

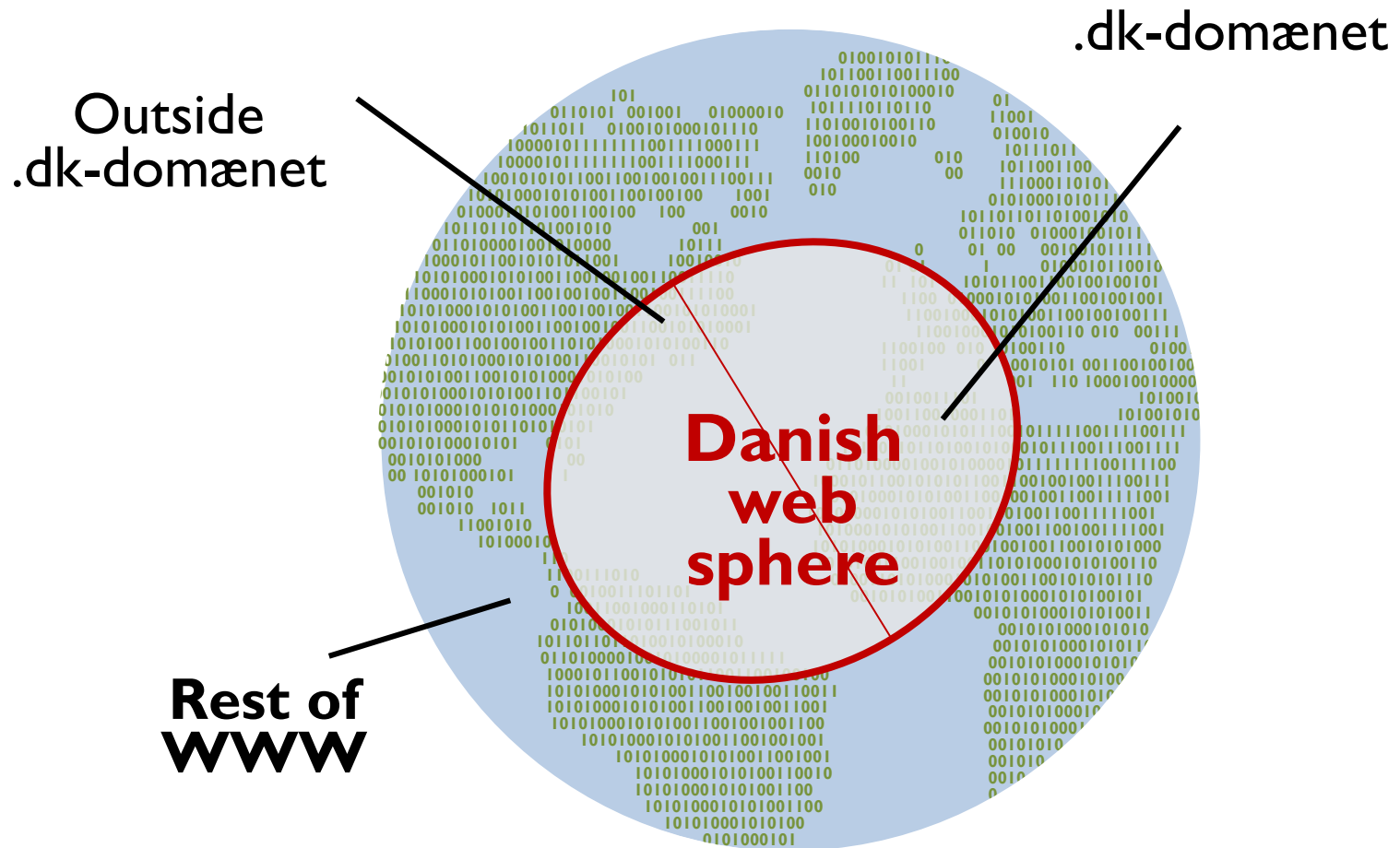


Looking Back, Looking Forward: New Strategies for Coverage of a National Web Sphere



By Eld Zierau
The Royal Library of Denmark
Ditte Laursen
The State and University Library of Denmark

The Web Sphere

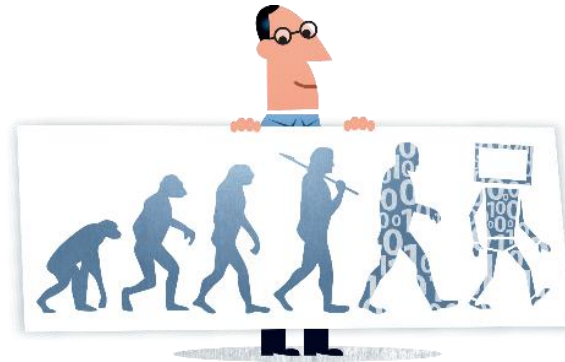


increasing amount of national webpages moves to generic Top Level Domains like .com or .org

Contents



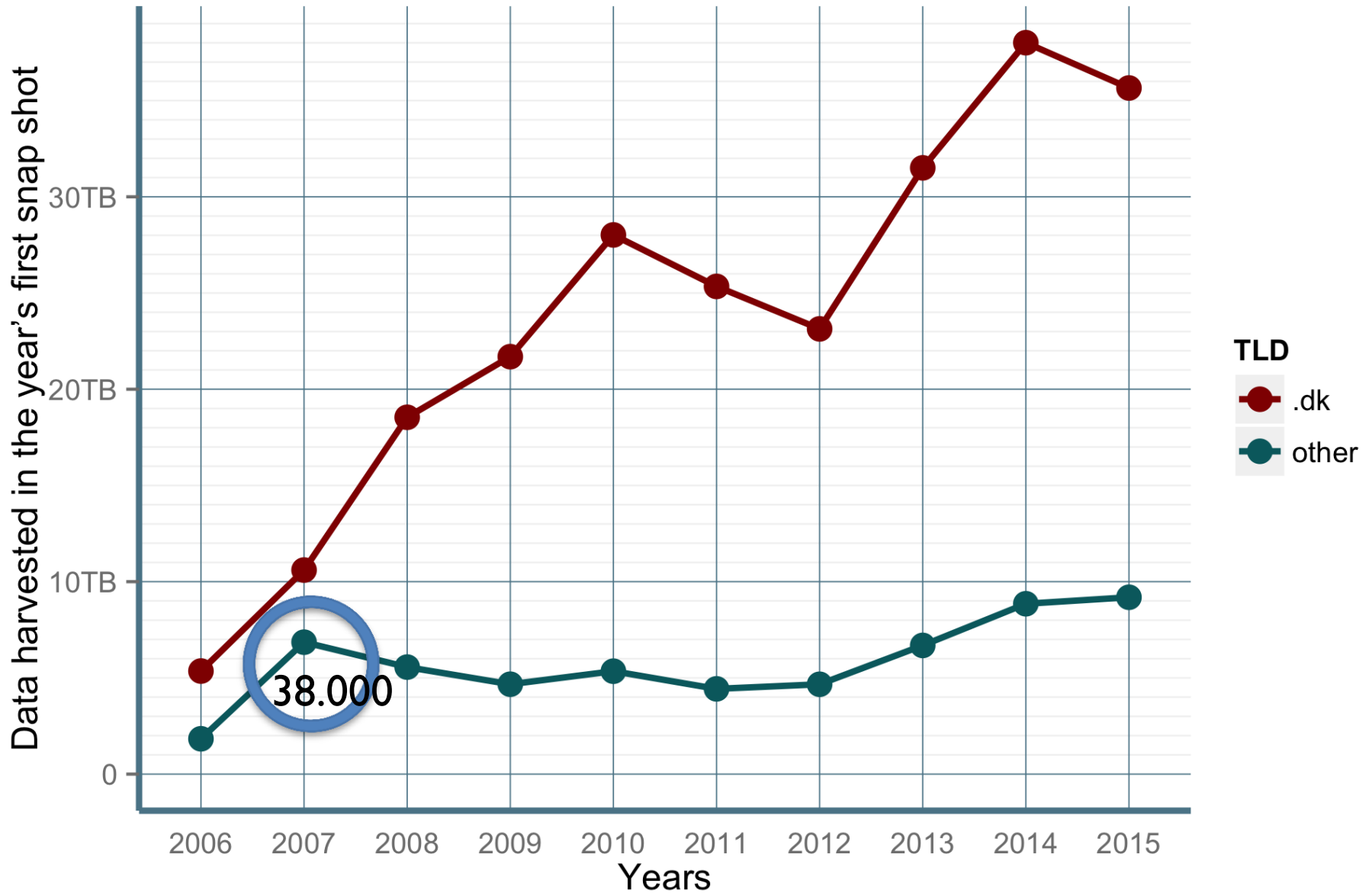
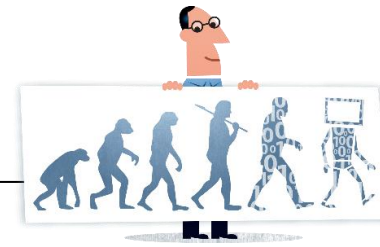
- A bit of history



