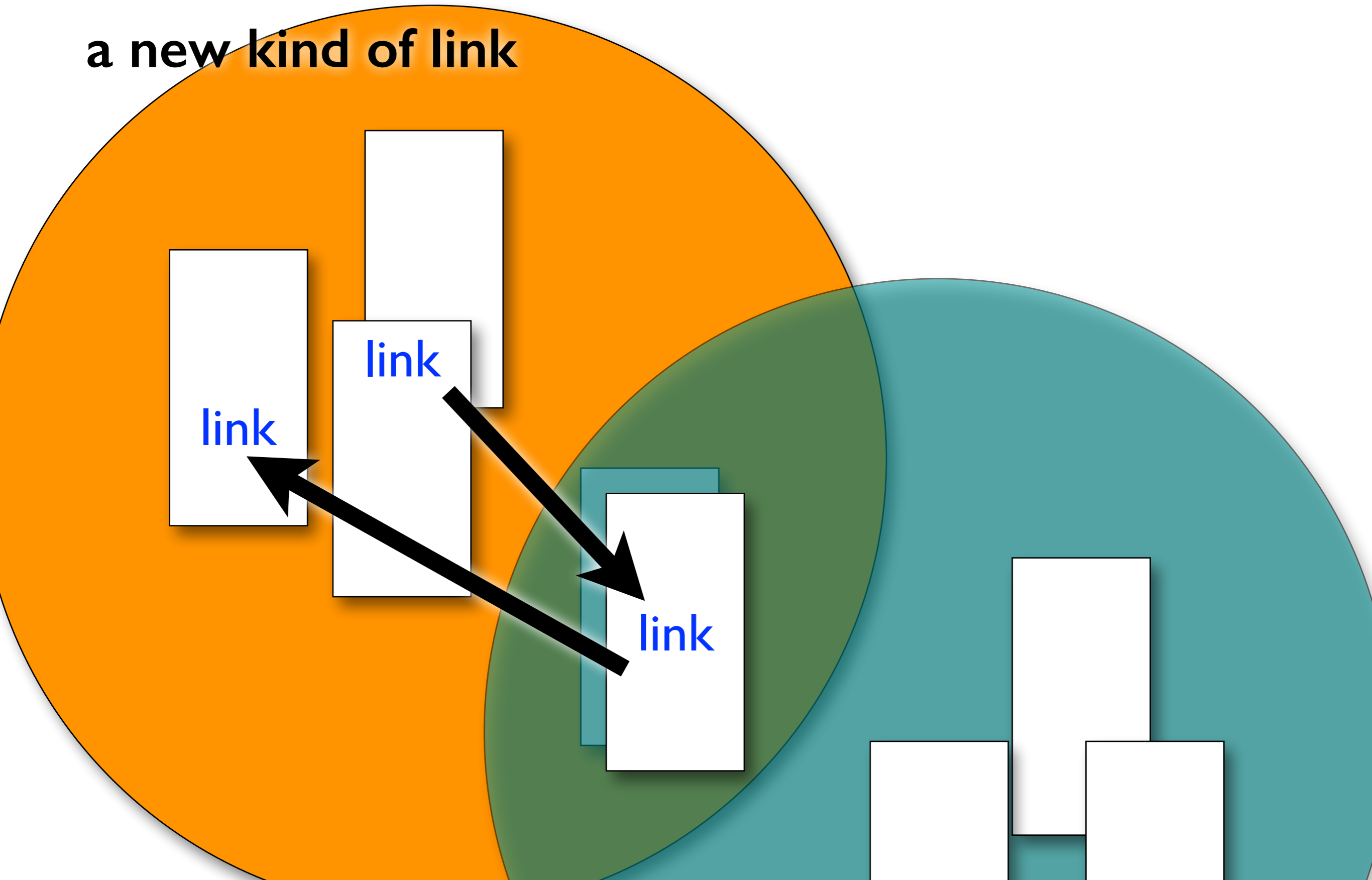
federation as a chorus of voices



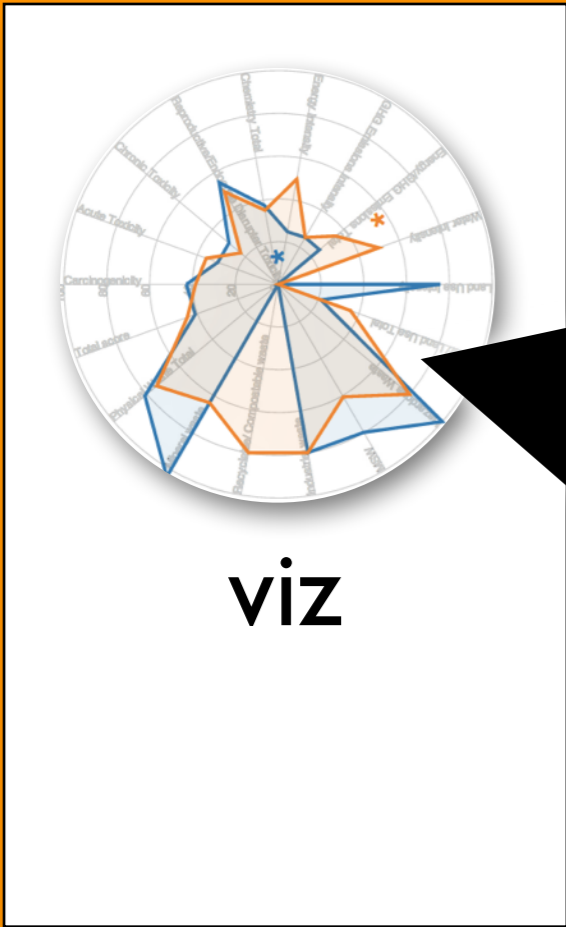
**federation for
gradual improvement**



**federation with
a new kind of link**

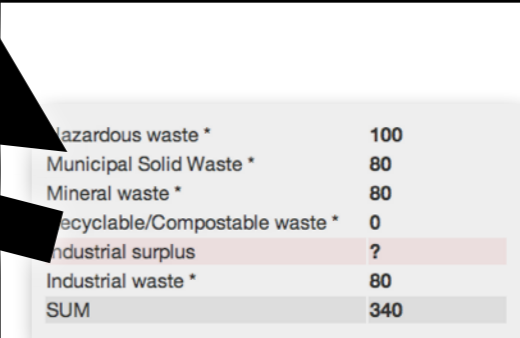


federation as platform for calculation



calc

Hazardous waste *	100
Municipal Solid Waste *	80
Mineral waste *	80
Recyclable/Compostable waste *	0
Industrial surplus	?
Industrial waste *	80
SUM	340



Design Principles of Federated Wiki

With my first wiki I became comfortable with ideas duplicated under different names. I found, if they were important ideas, they would eventually find each other.

Emergent Value in Proliferation

I recognized early that wiki favors the writer at the expense of the reader who must traverse pages repeatedly to maintain any sense of context. Now I seek simplifications that favor writing even more.

High Awareness in Foraging

Mutable Linear Form

With a new medium I can support traditional needs new ways. My solutions may seem awkward. But they embody decisions based on a lifetime of reflection.

Authority from Trail Climbing

Locality of Voice and Jargon

Expectation of Service

demo

splash.fed.wiki.org