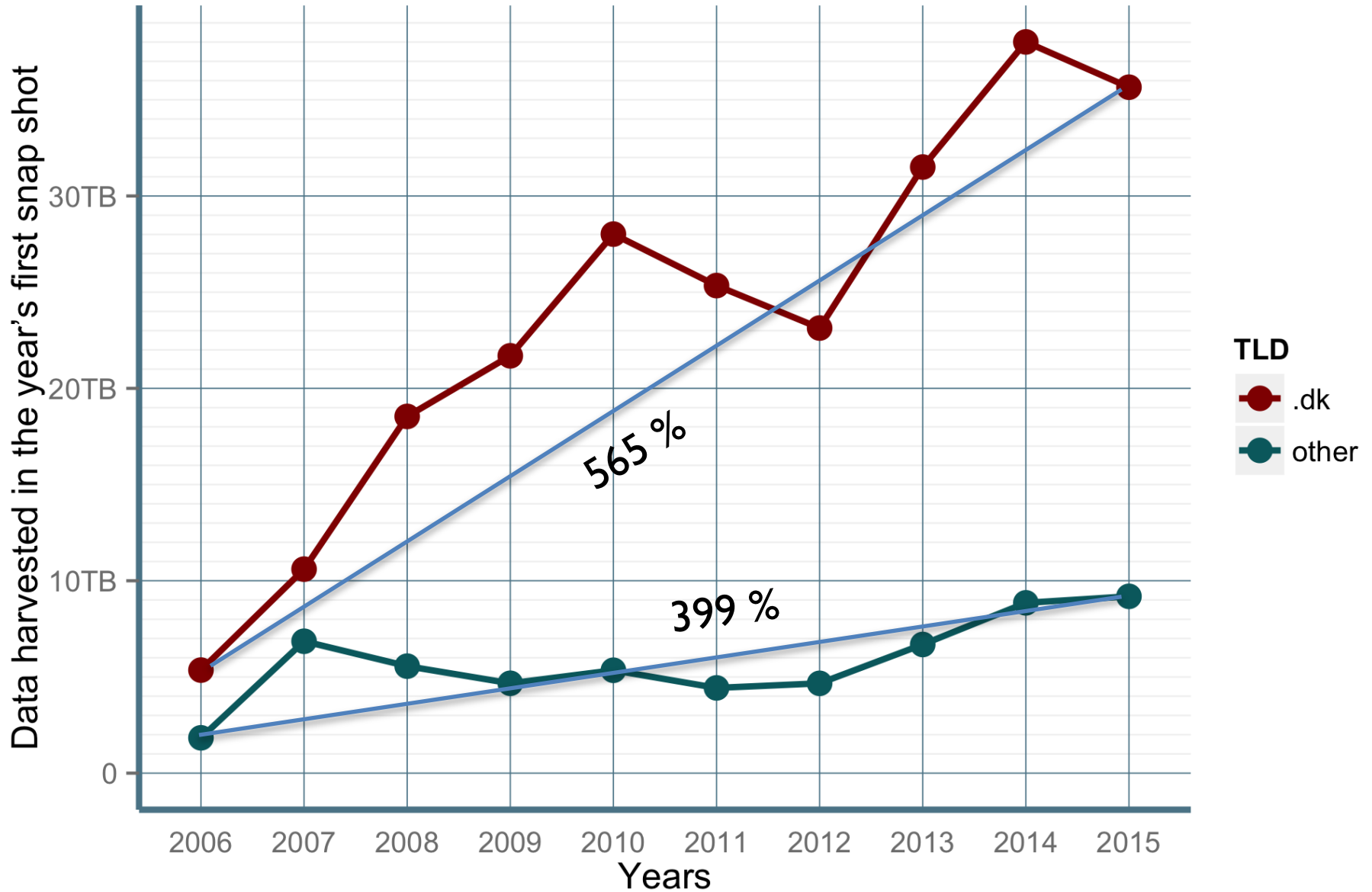
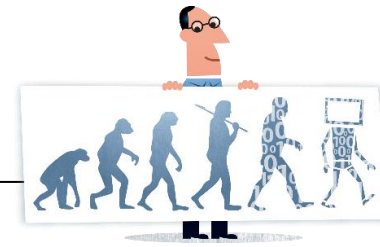
- The implementation



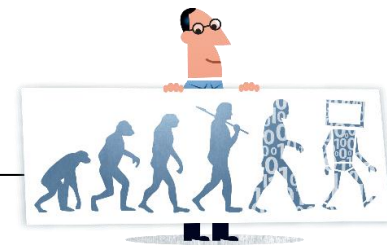
.dk and non .dk



.dk and non .dk



Top 10 biggest domains



2006

tv2.dk

dbu.dk

miniclip.com

microsoft.com

inforce.dk

radioorbit.dk

omegn.dk

karstenskj.dk

um.dk

pornaccess.com

2015

snatch.dk

cloudfront.net

pinterest.com

twitter.com

google.com

vimeocdn.com

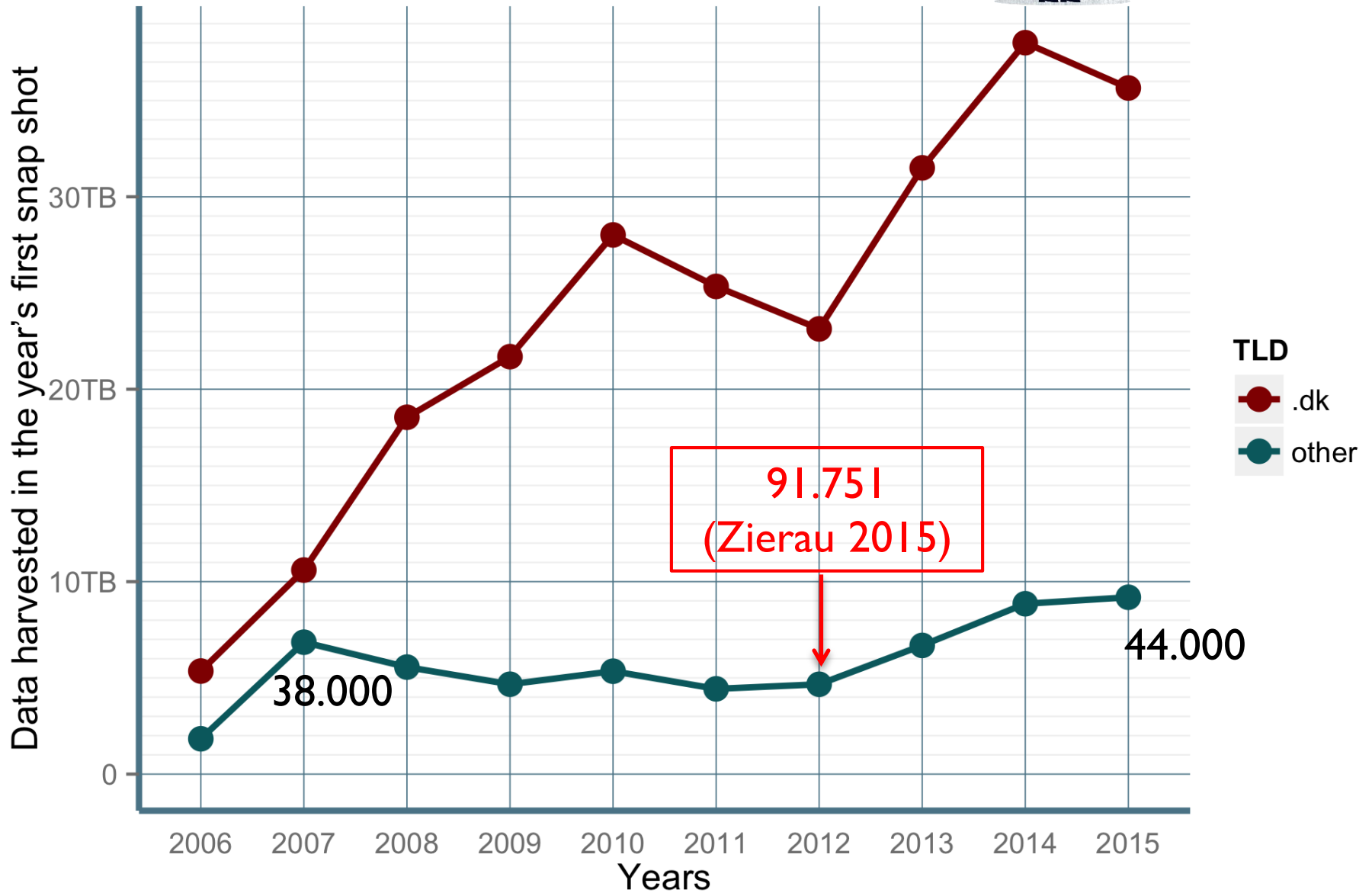
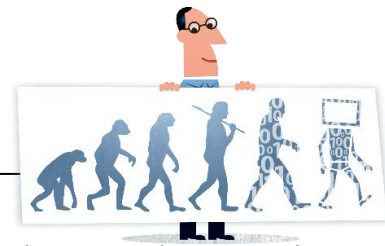
googleusercontent.com

blogspot.com

amazonaws.com

dmi.dk

.dk and non .dk



WebDanica project Tested Different Methods

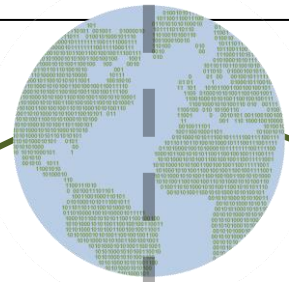


Internet Archive method

IA-data
World wide collection 2012
Wide0005

NetArchive Link method

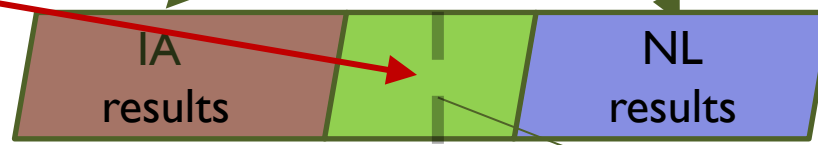
NL-data
Outlinks from Danish broad
crawl 2012



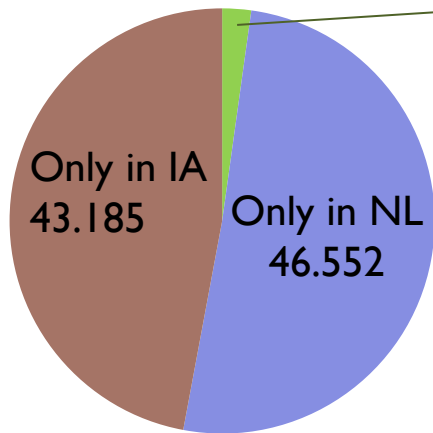
Find Danish
webpages



Very few
common
results

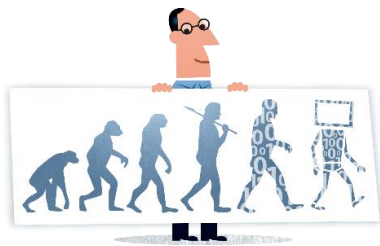


Host: 1. part of URL
<http://abc.xx/def/ghi/...>



Both in IA and NAL
2.014

General implementation
covering more methods



Implementation – what to do

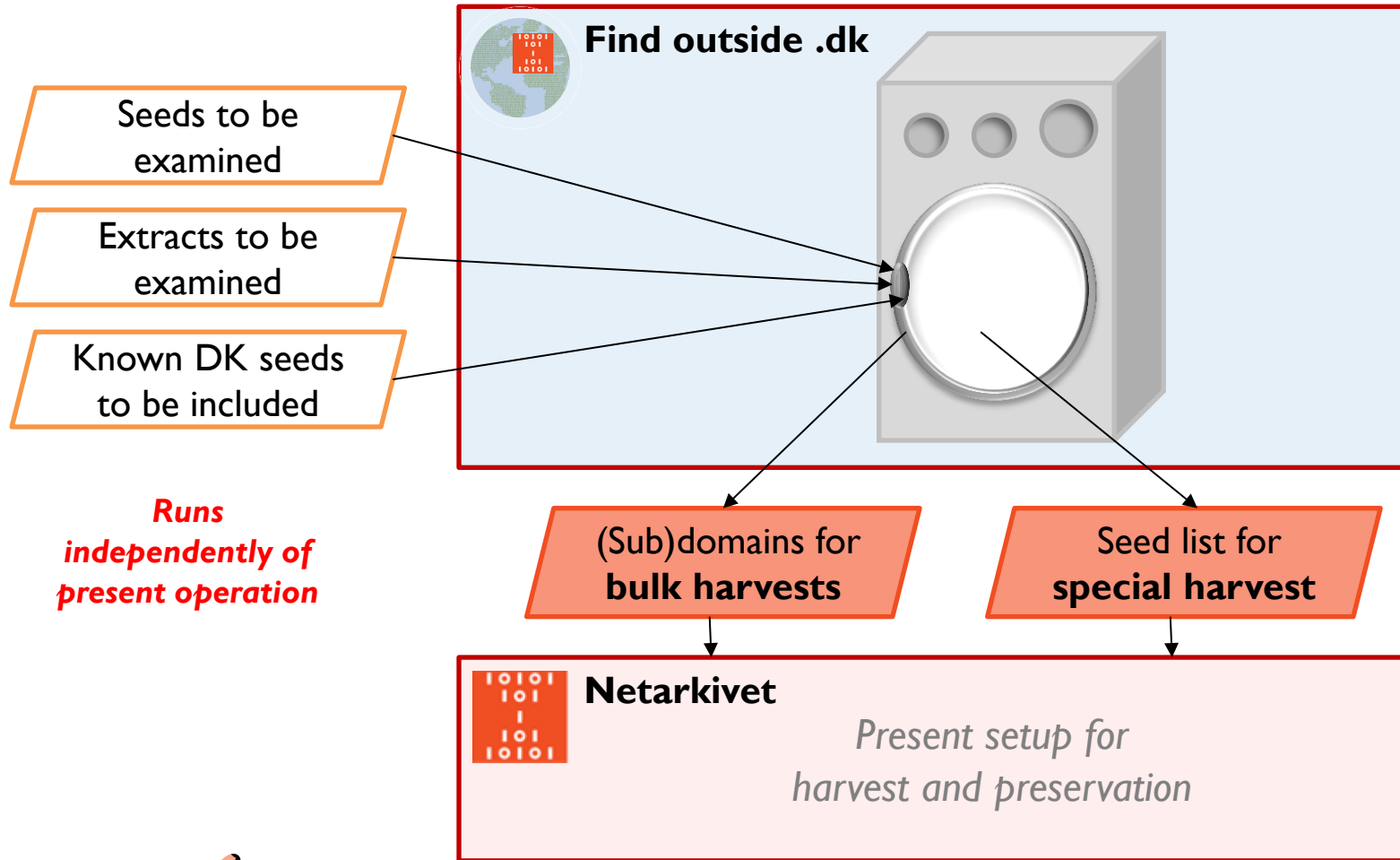


How to implement?

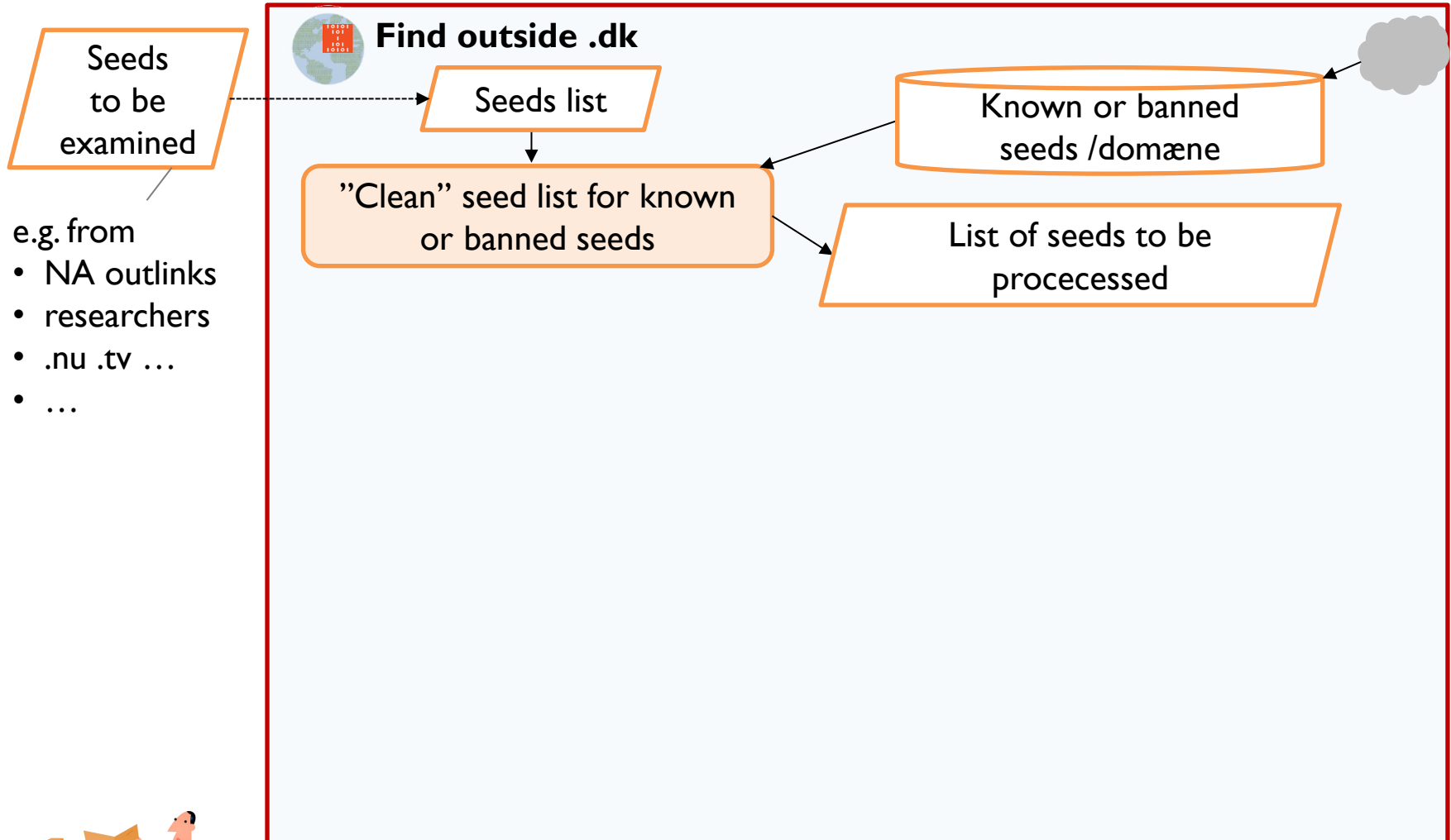
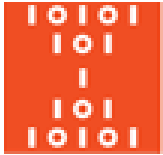
- Automate whenever possible
- Support web curators work
- Support several methods
 - Similar to NL (based on seed)
 - Similar to IA (based on existing extracts)
 - Known Danish outside .dk seeds



Implementation – the seed washer



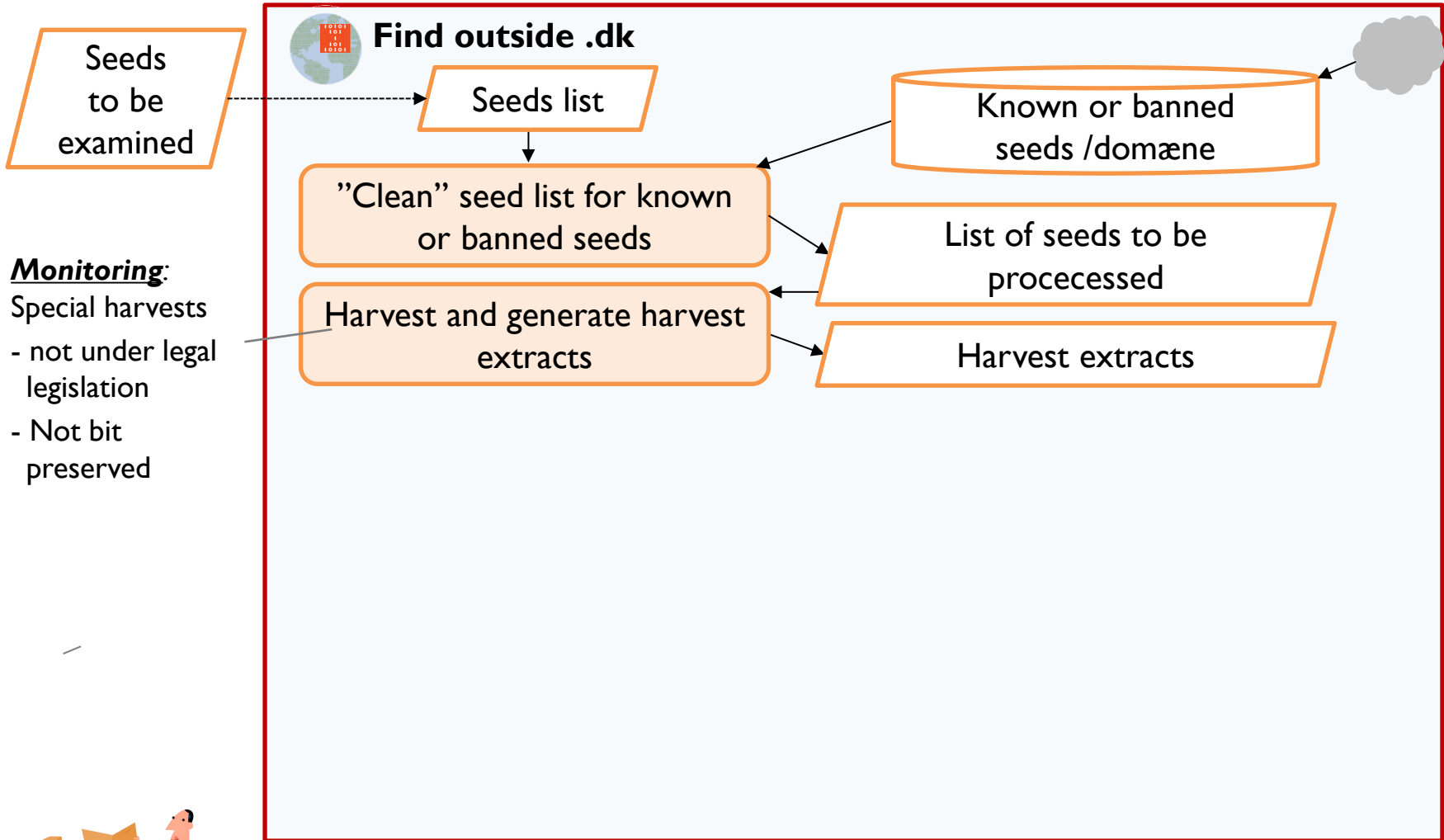
Seed washer – Seeds method



- e.g. from
- NA outlinks
 - researchers
 - .nu .tv ...
 - ...



Seed washer – Seeds method

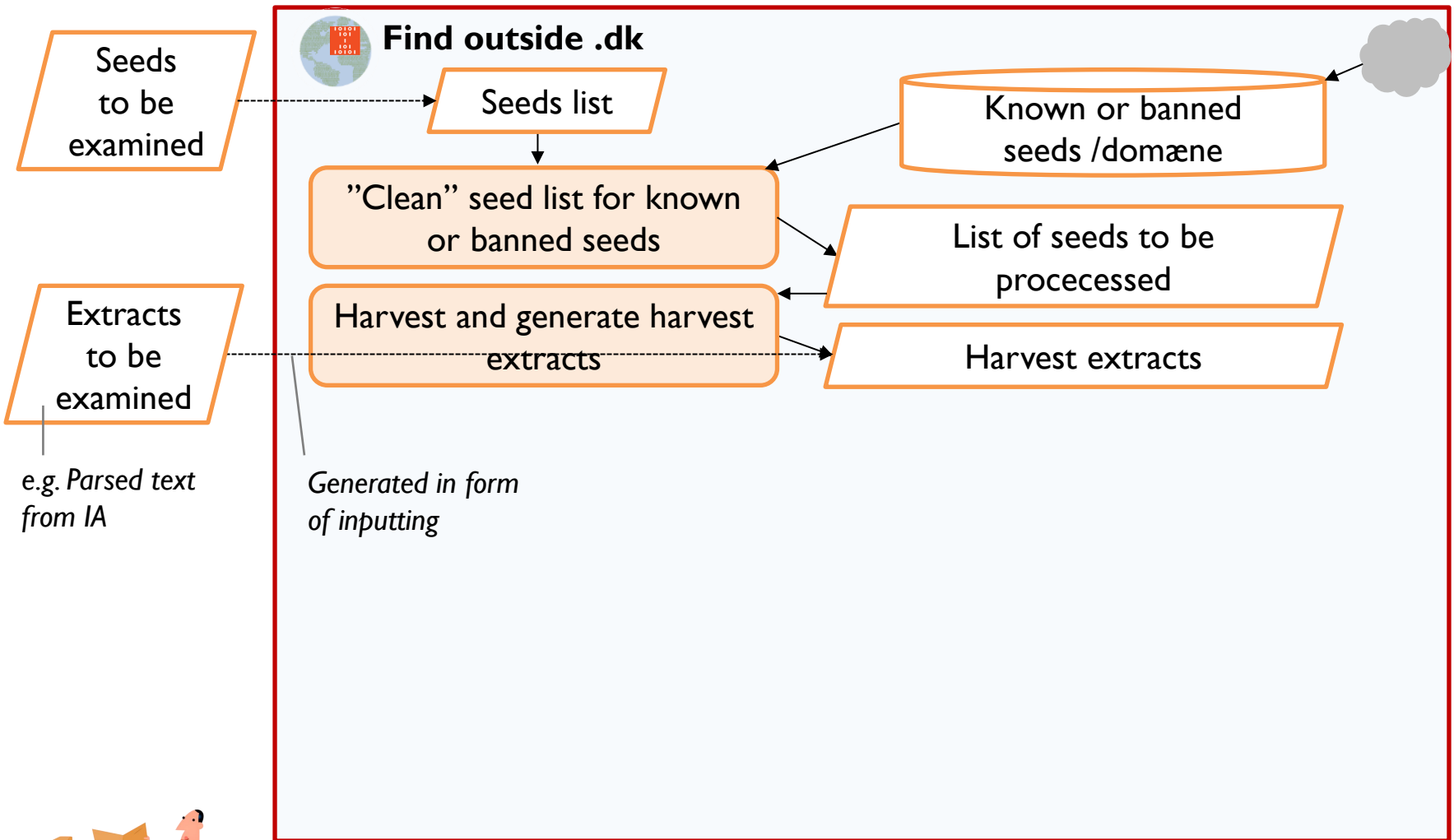
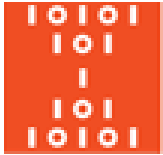


Monitoring:

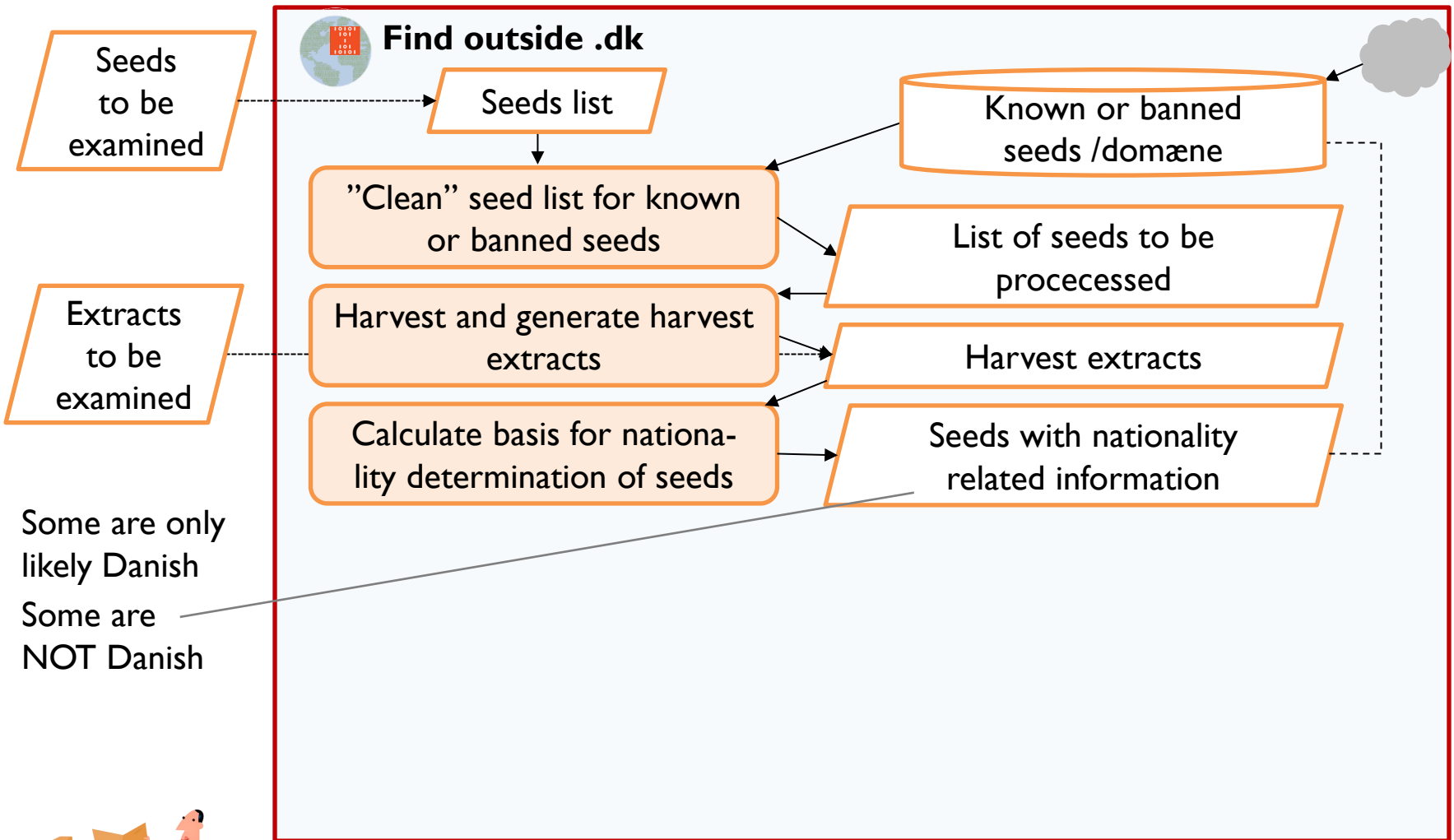
- Special harvests
- not under legal legislation
- Not bit preserved



Seed washer – Seeds method



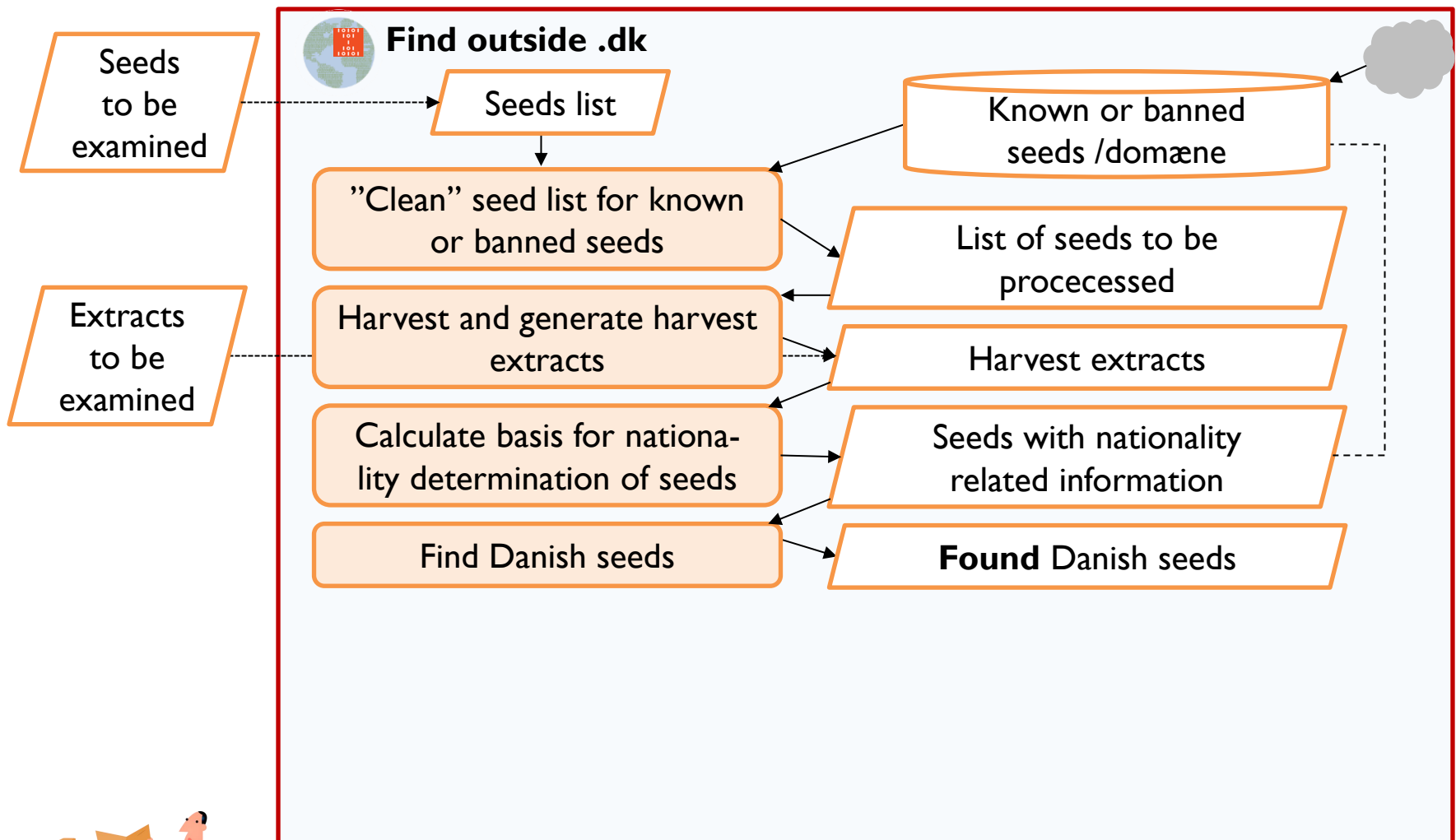
Seed washer – Seeds method



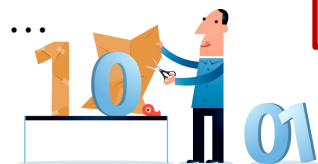
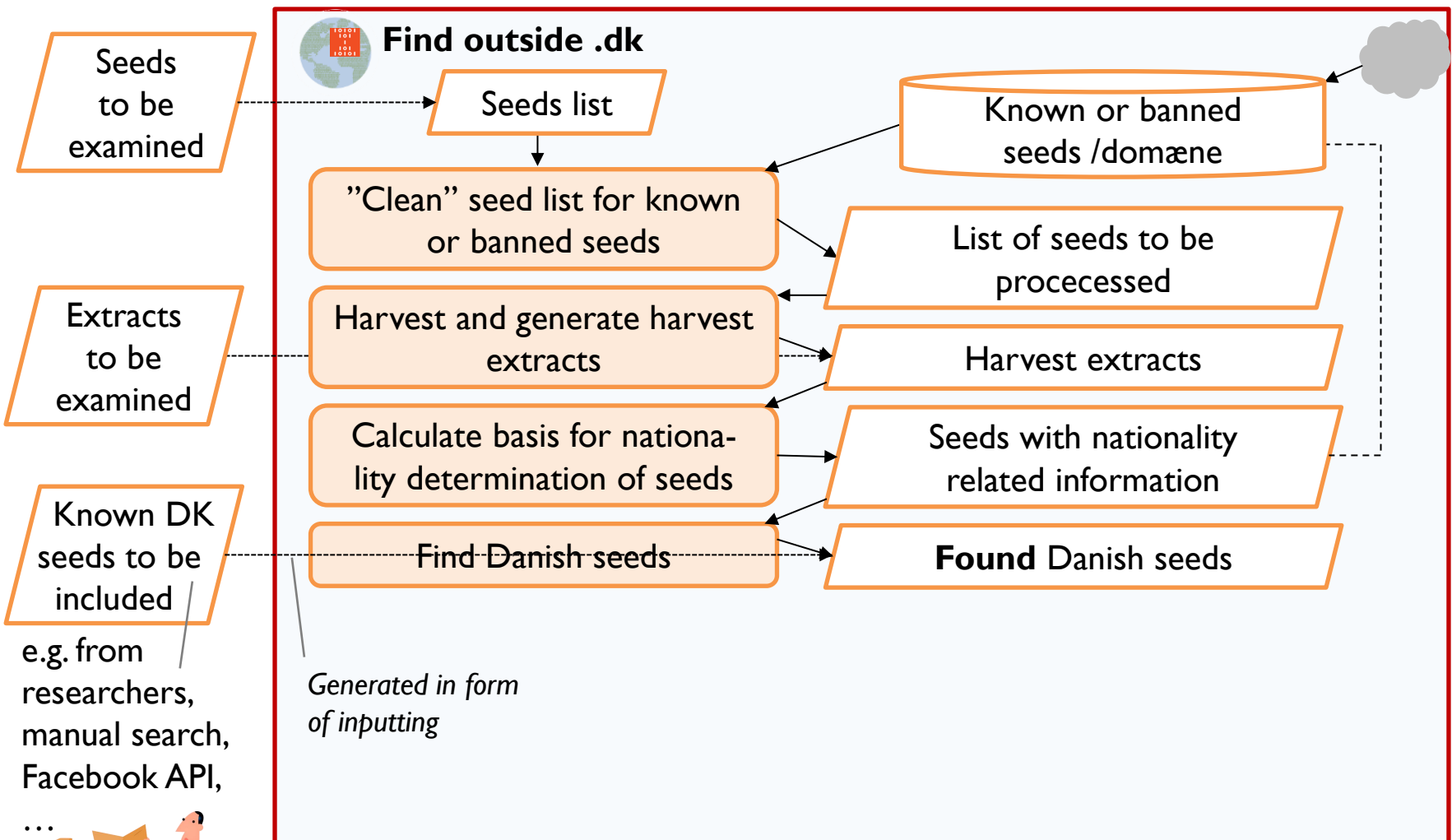
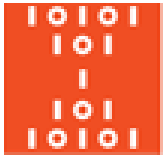
Some are only likely Danish
Some are NOT Danish



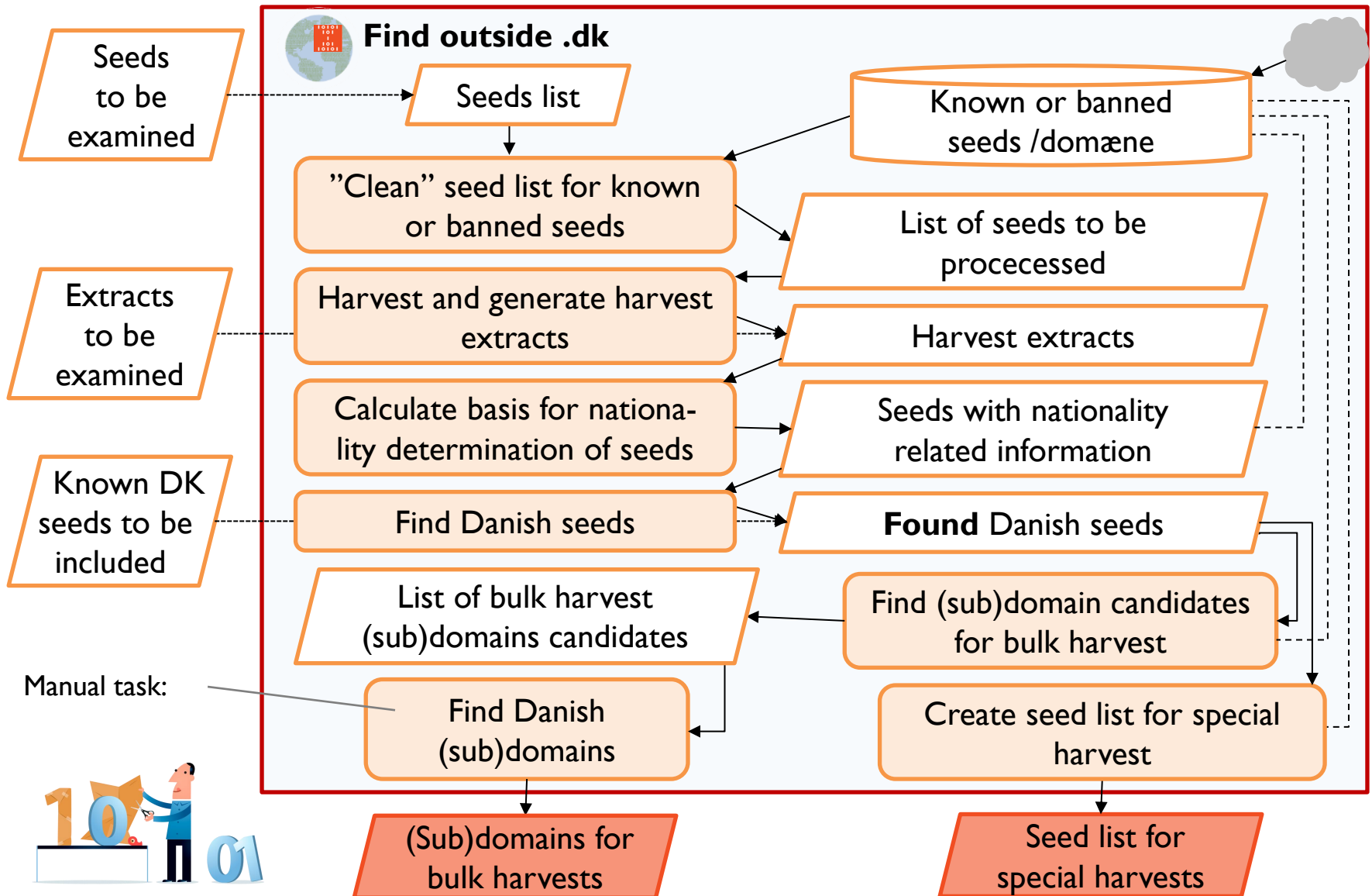
Seed washer – Seeds method



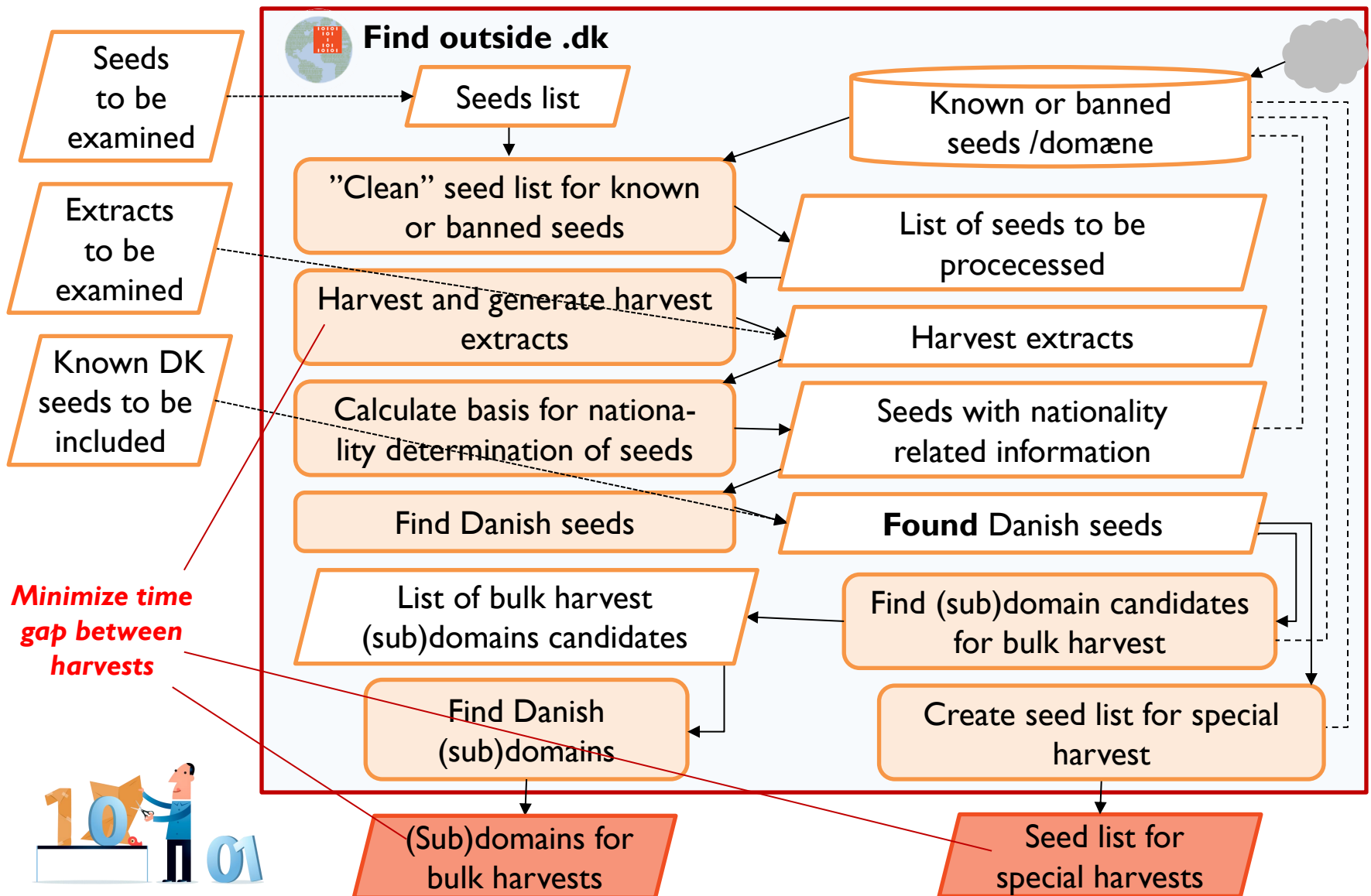
Seed washer – Seeds method



Seed washer – Seeds method



Seed washer – Seeds method



Assumptions



- It is possible to minimize the harvest gap sufficiently
- There are no legal issues in harvesting outside the .dk top level domain
- It is acceptable
 - That we lose material
The only included seeds, are the ones where there are about 90% probability of being relevant for Danish heritage
 - That we include some noise:
About 10% of the included seeds are **not** relevant for Danish heritage



The way forward ...



- Implementations in 2016 – just started



- Expects to evaluate and adjust after 2-3 years

Questions



Images of this style from digitalbevaring.dk